



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 07-18-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 3
Region PERMIAN		District GARDEN CITY - TX CZ	License		Well Supervisor RAYMOND DUNLAP / GLENN WILLIAMS		Engineer / Geologist ROY ALAN DE NAPOLI	
Field SPRABERRY		State		County	Event Code LCM	Event Type LAND-ORIG COMP		Objective
RIG Name PATTERSON 173 /			RIG PHONE NO 432-242-3877		RIG Fax No		Tool Pusher JACKY BROWN	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 488,985		Daily Costs 49,958	Cumulative Cost 538,943	AFE Remaining 4,425,057		AFE % 10.86
Status		RIGGING DOWN BACK YARD						
Comment Summary		PERFORM CMT JOB AS PER PROG. R/D CREST CMT EQUIPMENT. NIPPLE DOWN AND INSTALL WELL HEAD AND RELEASE RIG @ 1730 HRS. RIG DOWN TOP DRIVE AND SEND IN FOR ANNUAL INSPECTION. BEGIN RIGGING DOWN FOR RIG MOVE.						
24 HR Forecast		RIG DOWN AND BEGON RIG MOVE TO ZPZ FEE 1055 #1H						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	03:30AM	3.50	SWITCH LINES, TEST T/5000 PSI, PUMP 80 BBLS 11.0 PPG WEIGHTED GTX SPACER, 215 BBLS - 500 SX OF 11.9 PPG CLASS H 50/50 POZ W/ADDITIVES OF LEAD CMT FOLLOWED BY 456 BBLS-1600 SX OF 13.2 PPG CLASS H PREMIUM W/ADDITIVES OF TAIL CMT, SHUT DOWN, WASH LINES, DROP TOP PLUG & DISP.CEMENT W/ 343 BBLS OF BIOCIDIC TREATED H2O, BUMPED PLUG 500 OVER @ 03:33 HRS ON 7/18/14 (2700 FCP @ 4 BPM) 60 BBLS SPACER BACK TO SURFACE.					
03:30AM	04:00AM	0.50	RIG DOWN CEMENTERS					
04:00AM	11:00AM	7.00	NIPPLE DOWN FLOWLINE & TURNBUCKLES & READY BOP FOR N/D R/U STACK WINCHES, HANG BOPE SET SLIPS WITH FULL TENTION CUT OFF CSG AND LAY OUT BOP STACK					
11:00AM	05:30PM	6.50	R/D TOP DRIVE , LAYDOWN TOP DRIVE, AND TRACK WITH CRANE, RIG DOWN RIG FLOOR AND BRIDLE UP CLEANING ON MUD PITS. RELEASE RIG @ 1730 HRS.					
05:30PM	12:00AM	6.50	RIG DOWN SURVIVE LOOPS FINISH RIG FLOOR, RIG DOWN MUD PUMPS, PREPAIR DERRICK TO LAY DOWN , RIG DOWN BOTTOM DOG HOUSE, C-CAN, HPU, VFD HOUSE.					
Remarks								
0000-0600 CONTINUE RIGGING DOWN AND PREPAIRING FOR RIG MOVE . RIG DOWN ALL ELECTRICAL LINES TO MUD PITS MUD PUMPS AND PREMIX SYSTEM.								
Directional Information								
Initial Deviation 7,608	Max Dev 91.4deg at 14,356			Max Dogleg 16.7 deg at 8,205				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	
Safety Drills								
Rams 3,000.00 (psi)	Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)	Last BOP Test 6/25/2014	Next BOP Test 7/9/2014			
BULKS								
Product				QTY				
SPRAYBERRY MUD				0.0				
DIESEL, MUD				72.0				
DIESEL, RIG FUEL				1,677.0				
OIL BASE MUD				393.0				



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	90,561	0	90,561	19,439	
70009	COMPANY LABOR	20,000	0	0	0	20,000	
70017	CONTRACT LABOR			3,280			NIPPLE DOWN CREW
70017	CONTRACT LABOR			3,854			INSTALL WELL HEAD
70017	CONTRACT LABOR	300,000	30,751	7,134	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	23,040	23,040	46,080	269,920	PATTERSON 173
70021	CONTRACT SUPERVISION			1,650			TERRY MOORE
70021	CONTRACT SUPERVISION			1,650			RAYMOND DUNLAP
70021	CONTRACT SUPERVISION	33,000	3,300	3,300	6,600	26,400	
70022	DIRECTIONAL DRILLING		0	0	0		MS DAY RATE
70025	DRILLING FLUIDS		900	961	1,861		MUD COST
70031	EQUIPMENT RENTAL			150			SUPER VAC
70031	EQUIPMENT RENTAL			225			KATCH KAN
70031	EQUIPMENT RENTAL			125			SLOP PUMP
70031	EQUIPMENT RENTAL			0			SLIDER DAILY RENTAL
70031	EQUIPMENT RENTAL			150			POWER WASHER
70031	EQUIPMENT RENTAL			90			TRASH PUMP
70031	EQUIPMENT RENTAL			50			LIGHT TOWER FOR FRACS
70031	EQUIPMENT RENTAL			190			INTERNET& INTERCOMS MANGNUM
70031	EQUIPMENT RENTAL			20			TRASH TRAILER
70031	EQUIPMENT RENTAL			150			OBM TRANSFER PUMP
70031	EQUIPMENT RENTAL			55			SCREEN CLEANER
70031	EQUIPMENT RENTAL			165			3 SLOP FRAC'S
70031	EQUIPMENT RENTAL			154			RENTAL SPOOLS
70031	EQUIPMENT RENTAL			90			GENERATOR FOR HOUSES
70031	EQUIPMENT RENTAL			400			400 BBL PRE MIX
70031	EQUIPMENT RENTAL			590			PASON EDR/AUTO DRILLER
70031	EQUIPMENT RENTAL			70			2 FRAC TANKS FOR FRESH WATER
70031	EQUIPMENT RENTAL			455			OBM FRAC TANKS & PUMP
70031	EQUIPMENT RENTAL			761			CAMP HOUSING/WATER/SEPTIC/INTE
70031	EQUIPMENT RENTAL			125			H2S EQUIPMENT
70031	EQUIPMENT RENTAL			150			ROTATING HEAD
70031	EQUIPMENT RENTAL	350,000	4,165	4,165	8,330	341,670	
70034	FORMATION STIMULATION	2,400,000	0	0	0	2,400,000	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		MUD LOGGERS
70049	LOGGING	215,000	0	0	0	215,000	
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70074	TRUCKING AND HAULING			483			DELIVER NIGHT CAP
70074	TRUCKING AND HAULING			1,425			POLE TRUCK TO LAY OUT BOP
70074	TRUCKING AND HAULING	100,000	0	1,908	1,908	98,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	0	0	0	300,000	
70187	PUMP TRUCK SERVICE			9,450			SUPE SUCKER
Total Intangible Cost		4,479,000	154,248	49,958	204,206	4,274,794	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	



Daily Land - Orig Comp Report

Total:	4,964,000	488,985	49,958	538,943	4,425,057
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## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-01-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 4		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor CHARLES GRAVES		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 540,979		Daily Costs 14,017		Cumulative Cost 554,997		AFE Remaining 4,409,003		AFE % 11.18
Status WOF		Comment Summary RIH W 4.625 GR & JB TO 8112', POOH W/ GR & JB. PU RIH W CCL, GAMMA RAY, RCBL to 8176' LOGGED TO SURFACE W/ 2000 PSI. ESTIMATED TOC 410'. FINAL REPORT								
24 HR Forecast WOF										
24 HR Operational Comments										
From 08:00AM	To 02:30PM	Duration 6.50	Operation Description RIH W 4.625 GR & JB TO 8112', POOH W/ GR & JB. PU RIH W CCL, GAMMA RAY, RCBL to 8176' LOGGED TO SURFACE W/ 2000 PSI. ESTIMATED TOC 410'. FINAL REPORT							
Directional Information										
Initial Deviation 7,608		Max Dev 91.4deg at 14,356			Max Dogleg 16.7 deg at 8,205					
Casing / Tubing Information										
Description		Size	Weight	Grade		Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE		13.38	48	H-40		535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1		9.63	40	J-55, N-80		7,450.00	1,440		4,801.68	
PRODUCTION 1		5.50	20	HCP-110, 13CR-110 (XH)		15,478.69			5,365.59	
Safety Drills										
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)		Last BOP Test 6/25/2014		Next BOP Test 7/9/2014		
BULKS										
Product				QTY						
SPRAYBERRY MUD				0.0						
DIESEL, MUD				0.0						
DIESEL, RIG FUEL				72.0						
OIL BASE MUD				1,677.0						
				393.0						



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	5,036	0	5,036	14,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION	33,000	6,600	1,000	7,600	25,400	Charles Graves
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL	350,000	8,330	0	8,330	341,670	
70034	FORMATION STIMULATION	2,400,000	0	0	0	2,400,000	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	0	12,367	12,367	202,633	renegade wireline
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70074	TRUCKING AND HAULING	100,000	1,908	0	1,908	98,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	0	0	0	300,000	
70187	PUMP TRUCK SERVICE		9,450	650	10,100		geronimo
Total Intangible Cost		4,479,000	206,242	14,017	220,260	4,258,740	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	540,979	14,017	554,997	4,409,003	



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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-12-2014		
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 5	
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor CHARLES GRAVES		Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:							
AFE Costs 4,964,000		Previous Day Cum 554,997		Daily Costs 1,000		Cumulative Cost 555,997		AFE Remaining 4,408,003	AFE % 11.20
Status WODL		Comment Summary RU PUMPCO, LOAD BS TO 2K PSI, TEST CSG @ 7K FOR 30 MIN, OPEN ORIO @ 8200 PSI, PUMPED 20 BBLS TW @ 20 BPM 6750 #. ISIP: 4500, 5 MIN: 1580, 10 MIN: 1570 PSI, 15 MIN 1560 PSI. PUMPED 48 BBLS 15 % HCL FLUSHED W/ 345 BBLS TW. SD DUE TO PUMP FAILURE.							
24 HR Forecast		PERFORATE							
24 HR Operational Comments									
From 06:00AM	To 05:00PM	Duration 11.00	Operation Description RU PUMPCO, LOAD BS TO 2000 PSI, TEST CSG @ 4K, 5K, & 6K FOR 1 MIN. TEST CSG @ 7K FOR 30 MIN, OPEN ORIO @ 8200 PSI, PUMPED 20 BBLS TW @ 20 BPM W/ 6750 PSI. ISIP: 4500, 5 MIN: 1580, 10 MIN: 1570 PSI, 15 MIN 1560 PSI. PUMPED 48 BBLS 15 % HCL FLUSHED W/ 170 BBLS TW, ACID ON SPOT, SD DUE TO PUMP FAILURE, DECISION MADE TO PUT ACID AWAY. PUMPED 175 BBLS TW. SECURED WELL. SDON						
Directional Information									
Initial Deviation 7,608		Max Dev 91.4deg at 14,356			Max Dogleg 16.7 deg at 8,205				
Casing / Tubing Information									
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method	
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface	
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68		
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59		
Safety Drills									
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)		Last BOP Test 6/25/2014		Next BOP Test 7/9/2014	
BULKS									
Product				QTY					
SPRAYBERRY MUD				0.0					
DIESEL, MUD				0.0					
DIESEL, RIG FUEL				72.0					
OIL BASE MUD				1,677.0					
				393.0					



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	5,036	1,000	6,036	13,964	CHARLES GRAVES
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION	33,000	7,600	0	7,600	25,400	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL	350,000	8,330	0	8,330	341,670	
70034	FORMATION STIMULATION	2,400,000	0	0	0	2,400,000	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	12,367	0	12,367	202,633	
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70074	TRUCKING AND HAULING	100,000	1,908	0	1,908	98,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	0	0	0	300,000	
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	220,260	1,000	221,260	4,257,740	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	554,997	1,000	555,997	4,408,003	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-13-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 6		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor CHARLES GRAVES		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 555,997		Daily Costs 43,500		Cumulative Cost 599,497		AFE Remaining 4,364,503		AFE % 12.08
Status WOF		Comment Summary RIH W/ W/L, BROUGHT PUMPS ONLINE, PUMPED GUNS DOWN, PERFORATED @ 15,358', 15,313', 15,263', 15,213'. LOGGED OOH TO MARKER JT, PUMPED 50 BBLS TW @ 16 BPM. ISIP: 3200 PSI RDMO, FINAL REPORT.								
24 HR Forecast WOF										
24 HR Operational Comments										
From 06:00AM	To 07:00PM	Duration 13.00	Operation Description RU W/L RIH W/ 3-1/8" S3406D RDX GUNS, 6/SPF, 21.6 gm, 0.42" HOLE @ 60 DEGREES PHASING FOR TOTAL OF 48 HOLES. TIED INTO MARKER JT @ 5004'. BROUGHT PUMPS ONLINE PUMPED GUNS DN @ 16 BPM W/ 9500 PSI. PERFORATED @ 15,358', 15,313', 15,263', 15,213'. LOGGED OOH TO MARKER JT. POOH W/ WL & BHA. PUMPED 50 BBLS TW @ 16 BPM, 5800 PSI, ISIP: 3200 PSI. RDMO, FINAL REPORT							
Directional Information										
Initial Deviation 7,608		Max Dev 91.4deg at 14,356			Max Dogleg 16.7 deg at 8,205					
Casing / Tubing Information										
Description	Size	Weight	Grade		Depth	Sacks	CMT Top	Packer / SN	TOC Method	
SURFACE	13.38	48	H-40		535.03	550	28.60	-2,112.62	Returns at Surface	
INTERMEDIATE 1	9.63	40	J-55, N-80		7,450.00	1,440		4,801.68		
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)		15,478.69			5,365.59		
Safety Drills										
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)		Last BOP Test 6/25/2014		Next BOP Test 7/9/2014		
BULKS										
Product				QTY						
SPRAYBERRY MUD				0.0						
DIESEL, MUD				0.0						
DIESEL, RIG FUEL				72.0						
OIL BASE MUD				1,677.0						
				393.0						





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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	6,036	1,000	7,036	12,964	CHARLES GRAVES
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION	33,000	7,600	0	7,600	25,400	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL	350,000	8,330	0	8,330	341,670	
70034	FORMATION STIMULATION	2,400,000	0	15,500	15,500	2,384,500	PUMP CO
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	12,367	25,000	37,367	177,633	RENEGADE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70074	TRUCKING AND HAULING	100,000	1,908	1,000	2,908	97,092	GERONIMO
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	0	1,000	1,000	299,000	
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	221,260	43,500	264,760	4,214,240	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	555,997	43,500	599,497	4,364,503	



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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-23-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 7
Region PERMIAN		District SE DISTRICT - TX CZ	License	Well Supervisor CHARLES GRAVES / MIKE V, CARLOS R, JESSE , AN			Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 599,497	Daily Costs 6,000	Cumulative Cost 605,497	AFE Remaining 4,358,503		AFE % 12.20	
Comment Summary 24 HR Forecast		MIRU FRAC AND SUPPORT EQUIPMENT MIRU FRAC AND SUPPORT EQUIPMENT						
24 HR Operational Comments								
From 12:00AM	To	Duration	Operation Description MIRU FRAC AND SUPPORT EQUIPMENT					
Directional Information								
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	
Safety Drills								
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)		Last BOP Test 6/25/2014		Next BOP Test 7/9/2014
BULKS								
Product				QTY				
SPRAYBERRY MUD				0.0				
DIESEL, MUD				0.0				
DIESEL, RIG FUEL				72.0				
OIL BASE MUD				1,677.0				
				393.0				



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			MIKE V, CARLOS R
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE
70021	CONTRACT SUPERVISION	33,000	7,600	6,000	13,600	19,400	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL	350,000	8,330	0	8,330	341,670	
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	264,760	6,000	270,760	4,208,240	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	599,497	6,000	605,497	4,358,503	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-24-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 8		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor RICK MADDOX / MIKE V, CARLOS R, JESSE , ANDY C		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 636,854		Daily Costs 19,757		Cumulative Cost 656,611		AFE Remaining 4,307,389		AFE % 13.23
Status MIRU FRAC										
Comment Summary MIRU FRAC										
24 HR Forecast STAGE FRAC										
24 HR Operational Comments										
From	To	Duration	Operation Description							
12:00AM	06:00PM	18.00	MIRU FRAC AND OTHER SERVICES							
06:00PM	08:00PM	2.00	PUMPCO TO PRESURE TEST ALL IRON, DURING PRESSURE TEST PUMCO OVER PRESSURED TO 10.490# CAUSING CONCERN ABOUT THE INTEGRITY OF THE PUMP IRON, PUMPCO ASUMES RESPONSIBILTY OF THE IRON, CONTINUE TEST AND PREP							
08:00PM	09:40PM	1.67	PUMPCO TEST AND HELD, BEGIN RIG UP RESTRAINTS							
09:40PM	10:00PM	0.33	HELD SAFETY MEETING WITH ALL SERVICE COMPANIES AND REVIEWED ALL JSA, DISCUSSED PINCH POINTS, SLIPS TRIPS AND FALLS, OVERHEAD LOADS HOUSKEEPING AND ECT.							
10:00PM	12:00AM	2.00	STAGE 1 FRAC CONTINUE							
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments	Report Date				
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/24/2014				
Directional Information										
Initial Deviation 7,608	Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205							
Casing / Tubing Information										
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method		
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface		
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68			
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59			
Safety Drills										
Rams 3,000.00 (psi)	Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)	Last BOP Test 6/25/2014	Next BOP Test 7/9/2014					
BULKS										
Product				QTY						
SPRAYBERRY MUD				0.0						
DIESEL, MUD				0.0						
DIESEL, RIG FUEL				72.0						
OIL BASE MUD				1,677.0						
				393.0						



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			MIKE V, CARLOS R
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE
70021	CONTRACT SUPERVISION	33,000	13,600	6,000	19,600	13,400	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL	350,000	12,320	3,990	16,310	333,690	
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT		27,367	9,767	37,134		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	302,117	19,757	321,874	4,157,126	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	636,854	19,757	656,611	4,307,389	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-25-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 9		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor RICK MADDOX / MIKE V, CARLOS R, JESSE , ANDY C		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 656,611		Daily Costs 21,257		Cumulative Cost 677,868		AFE Remaining 4,286,132		AFE % 13.66
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC								
24 HR Operational Comments										
From	To	Duration	Operation Description							
12:00AM	12:45AM	0.75	STAGE 1 : PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ N/A BBLS/ FORMATION BREAK @ N/A PSI @ 15 BPM. RAN 50 BBL 15% HCL, 10,868 BBL SLICKWATER , 98,560 LBS 40/70 WHITE , 405,720 LBS 100 MESH, TOTAL PROP = 504,280 LBS, AVG PRESS = 6,214 PSI, MAX PRESS = 8,450 PSI, AVG RATE = 95.1 BPM, MAX RATE = 96.7 BPM, ISIP = 3,100 , 5 MIN 2,690, FG=0.83, LTR- 10,918 BBLS, PRODUCED WATER=0							
12:45AM	01:30AM	0.75	PICK UP WIRELINE BOP AND LUBRICATOR, PICK UP TOOLS AND PLUG							
01:30AM	03:36AM	2.10	PERF STAGE 2: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 17.29 BPM w/ 3,390#, W/ 352 BBLS PUMPED. Set plug @ 15,188' PERF' the middleWolfcamp @ 15,163'-15,165', 15,113'-15,115', 15,067'-15,069', 15,013'- 15,015' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON. LOG OUT OF HOLE							
03:36AM	06:42AM	3.10	STAGE 2 : PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 314 BBLS/ FORMATION BREAK @ 5,940 PSI @ 15 BPM. RAN 51 BBL 15% HCL, 11,005 BBL SLICKWATER , 98,560 LBS 40/70 WHITE , 406,160 LBS 100 MESH, TOTAL PROP = 504,720 LBS, AVG PRESS = 5,848 PSI, MAX PRESS = 7,300 PSI, AVG RATE = 94.7 BPM, MAX RATE = 97.6 BPM, ISIP = 2,968 , 5 MIN 2,670, FG=0.819, LTR- 11,308 BBLS, PRODUCED WATER=2,450							
06:42AM	08:40AM	1.97	PERF STAGE 3: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,390#, W/ 310 BBLS PUMPED. Set plug @ 14,988' PERF' the middleWolfcamp @ 14,963'-14,965', 14,910'- 14,912', 14,863'-14,865', 14,813'- 14,815' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
08:40AM	11:25AM	2.75	STAGE 3 - PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 305 BBLS/ FORMATION BREAK @ 6,080 PSI @ 15.6 BPM. RAN 55 BBL 15% HCL, 10,716BBL SLICKWATER , 101,600LBS 40/70 WHITE , 404,120 LBS 100 MESH, TOTAL PROP = 505,720 LBS, AVG PRESS = 5,764 PSI, MAX PRESS = 7,000 PSI, AVG RATE = 95.3 BPM, MAX RATE = 96.4 BPM, ISIP = 3,782, 5 MIN 2,840, FG=0.925, LTR- 11,081 BBLS, PRODUCED WATER=2,520							
11:25AM	01:25PM	2.00	PERF STAGE 4: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,280#, W/ 285 BBLS PUMPED. Set plug @ 14,785' PERF' the middleWolfcamp @ 14,763'-14,765', 14,713'- 14,715', 14,660'-14,662', 14,613'- 14,615' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
01:25PM	04:12PM	2.78	STAGE 4: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 313 BBLS/ FORMATION BREAK @ 4,740PSI @ 15.8 BPM. RAN 51 BBL 15% HCL, 10,921 BBL SLICKWATER , 100,920LBS 40/70 WHITE , 404,280 LBS 100 MESH, TOTAL PROP = 505,800LBS, AVG PRESS = 6,645PSI, MAX PRESS = 7,580PSI, AVG RATE = 94.5 BPM, MAX RATE = 96.7 BPM, ISIP = 3,344, 5 MIN 2,780, FG=0.868, LTR- 11,257BBLS, PRODUCED WATER=2,640							
04:12PM	05:35PM	1.38	PERF STAGE 5: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18.62 BPM w/ 3,430#, W/ 313 BBLS PUMPED. Set plug @ 14,588' PERF' the middleWolfcamp @ 14,563'-14,565', 14,513'- 14,515', 14,463'-14,465', 14,413'- 14,415' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
05:35PM	09:04PM	3.48	STAGE 5: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 311 BBLS/ FORMATION BREAK @ 6310 PSI @ 15 BPM. RAN 50 BBL 15% HCL, 10,627 BBL SLICKWATER , 99,020 LBS 40/70 WHITE , 403,980 LBS 100 MESH, TOTAL PROP = 503,000 LBS, AVG PRESS = 6,851 PSI, MAX PRESS = 8,200 PSI, AVG RATE = 95 BPM, MAX RATE = 99 BPM, ISIP = 3,300 , 5 MIN 2,690, FG=0.86, LTR- 10,990 BBLS, PRODUCED WATER=2,410							
09:04PM	10:40PM	1.60	PERF STAGE 6: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 17.98 BPM w/ 3,420#, W/ 294 BBLS PUMPED. Set plug @ 14,388' PERF' the middleWolfcamp @ 14,363'-14,365', 14,313'- 14,315', 14,263'-14,265', 14,216'- 14,218' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
10:40PM	11:47PM	1.12	WAITING FOR ONE LOAD OF SAND, PUMPCO TO REPLACE TWO GROUND VALVES							
11:47PM	12:00AM	0.22	CONTINUE STAGE 6 FRAC							
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments	Report Date				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/25/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/25/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/25/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/25/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/25/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/25/2014				
Directional Information										
Initial Deviation		Max Dev		Max Dogleg						



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

7,608	91.4deg at 14,356	16.7 deg at 8,205
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## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



# APACHE CORPORATION

## Daily Land - Orig Comp Report

### Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE
70021	CONTRACT SUPERVISION			4,500			MIKE V, CARLOS R, SHAWN H
70021	CONTRACT SUPERVISION	33,000	19,600	7,500	27,100	5,900	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL	350,000	16,310	3,990	20,300	329,700	
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT		37,134	9,767	46,902		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	321,874	21,257	343,131	4,135,869	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	656,611	21,257	677,868	4,286,132	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-25-2014		
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 9	
Region PERMIAN	District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX / MIKE V, CARLOS R, JESSE , ANDY C			Engineer / Geologist MICHAEL LYON			
Field SPRABERRY	State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective			
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:							
AFE Costs 4,964,000		Previous Day Cum 656,611		Daily Costs 19,757		Cumulative Cost 676,368		AFE Remaining 4,287,632	AFE % 13.63
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC							
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	12:45AM	0.75	STAGE 1 : PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ N/A BBLS/ FORMATION BREAK @ N/A PSI @ 15 BPM. RAN 50 BBL 15% HCL, 10,868 BBL SLICKWATER , 98,560 LBS 40/70 WHITE , 405,720 LBS 100 MESH, TOTAL PROP = 504,280 LBS, AVG PRESS = 6,214 PSI, MAX PRESS = 8,450 PSI, AVG RATE = 95.1 BPM, MAX RATE = 96.7 BPM, ISIP = 3,100 , 5 MIN 2,690, FG=0.83, LTR- 10,918 BBLS, PRODUCED WATER=0						
12:45AM	01:30AM	0.75	PICK UP WIRELINE BOP AND LUBRICATOR, PICK UP TOOLS AND PLUG						
01:30AM	03:36AM	2.10	PERF STAGE 2: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 17.29 BPM w/ 3,390#. W/ 352 BBLS PUMPED. Set plug @ 15,188' PERF' the middleWolfcamp @ 15,163'-15,165', 15,113'-15,115', 15,067'-15,069', 15,013'- 15,015' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON. LOG OUT OF HOLE						
03:36AM	06:42AM	3.10	STAGE 2 : PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 314 BBLS/ FORMATION BREAK @ 5,940 PSI @ 15 BPM. RAN 51 BBL 15% HCL, 11,005 BBL SLICKWATER , 98,560 LBS 40/70 WHITE , 406,160 LBS 100 MESH, TOTAL PROP = 504,720 LBS, AVG PRESS = 5,848 PSI, MAX PRESS = 7,300 PSI, AVG RATE = 94.7 BPM, MAX RATE = 97.6 BPM, ISIP = 2,968 , 5 MIN 2,670, FG=0.819, LTR- 11,308 BBLS, PRODUCED WATER=2,450						
06:42AM	08:40AM	1.97	PERF STAGE 3: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,390#, W/ 310 BBLS PUMPED. Set plug @ 14,988' PERF' the middleWolfcamp @ 14,963'-14,965', 14,910'- 14,912', 14,863'-14,865', 14,813'- 14,815' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.						
08:40AM			STAGE 3 -						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
08/25/2014		15,013	15,165.00	6 60.00		08/24/2014			
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/24/2014			
Directional Information									
Initial Deviation 7,608	Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205						
Casing / Tubing Information									
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method	
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface	
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68		
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59		
Safety Drills									
Rams 3,000.00 (psi)	Annulars 2,000.00 (psi)	Casing 6/25/2014 / 500.00 (psi)	Last BOP Test 6/25/2014	Next BOP Test 7/9/2014					
BULKS									
Product	QTY								
	0.0								
SPRAYBERRY MUD	0.0								
DIESEL, MUD	72.0								
DIESEL, RIG FUEL	1,677.0								
OIL BASE MUD	393.0								



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE
70021	CONTRACT SUPERVISION			3,000			MIKE V, CARLOS R
70021	CONTRACT SUPERVISION	33,000	19,600	6,000	25,600	7,400	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL	350,000	16,310	3,990	20,300	329,700	
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT		37,134	9,767	46,902		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	321,874	19,757	341,631	4,137,369	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	656,611	19,757	676,368	4,287,632	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-26-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 10		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SHAWN H		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 676,368		Daily Costs 19,757		Cumulative Cost 696,126		AFE Remaining 4,267,874		AFE % 14.02
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC								
24 HR Operational Comments										
From	To	Duration	Operation Description							
12:00AM	02:04AM	2.07	STAGE 6: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 305 BBLS/ FORMATION BREAK @ 4300 PSI @ 15 BPM. RAN 50 BBL 15% HCL, 10,616 BBL SLICKWATER , 108,260 LBS 40/70 WHITE , 407,380 LBS 100 MESH, TOTAL PROP = 515,640 LBS, AVG PRESS = 6,700 PSI, MAX PRESS = 7,090 PSI, AVG RATE = 96.1 BPM, MAX RATE = 97 BPM, ISIP = 3,480 , 5 MIN 2,810, FG=0.88, LTR- 10,960 BBLS, PRODUCED WATER=2,050							
02:04AM	03:38AM	1.57	PERF STAGE 7: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 17.98 BPM w/ 3,480#, W/ 281 BBLS PUMPED. Set plug @ 14,188' PERF' the middleWolfcamp @ 14,163'-14,165', 14,113'- 14,115', 14,063'-14,065', 14,013'- 14,015' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
03:38AM	04:46AM	1.13	WAITING ON ONE LOAD OF SAND, 100 MESH							
04:46AM	07:03AM	2.28	STAGE 7 - PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 300 BBLS/ FORMATION BREAK @ 3910 PSI @ 15 BPM. RAN 55 BBL 15% HCL, 10,961BBL SLICKWATER , 103,640 LBS 40/70 WHITE , 406,600 LBS 100 MESH, TOTAL PROP = 510,240 LBS, AVG PRESS = 6,401 PSI, MAX PRESS = 6,930 PSI, AVG RATE = 94.8 BPM, MAX RATE = 99.4 BPM, ISIP = 3,201 , 5 MIN 2,840, FG=0.849, LTR- 10,961 BBLS, PRODUCED WATER=2,360							
07:03AM	08:35AM	1.53	PERF STAGE 8: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18.3 BPM w/ 3,430#, W/ 288 BBLS PUMPED. Set plug @ 13,988' PERF' the middleWolfcamp @ 13,961'-13,963', 13,913'- 13,915', 13,863'-13,865', 13,813'- 13,815' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
08:35AM	11:05AM	2.50	STAGE 8: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT - NO BALL ACTION. RAN 51 BBL 15% HCL, 5,365 BBL SLICKWATER , 0 LBS 40/70 WHITE , 121,520 LBS 100 MESH, TOTAL PROP = 121,520 LBS, AVG PRESS = 5,031 PSI, MAX PRESS = 9,210 PSI, AVG RATE = 90.3 BPM, MAX RATE = 97.1 BPM, ISIP = 3,077 , 5 MIN 2,500, FG=0.833, LTR- 5,704 BBLS, PRODUCED WATER=1,330  While pumping 1.25# 100 Mesh (Rate - 96.1 Pressure - 6550) Pressure turned strait up and made it to 9210. I cut sand and was able to flush the well at 65 bpm. Overflushed the well a full casing volume, shutdown and turned the well over to wireline.							
11:05AM	12:40PM	1.58	PERF STAGE 9: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,200#, W/ 267 BBLS PUMPED. Set plug @ 13,788' PERF' the middleWolfcamp @ 13,763'-13,765', 13,712'- 12,714', 13,663'-13,665', 13,613'- 13,615' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
12:40PM	04:55PM	4.25	STAGE 9: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 290BBLS/ FORMATION BREAK @ 5,250PSI @ 15 BPM. RAN 51 BBL 15% HCL, 12,358 BBL SLICKWATER , 101,700 LBS 40/70 WHITE , 406,780 LBS 100 MESH, TOTAL PROP = 508,480 LBS, AVG PRESS = 7,113 PSI, MAX PRESS = 9,020 PSI, AVG RATE = 62.8 BPM, MAX RATE = 81.2 BPM, ISIP = 3,620 , 5 MIN 2,670, FG=0.844, LTR- 12,358 BBLS, PRODUCED WATER=3,620.  Had to pump stage @ 62 bpm due to pressure issues							
04:55PM	06:30PM	1.58	PERF STAGE 10: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,420#, W/ 233 BBLS PUMPED. Set plug @ 13,596' PERF' the middleWolfcamp @ 13,563'-13,565', 13,513'- 12,515', 13,461'-13,463', 13,413'- 13,415' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
06:30PM	07:00PM	0.50	SAFETY MEETING, JSA REVIEWED ALL SERVICES PARTICIPATED, REVIEW HAZARD POTENTIALS SLIPS TRIPS AND FALLS, SUSPENDED LOADS, HIGH PRESSURE LINES, ECT							
07:00PM	10:12PM	3.20	STAGE 10: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 258BBLS/ FORMATION BREAK @ 4,860PSI @ 10 BPM. RAN 49 BBL 15% HCL, 10,870 BBL SLICKWATER , 101,700 LBS 40/70 WHITE , 404,920 LBS 100 MESH, TOTAL PROP = 506,620 LBS, AVG PRESS = 6,433 PSI, MAX PRESS = 7,990 PSI, AVG RATE = 94.7 BPM, MAX RATE = 96.7 BPM, ISIP = 3,000 , 5 MIN 2,730, FG=0.82, LTR- 11,152 BBLS, PRODUCED WATER=2,850.							
10:12PM	12:00AM	1.80	PERF STAGE 11: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,160#, W/ 233 BBLS PUMPED. Set plug @ 13,388' PERF' the middleWolfcamp @ 13,363'-13,365', 13,313'- 13,315', 13,263'-13,265', 13,210'- 13,212' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments			Report Date		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00				08/26/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00				08/26/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00				08/26/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00				08/26/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00				08/26/2014		



## APACHE CORPORATION

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08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6	60.00	08/26/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00	08/26/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00	08/26/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/26/2014
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/26/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION	33,000	25,600	6,000	31,600	1,400	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL	350,000	20,300	3,990	24,290	325,710	
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT		46,902	9,767	56,669		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	341,631	19,757	361,389	4,117,611	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	676,368	19,757	696,126	4,267,874	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-26-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 10
Region PERMIAN		District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SHAWN H			Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 677,868	Daily Costs 19,757	Cumulative Cost 697,626	AFE Remaining 4,266,374		AFE % 14.05	
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	02:04AM	2.07	STAGE 6: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 305 BBLS/ FORMATION BREAK @ 4300 PSI @ 15 BPM. RAN 50 BBL 15% HCL, 10,616 BBL SLICKWATER , 108,260 LBS 40/70 WHITE , 407,380 LBS 100 MESH, TOTAL PROP = 515,640 LBS, AVG PRESS = 6,700 PSI, MAX PRESS = 7,090 PSI, AVG RATE = 96.1 BPM, MAX RATE = 97 BPM, ISIP = 3,480 , 5 MIN 2,810, FG=0.88, LTR- 10,960 BBLS, PRODUCED WATER=2,050					
02:04AM	03:38AM	1.57	PERF STAGE 7: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 17.98 BPM w/ 3,480#, W/ 281 BBLS PUMPED. Set plug @ 14,188' PERF the middleWolfcamp @ 14,163'-14,165', 14,113'- 14,115', 14,063'-14,065', 14,013'- 14,015' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
03:38AM	04:46AM	1.13	WAITING ON ONE LOAD OF SAND, 100 MESH					
04:46AM	07:03AM	2.28	STAGE 7 - PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 300 BBLS/ FORMATION BREAK @ 3910 PSI @ 15 BPM. RAN 55 BBL 15% HCL, 10,961BBL SLICKWATER , 103,640 LBS 40/70 WHITE , 406,600 LBS 100 MESH, TOTAL PROP = 510,240 LBS, AVG PRESS = 6,401 PSI, MAX PRESS = 6,930 PSI, AVG RATE = 94.8 BPM, MAX RATE = 99.4 BPM, ISIP = 3,201 , 5 MIN 2,840, FG=0.849, LTR- 10,961 BBLS, PRODUCED WATER=2,360					
07:03AM			PERF STAGE 8: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18.3 BPM w/ 3,430#, W/ 288 BBLS PUMPED. Set plug @ 13,988' PERF the middleWolfcamp @ 13,961'-13,963', 13,913'- 13,915', 13,863'-13,865', 13,813'- 13,815' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/25/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/25/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/25/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/25/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/25/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/25/2014		
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/25/2014		
Directional Information								
Initial Deviation 7,608	Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	
Safety Drills								
Rams 3,000.00 (psi)	Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)	Last BOP Test 6/25/2014	Next BOP Test 7/9/2014			
BULKS								
Product			QTY					
SPRAYBERRY MUD			0.0					
DIESEL, MUD			72.0					
DIESEL, RIG FUEL			1,677.0					
OIL BASE MUD			393.0					



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE
70021	CONTRACT SUPERVISION			3,000			MIKE V, SHAWN H
70021	CONTRACT SUPERVISION	33,000	27,100	6,000	33,100	-100	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL	350,000	20,300	3,990	24,290	325,710	
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT		46,902	9,767	56,669		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	343,131	19,757	362,889	4,116,111	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	677,868	19,757	697,626	4,266,374	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-27-2014		
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 11	
Region PERMIAN	District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SHAWN H			Engineer / Geologist MICHAEL LYON			
Field SPRABERRY	State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective			
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:							
AFE Costs 4,964,000		Previous Day Cum 696,126		Daily Costs 19,757		Cumulative Cost 715,883		AFE Remaining 4,248,117	AFE % 14.42
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC							
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	02:53AM	2.88	STAGE 11: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 270 BBLS/ FORMATION BREAK @ 5,520 PSI @ 15 BPM. RAN 50 BBL 15% HCL, 10,522 BBL SLICKWATER , 99,740 LBS 40/70 WHITE , 403,580 LBS 100 MESH, TOTAL PROP = 503,320 LBS, AVG PRESS = 6,277 PSI, MAX PRESS = 7,780 PSI, AVG RATE = 94.3 BPM, MAX RATE = 97.2 BPM, ISIP = 3,200 , 5 MIN 2,680, FG=0.84, LTR- 10,805 BBLS, PRODUCED WATER=1,110 BBLS						
02:53AM	04:33AM	1.67	PERF STAGE 12: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,170#, W/ 227 BBLS PUMPED. Set plug @ 13,188' PERF' the middleWolfcamp @ 13,163'-13,165', 13,113'- 13,115', 13,063'-13,065', 13,013'- 13,015' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.						
04:33AM	07:22AM	2.82	STAGE 12: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 260 BBLS/ FORMATION BREAK @ 4,200 PSI @ 15 BPM. RAN 50 BBL 15% HCL, 11,057 BBL SLICKWATER , 92,920 LBS 40/70 WHITE , 398,420 LBS 100 MESH, TOTAL PROP = 491,340 LBS, AVG PRESS = 5,593 PSI, MAX PRESS = 5,770 PSI, AVG RATE = 95.3 BPM, MAX RATE = 98.2 BPM, ISIP = 3,356 , 5 MIN 2,648, FG=0.869, LTR- 11,334 BBLS, PRODUCED WATER= 0 BBLS						
07:22AM	09:00AM	1.63	PERF STAGE 13: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,390#, W/ 225 BBLS PUMPED. Set plug @ 12,988' PERF' the middleWolfcamp @ 12,963'-12,965', 12,913'- 12,915', 12,863'-12,865', 12,815'- 12,817' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.						
09:00AM	11:55AM	2.92	STAGE 13: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 257 BBLS/ FORMATION BREAK @ 4,370 PSI @ 14.9 BPM. RAN 49 BBL 15% HCL, 10,699 BBL SLICKWATER , 99,460 LBS 40/70 WHITE , 404,820 LBS 100 MESH, TOTAL PROP = 504,280 LBS, AVG PRESS = 5,829 PSI, MAX PRESS = 7,940 PSI, AVG RATE = 94.8 BPM, MAX RATE = 96.7 BPM, ISIP = 3,083 , 5 MIN 2,670, FG=0.834, LTR- 10,972 BBLS, PRODUCED WATER= 0 BBLS						
11:55AM	01:25PM	1.50	PERF STAGE 14: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,320#, W/ 220 BBLS PUMPED. Set plug @ 12,788' PERF' the middleWolfcamp @ 12,763'-12,765', 12,713'- 12,715', 12,663'-12,665', 12,615'- 12,617' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.						
01:25PM	04:00PM	2.58	STAGE 14: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 266 BBLS/ FORMATION BREAK @ 4,760 PSI @ 15.9 BPM. RAN 50 BBL 15% HCL, 10,753 BBL SLICKWATER , 100,060 LBS 40/70 WHITE , 405,900 LBS 100 MESH, TOTAL PROP = 505,960 LBS, AVG PRESS = 5,874 PSI, MAX PRESS = 8,590 PSI, AVG RATE = 94.7 BPM, MAX RATE = 99.3 BPM, ISIP = 3,162 , 5 MIN 2,790, FG=0.844, LTR- 11,023 BBLS, PRODUCED WATER= 0 BBLS  HAD TO PUMP FLUSH @ 90 BPM DUE TO PUMP ISSUES						
04:00PM	05:30PM	1.50	STAGE 15 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 19 BPM w/ 3,310#, W/ 203 BBLS PUMPED. Set plug @ 12,588' PERF' the middleWolfcamp @ 12,563'-12,565', 12,516'- 12,518', 12,463'-12,465', 12,413'- 12,415' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.						
05:30PM	06:00PM	0.50	HELD SAFETY MEETING AND REVIEWED ALL JSA, SLIPS TRIPS AND FALLS OVERHEAD LOADS, HIGH PRESSURE LINES, ECT						
06:00PM	08:47PM	2.78	STAGE 15: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 260 BBLS/ FORMATION BREAK @ 4,700 PSI @ 15.9 BPM. RAN 50 BBL 15% HCL, 10,622 BBL SLICKWATER , 100,740 LBS 40/70 WHITE , 404,520 LBS 100 MESH, TOTAL PROP = 505,260 LBS, AVG PRESS = 5,910 PSI, MAX PRESS = 7,260 PSI, AVG RATE = 96.2 BPM, MAX RATE = 98.2 BPM, ISIP = 3,500 , 5 MIN 2,850, FG=0.88, LTR- 10,875 BBLS, PRODUCED WATER= 0 BBLS						
08:47PM	10:14PM	1.45	STAGE 16 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,370#, W/ 210 BBLS PUMPED. Set plug @ 12,394' PERF' the middleWolfcamp @ 12,363'-12,365', 12,313'- 12,315', 12,263'-12,265', 12,213'- 12,215' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.						
10:14PM	12:00AM	1.77	CONTINUE STAGE 16 FRAC						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/27/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/27/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/27/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/27/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/27/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/27/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/27/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/27/2014			





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6	60.00	08/27/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6	60.00	08/27/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6	60.00	08/27/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6	60.00	08/27/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00	08/27/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00	08/27/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/27/2014
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/27/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



# APACHE CORPORATION

## Daily Land - Orig Comp Report

### Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION	33,000	31,600	6,000	37,600	-4,600	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL	350,000	24,290	3,990	28,280	321,720	
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT		56,669	9,767	66,436		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	361,389	19,757	381,146	4,097,854	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	696,126	19,757	715,883	4,248,117	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-27-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 11		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SHAWN H		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 696,126		Daily Costs 19,757		Cumulative Cost 715,883		AFE Remaining 4,248,117		AFE % 14.42
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC								
24 HR Operational Comments										
From	To	Duration	Operation Description							
12:00AM	02:53AM	2.88	STAGE 11: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 270 BBLS/ FORMATION BREAK @ 5,520 PSI @ 15 BPM. RAN 50 BBL 15% HCL, 10,522 BBL SLICKWATER , 99,740 LBS 40/70 WHITE , 403,580 LBS 100 MESH, TOTAL PROP = 503,320 LBS, AVG PRESS = 6,277 PSI, MAX PRESS = 7,780 PSI, AVG RATE = 94.3 BPM, MAX RATE = 97.2 BPM, ISIP = 3,200 , 5 MIN 2,680, FG=0.84, LTR- 10,805 BBLS, PRODUCED WATER=1,110 BBLS							
02:53AM	04:33AM	1.67	PERF STAGE 12: RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,170#, W/ 227 BBLS PUMPED. Set plug @ 13,188' PERF' the middleWolfcamp @ 13,163'-13,165', 13,113'- 13,115', 13,063'-13,065', 13,013'- 13,015' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
04:33AM	07:22AM	2.82	STAGE 12: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 260 BBLS/ FORMATION BREAK @ 4,200 PSI @ 15 BPM. RAN 50 BBL 15% HCL, 11,057 BBL SLICKWATER , 92,920 LBS 40/70 WHITE , 398,420 LBS 100 MESH, TOTAL PROP = 491,340 LBS, AVG PRESS = 5,593 PSI, MAX PRESS = 5,770 PSI, AVG RATE = 95.3 BPM, MAX RATE = 98.2 BPM, ISIP = 3,356 , 5 MIN 2,648, FG=0.869, LTR- 11,334 BBLS, PRODUCED WATER= 0 BBLS							
07:22AM										
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments	Report Date				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/26/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/26/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/26/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/26/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/26/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/26/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/26/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/26/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/26/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/26/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/26/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/26/2014				
Directional Information										
Initial Deviation 7,608	Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205							
Casing / Tubing Information										
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method		
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface		
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68			
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59			
Safety Drills										
Rams 3,000.00 (psi)	Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)		Last BOP Test 6/25/2014		Next BOP Test 7/9/2014			
BULKS										
Product				QTY						
SPRAYBERRY MUD				0.0						
DIESEL, MUD				0.0						
DIESEL, RIG FUEL				72.0						
OIL BASE MUD				1,677.0						
				393.0						



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION	33,000	31,600	6,000	37,600	-4,600	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL	350,000	24,290	3,990	28,280	321,720	
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT		56,669	9,767	66,436		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	361,389	19,757	381,146	4,097,854	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	696,126	19,757	715,883	4,248,117	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-28-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 12		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SEAN H		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 715,883		Daily Costs 19,757		Cumulative Cost 735,640		AFE Remaining 4,228,360		AFE % 14.82
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC								
24 HR Operational Comments										
From	To	Duration	Operation Description							
12:00AM	01:08AM	1.13	STAGE 16: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 265 BBLS/ FORMATION BREAK @ 4,300 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,557 BBL SLICKWATER , 99,260 LBS 40/70 WHITE , 408,230 LBS 100 MESH, TOTAL PROP = 507,490 LBS, AVG PRESS = 5,831 PSI, MAX PRESS = 6,550 PSI, AVG RATE = 95.5 BPM, MAX RATE = 97.3 BPM, ISIP = 3,540 , 5 MIN 2,760, FG=0.89, LTR- 10,818 BBLS, PRODUCED WATER= 0 BBLS							
01:08AM	02:35AM	1.45	STAGE 17 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,230#, W/ 199 BBLS PUMPED. Set plug @ 12,188' PERF the middleWolfcamp @ 12,163'-12,165', 12,113'- 12,115', 12,063'-12,065', 12,013'- 12,015' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
02:35AM	05:16AM	2.68	STAGE 17: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 300 BBLS/ FORMATION BREAK @ 4,500 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,557 BBL SLICKWATER , 99,080 LBS 40/70 WHITE , 407,260 LBS 100 MESH, TOTAL PROP = 506,340 LBS, AVG PRESS = 6,210 PSI, MAX PRESS = 6,280 PSI, AVG RATE = 94.6 BPM, MAX RATE = 96.8 BPM, ISIP = 3,320 , 5 MIN 2,810, FG=0.86, LTR- 10,818 BBLS, PRODUCED WATER= 2,640 BBLS							
05:16AM	06:45AM	1.48	STAGE 18 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,110#, W/ 190 BBLS PUMPED. Set plug @ 11,988' PERF the middleWolfcamp @ 11,964'-11,966', 11,913'- 11,915', 11,863'-11,865', 11,813'- 11,815' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
06:45AM	10:00AM	3.25	STAGE 18: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 239 BBLS/ FORMATION BREAK @ 4,340 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,936 BBL SLICKWATER , 101,820 LBS 40/70 WHITE , 398,760 LBS 100 MESH, TOTAL PROP = 500,580 LBS, AVG PRESS = 6,771 PSI, MAX PRESS = 8,750 PSI, AVG RATE = 94.7 BPM, MAX RATE = 99.8 BPM, ISIP = 3,065 , 5 MIN 2,630, FG=0.832, LTR- 11,176 BBLS, PRODUCED WATER= 2,330 BBLS							
10:00AM	11:30AM	1.50	STAGE 19 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,110#, W/ 183 BBLS PUMPED. Set plug @ 11,788' PERF the middleWolfcamp @ 11,763'-11,765', 11,715'- 11,717', 11,663'-11,665', 11,613'- 11,615' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
11:30AM	01:35PM	2.08	WAIT ON SAND							
01:35PM	03:35PM	2.00	STAGE 19: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 243 BBLS/ FORMATION BREAK @ 4,320 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,903 BBL SLICKWATER , 100,120 LBS 40/70 WHITE , 410,020 LBS 100 MESH, TOTAL PROP = 510,140 LBS, AVG PRESS = 6,183 PSI, MAX PRESS = 8,490 PSI, AVG RATE = 95.4 BPM, MAX RATE = 97.0 BPM, ISIP = 3,124 , 5 MIN 2,640, FG=0.840, LTR- 11,136 BBLS, PRODUCED WATER= 2,290 BBLS							
03:35PM	05:00PM	1.42	STAGE 20 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,070#, W/ 153 BBLS PUMPED. Set plug @ 11,588' PERF the middleWolfcamp @ 11,563'-11,565', 11,513'- 11,515', 11,468'-11,470', 11,413'- 11,415' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
05:00PM	07:40PM	2.67	STAGE 20: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ N/A BBLS/ FORMATION BREAK @ N/A PSI @ 15.0 BPM. RAN 49 BBL 15% HCL, 10,503 BBL SLICKWATER , 105,080 LBS 40/70 WHITE , 398,060 LBS 100 MESH, TOTAL PROP = 503,868 LBS, AVG PRESS = 5,694 PSI, MAX PRESS = 7,230 PSI, AVG RATE = 94.7 BPM, MAX RATE = 96.6 BPM, ISIP = 3,300 , 5 MIN 2,640, FG=0.86, LTR- 10,705 BBLS, PRODUCED WATER= 2,350 BBLS							
07:40PM	08:59PM	1.32	STAGE 21 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,010#, W/ 147 BBLS PUMPED. Set plug @ 11,388' PERF the middleWolfcamp @ 11,363'-11,365', 11,313'- 11,315', 11,263'-11,265', 11,214'- 11,216' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
08:59PM	10:37PM	1.63	SHUT DOWN AT END OF WIRELINE RUN DUE TO INCLEMENT WEATHER							
10:37PM	12:00AM	1.38	CONTINUE STAGE 21 FRAC							
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments	Report Date				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/28/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/28/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/28/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/28/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/28/2014				
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/28/2014				
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/28/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/28/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/28/2014				



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## Daily Land - Orig Comp Report

08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6	60.00	08/28/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6	60.00	08/28/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6	60.00	08/28/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6	60.00	08/28/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6	60.00	08/28/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6	60.00	08/28/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6	60.00	08/28/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6	60.00	08/28/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00	08/28/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00	08/28/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/28/2014
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/28/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION	33,000	37,600	6,000	43,600	-10,600	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL	350,000	28,280	3,990	32,270	317,730	
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT		66,436	9,767	76,203		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	381,146	19,757	400,903	4,078,097	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	715,883	19,757	735,640	4,228,360	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-28-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 12
Region PERMIAN		District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SEAN H			Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 715,883	Daily Costs 19,757	Cumulative Cost 735,640	AFE Remaining 4,228,360		AFE % 14.82	
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	01:08AM	1.13	STAGE 16: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 265 BBLS/ FORMATION BREAK @ 4,300 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,557 BBL SLICKWATER , 99,260 LBS 40/70 WHITE , 408,230 LBS 100 MESH, TOTAL PROP = 507,490 LBS, AVG PRESS = 5,831 PSI, MAX PRESS = 6,550 PSI, AVG RATE = 95.5 BPM, MAX RATE = 97.3 BPM, ISIP = 3,540 , 5 MIN 2,760, FG=0.89, LTR- 10,818 BBLS, PRODUCED WATER= 0 BBLS					
01:08AM	02:35AM	1.45	STAGE 17 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,230#, W/ 199 BBLS PUMPED. Set plug @ 12,188' PERF the middleWolfcamp @ 12,163'-12,165', 12,113'- 12,115', 12,063'-12,065', 12,013'- 12,015' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
02:35AM	05:16AM	2.68	STAGE 17: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 300 BBLS/ FORMATION BREAK @ 4,500 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,557 BBL SLICKWATER , 99,080 LBS 40/70 WHITE , 407,260 LBS 100 MESH, TOTAL PROP = 506,340 LBS, AVG PRESS = 6,210 PSI, MAX PRESS = 6,280 PSI, AVG RATE = 94.6 BPM, MAX RATE = 96.8 BPM, ISIP = 3,320 , 5 MIN 2,810, FG=0.86, LTR- 10,818 BBLS, PRODUCED WATER= 2,640 BBLS					
05:16AM	06:45AM	1.48	STAGE 18 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,110#, W/ 190 BBLS PUMPED. Set plug @ 11,988' PERF the middleWolfcamp @ 11,964'-11,966', 11,913'- 11,915', 11,863'-11,865', 11,813'- 11,815' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
06:45AM			STAGE 18 -					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/28/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/28/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/28/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/28/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/28/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/28/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/28/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/28/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/28/2014		
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/28/2014		
Directional Information								
Initial Deviation 7,608	Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	
Safety Drills								
Rams 3,000.00 (psi)	Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)	Last BOP Test 6/25/2014	Next BOP Test 7/9/2014			





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BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



# APACHE CORPORATION

## Daily Land - Orig Comp Report

### Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION	33,000	37,600	6,000	43,600	-10,600	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL	350,000	28,280	3,990	32,270	317,730	
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT		66,436	9,767	76,203		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	381,146	19,757	400,903	4,078,097	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	715,883	19,757	735,640	4,228,360	



## APACHE CORPORATION

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WELL NAME UNIVERSITY 2505 2HU							DATE 08-29-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBSD	RKB/RT 2,647.60	Working Int % 100.00	Report No 13
Region PERMIAN		District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SEAN H			Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 735,640	Daily Costs 19,757	Cumulative Cost 755,397	AFE Remaining 4,208,603		AFE % 15.22	
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	02:17AM	2.28	STAGE 21: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 240 BBLS/ FORMATION BREAK @ 4,090 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 11,849 BBL SLICKWATER , 100,000 LBS 40/70 WHITE , 402,380 LBS 100 MESH, TOTAL PROP = 502,480 LBS, AVG PRESS = 5,694 PSI, MAX PRESS = 8,910 PSI, AVG RATE = 93.1 BPM, MAX RATE = 97.5 BPM, ISIP = 3,090 , 5 MIN 2,780, FG=0.83, LTR- 12,047 BBLS, PRODUCED WATER= 2,730 BBLS					
02:17AM	03:45AM	1.47	STAGE 22 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,150#, W/ 136 BBLS PUMPED. Set plug @ 11,188' PERF the middleWolfcamp @ 11,163'-11,165', 11,113'- 11,115', 11,063'-11,065', 11,013'- 11,015' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
03:45AM	06:15AM	2.50	STAGE 22					
06:15AM	07:30AM	1.25	STAGE 23 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,090#, W/ 139 BBLS PUMPED. Set plug @ 10,988' PERF the middleWolfcamp @ 10,968'-10,970', 10,913'- 10,915', 10,863'-10,865', 10,813'- 10,815' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
07:30AM			STAGE 23					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/28/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/28/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/28/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/28/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/28/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/28/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/28/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/28/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/28/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/28/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/28/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/28/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/28/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/28/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/28/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/28/2014		
Directional Information								
Initial Deviation 7,608	Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	
Safety Drills								



APACHE CORPORATION

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Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION	33,000	43,600	6,000	49,600	-16,600	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL	350,000	32,270	3,990	36,260	313,740	
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT		76,203	9,767	85,971		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	400,903	19,757	420,660	4,058,340	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	735,640	19,757	755,397	4,208,603	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-29-2014		
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 13	
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SEAN H		Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:							
AFE Costs 4,964,000		Previous Day Cum 735,640		Daily Costs 19,757		Cumulative Cost 755,397		AFE Remaining 4,208,603	AFE % 15.22
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC							
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	02:17AM	2.28	STAGE 21: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 240 BBLS/ FORMATION BREAK @ 4,090 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 11,849 BBL SLICKWATER , 100,000 LBS 40/70 WHITE , 402,380 LBS 100 MESH, TOTAL PROP = 502,480 LBS, AVG PRESS = 5,694 PSI, MAX PRESS = 8,910 PSI, AVG RATE = 93.1 BPM, MAX RATE = 97.5 BPM, ISIP = 3,090 , 5 MIN 2,780, FG=0.83, LTR- 12,047 BBLS, PRODUCED WATER= 2,730 BBLS						
02:17AM	03:45AM	1.47	STAGE 22 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,150#, W/ 136 BBLS PUMPED. Set plug @ 11,188' PERF' the middleWolfcamp @ 11,163'-11,165', 11,113'- 11,115', 11,063'-11,065', 11,013'- 11,015' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.						
03:45AM	06:15AM	2.50	STAGE 22: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 230 BBLS/ FORMATION BREAK @ 3,940 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,149 BBL SLICKWATER , 100,220 LBS 40/70 WHITE , 406,040 LBS 100 MESH, TOTAL PROP = 506,260 LBS, AVG PRESS = 6,311 PSI, MAX PRESS = 7,890 PSI, AVG RATE = 96.2 BPM, MAX RATE = 97.7 BPM, ISIP = 3,224 , 5 MIN 2,740, FG=0.853, LTR- 10,336 BBLS, PRODUCED WATER= 1,970 BBLS						
06:15AM	07:30AM	1.25	STAGE 23 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,090#, W/ 139 BBLS PUMPED. Set plug @ 10,988' PERF' the middleWolfcamp @ 10,968'-10,970', 10,913'- 10,915', 10,863'-10,865', 10,813'- 10,815' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.						
07:30AM	10:00AM	2.50	PUMPCO HAVING ISSUES GETTING A GOOD PRESSURE TEST						
10:00AM	12:10PM	2.17	STAGE 23: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 227 BBLS/ FORMATION BREAK @ 3,790 PSI @ 15.0 BPM. RAN 51 BBL 15% HCL, 10,559 BBL SLICKWATER , 99,660 LBS 40/70 WHITE , 402,430 LBS 100 MESH, TOTAL PROP = 502,090 LBS, AVG PRESS = 5,881 PSI, MAX PRESS = 6,550 PSI, AVG RATE = 95.1 BPM, MAX RATE = 96.2 BPM, ISIP = 3,350, 5 MIN 2,720, FG=0.870, LTR- 10,749 BBLS, PRODUCED WATER= 1,740 BBLS						
12:10PM	01:25PM	1.25	STAGE 24 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,100#, W/ 127 BBLS PUMPED. Set plug @ 10,788' PERF' the middleWolfcamp @ 10,763'-10,765', 10,713'- 10,715', 10,661'-10,663', 10,613'- 10,615' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.						
01:25PM	03:00PM	1.58	STAGE 24- PUMPCO BEGAN TO FRAC THIS STAGE, WORKED UP TO 100,000# 100 MESH AND HAD TO SHUT DOWN FRAC, FLUSHED SUCCESSFULLY, INCLEMENT WEATHER SAFETY STAND DOWN, LIGHTNING						
03:00PM	06:30PM	3.50	WEATHER CLEARED						
06:30PM	08:00PM	1.50	STAGE 24: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 219 BBLS/ FORMATION BREAK @ 4,280PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 11,724 BBL SLICKWATER , 101,220 LBS 40/70 WHITE , 400,760 LBS 100 MESH, TOTAL PROP = 501,980 LBS, AVG PRESS = 5,990 PSI, MAX PRESS = 8,890 PSI, AVG RATE = 94.3 BPM, MAX RATE = 97.1 BPM, ISIP = 3,210, 5 MIN 2,050, FG=0.85, LTR- 11,904 BBLS, PRODUCED WATER= 2,400 BBLS						
08:00PM	09:39PM	1.65	STAGE 25 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,040#, W/ 124 BBLS PUMPED. Set plug @ 10,594' PERF' the middleWolfcamp @ 10,563'-10,565', 10,513'- 10,515', 10,463'-10,465', 10,417'- 10,419' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.						
09:39PM	12:00AM	2.35	CONTINUE STAGE 25 FRAC						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/29/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/29/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/29/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/29/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/29/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/29/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/29/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/29/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/29/2014			
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/29/2014			
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/29/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/29/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/29/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/29/2014			



## APACHE CORPORATION

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08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6	60.00	08/29/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6	60.00	08/29/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6	60.00	08/29/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6	60.00	08/29/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6	60.00	08/29/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6	60.00	08/29/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6	60.00	08/29/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00	08/29/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00	08/29/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/29/2014
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/29/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE D
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION	33,000	43,600	6,000	49,600	-16,600	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL	350,000	32,270	3,990	36,260	313,740	
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT		76,203	9,767	85,971		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	400,903	19,757	420,660	4,058,340	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	735,640	19,757	755,397	4,208,603	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-30-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 14
Region PERMIAN		District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SEAN H			Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 755,397	Daily Costs 19,757	Cumulative Cost 775,155	AFE Remaining 4,188,845		AFE % 15.62	
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	12:57AM	0.95	STAGE 25: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 215 BBLS/ FORMATION BREAK @ 3,970 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,836 BBL SLICKWATER , 99,040 LBS 40/70 WHITE , 410,520 LBS 100 MESH, TOTAL PROP = 509,560 LBS, ,AVG PRESS = 6,315 PSI, MAX PRESS = 7,140 AVG RATE = 94.7 BPM, MAX RATE = 96.2 BPM, ISIP = 3,000, 5 MIN 2,760, FG=0.82, LTR- 11,011 BBLS, PRODUCED WATER= 2,070 BBLS					
12:57AM	02:05AM	1.13	STAGE 26 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,10#, W/ 114 BBLS PUMPED. Set plug @ 10,388' PERF' the middleWolfcamp @ 10,363'-10,365', 10,313'- 10,315', 10,263'-10,265', 10,213'- 10,215' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
02:05AM			PUMPCO TO REPLACE ONE PUMP					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/29/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/29/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/29/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/29/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/29/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/29/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/29/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/29/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/29/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/29/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/29/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/29/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/29/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/29/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/29/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/29/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/29/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/29/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/29/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/29/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/29/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/29/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/29/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/29/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/29/2014		
Directional Information								
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	
Safety Drills								
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)		Last BOP Test 6/25/2014		Next BOP Test 7/9/2014



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BULKs

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



# APACHE CORPORATION

## Daily Land - Orig Comp Report

### Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE D
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION	33,000	49,600	6,000	55,600	-22,600	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL	350,000	36,260	3,990	40,250	309,750	
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT		85,971	9,767	95,738		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	420,660	19,757	440,418	4,038,582	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	755,397	19,757	775,155	4,188,845	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-30-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 14		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SEAN H		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 755,397		Daily Costs 19,757		Cumulative Cost 775,155		AFE Remaining 4,188,845		AFE % 15.62
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC								
24 HR Operational Comments										
From	To	Duration	Operation Description							
12:00AM	12:57AM	0.95	STAGE 25: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 215 BBLS/ FORMATION BREAK @ 3,970 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,836 BBL SLICKWATER, 99,040 LBS 40/70 WHITE, 410,520 LBS 100 MESH, TOTAL PROP = 509,560 LBS, AVG PRESS = 6,315 PSI, MAX PRESS = 7,140 AVG RATE = 94.7 BPM, MAX RATE = 96.2 BPM, ISIP = 3,000, 5 MIN 2,760, FG=0.82, LTR- 11,011 BBLS, PRODUCED WATER= 2,070 BBLS							
12:57AM	02:05AM	1.13	STAGE 26 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,10#, W/ 114 BBLS PUMPED. Set plug @ 10,388' PERF' the middleWolfcamp @ 10,363'-10,365', 10,313'- 10,315', 10,263'-10,265', 10,213'- 10,215' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
02:05AM	06:00AM	3.92	PUMPCO TO REPLACE ONE PUMP. ALSO WAIT ON SAND. DUE TO WEATHER							
06:00AM	08:00AM	2.00	STAGE 26: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 184 BBLS/ FORMATION BREAK @ 4,200 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,776 BBL SLICKWATER, 98,540 LBS 40/70 WHITE, 401,780 LBS 100 MESH, TOTAL PROP = 500 LBS, AVG PRESS = 5,881 PSI, MAX PRESS = 6,550 PSI, AVG RATE = 95.1 BPM, MAX RATE = 96.2 BPM, ISIP = 3,350, 5 MIN 2,720, FG=0.870, LTR- 10,749 BBLS, PRODUCED WATER= 1,740 BBLS							
08:00AM	09:50AM	1.83	STAGE 27 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,120#, W/ 100 BBLS PUMPED. Set plug @ 10,188' PERF' the middleWolfcamp @ 10,158'-10,160', 10,113'- 10,115', 10,063'-10,065', 10,011'- 10,013' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
09:50AM	10:40AM	0.83	STAGE 27 FRAC REDESIGNED							
10:40AM	12:33PM	1.88	STAGE 27: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 208 BBLS/ FORMATION BREAK @ 3,910 PSI @ 15.0 BPM. RAN 51 BBL 15% HCL, 8,723 BBL SLICKWATER, 65,600 LBS 40/70 WHITE, 318,020 LBS 100 MESH, TOTAL PROP = 383,620 LBS, AVG PRESS = 5,441 PSI, MAX PRESS = 7,700 PSI, AVG RATE = 94.7 BPM, MAX RATE = 98.6 BPM, ISIP = 3,310 PSI, 5 MIN 2,820 PSI, FG=0.864, LTR- 8,874 BBLS, PRODUCED WATER= 1,770 BBLS							
12:33PM	02:30PM	1.95	STAGE 28 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,150#, W/82 BBLS PUMPED. Set plug @ 9,988' PERF' the middleWolfcamp @ 9,963'- 9,965', 9,913'- 9,915', 9,863'- 9,865', 9,813'- 9,815' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
02:30PM	04:31PM	2.02	WAIT ON ONE LOAD OF 100 MESH TO START STAGE 28 FRAC							
04:31PM	06:46PM	2.25	STAGE 28: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 203 BBLS/ FORMATION BREAK @ 3,980 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,162 BBL SLICKWATER, 99,920 LBS 40/70 WHITE, 407,320 LBS 100 MESH, TOTAL PROP = 507,240 LBS, AVG PRESS = 5,408 PSI, MAX PRESS = 7,920 PSI, AVG RATE = 94.8 BPM, MAX RATE = 98.2 BPM, ISIP = 3,128, 5 MIN 2,890, FG=0.84, LTR- 10,294 BBLS, PRODUCED WATER= 1,990 BBLS							
06:46PM	08:00PM	1.23	STAGE 29 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,220#, W/73 BBLS PUMPED. Set plug @ 9,788' PERF' the middleWolfcamp @ 9,765'- 9,767', 9,713'- 9,715', 9,663'- 9,765', 9,613'- 9,615' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.							
08:00PM	08:30PM	0.50	SAFETY MEETING							
08:30PM	12:00AM	3.50	CONTINUE STAGE 29 FRAC							
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments	Report Date				
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/30/2014				
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/30/2014				
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/30/2014				
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/30/2014				
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/30/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/30/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/30/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/30/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/30/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/30/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/30/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/30/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/30/2014				
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/30/2014				



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08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6	60.00	08/30/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6	60.00	08/30/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6	60.00	08/30/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6	60.00	08/30/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6	60.00	08/30/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6	60.00	08/30/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6	60.00	08/30/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6	60.00	08/30/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6	60.00	08/30/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6	60.00	08/30/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6	60.00	08/30/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00	08/30/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00	08/30/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/30/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/30/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE D
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION	33,000	49,600	6,000	55,600	-22,600	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL	350,000	36,260	3,990	40,250	309,750	
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT		85,971	9,767	95,738		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	420,660	19,757	440,418	4,038,582	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	755,397	19,757	775,155	4,188,845	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-31-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 15
Region PERMIAN	District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SEAN H			Engineer / Geologist MICHAEL LYON		
Field SPRABERRY	State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name			RIG PHONE NO	RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 775,155	Daily Costs 19,757	Cumulative Cost 794,912	AFE Remaining 4,169,088	AFE % 16.01		
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	12:14AM	0.23	STAGE 29: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 198 BBLS/ FORMATION BREAK @ 4,170 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,669 BBL SLICKWATER , 103,300 LBS 40/70 WHITE , 404,880 LBS 100 MESH, TOTAL PROP = 508,180 LBS, AVG PRESS = 5,001 PSI, MAX PRESS = 6,710 PSI, AVG RATE = 69.5 BPM, MAX RATE = 70 BPM, ISIP = 3,204, 5 MIN 2,820, FG=0.85, LTR- 10,792 BBLS, PRODUCED WATER= 2,460 BBLS					
12:14AM	01:30AM	1.27	STAGE 30 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,520#, W/73 BBLS PUMPED. Set plug @ 9,588' PERF' the middleWolfcamp @ 9,563'- 9,565', 9,510'- 9,512', 9,463'- 9,465', 9,413'- 9,415' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
01:30AM	05:30AM	4.00	STAGE 30: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 195 BBLS/ FORMATION BREAK @ 3,890 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,722 BBL SLICKWATER , 101,800 LBS 40/70 WHITE , 404,680 LBS 100 MESH, TOTAL PROP = 506,480 LBS, AVG PRESS = 4,861 PSI, MAX PRESS = 5,470 PSI, AVG RATE = 65.6 BPM, MAX RATE = 66.8 BPM, ISIP = 3,204, 5 MIN 2,950, FG=0.87, LTR- 10,846 BBLS, PRODUCED WATER= 2,410 BBLS					
05:30AM	06:50AM	1.33	STAGE 31 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,460#, W/66 BBLS PUMPED. Set plug @ 9,394' PERF' the middleWolfcamp @ 9,363'- 9,365', 9,313'- 9,315', 9,267'- 9,269', 9,213'- 9,215' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
06:50AM			STAGE 31 -					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014		
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/31/2014		
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/31/2014		



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE D
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION	33,000	55,600	6,000	61,600	-28,600	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL	350,000	40,250	3,990	44,240	305,760	
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT		95,738	9,767	105,505		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	440,418	19,757	460,175	4,018,825	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	775,155	19,757	794,912	4,169,088	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 08-31-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 15
Region PERMIAN	District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SEAN H			Engineer / Geologist MICHAEL LYON		
Field SPRABERRY	State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 775,155	Daily Costs 19,757	Cumulative Cost 794,912	AFE Remaining 4,169,088		AFE % 16.01	
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	12:14AM	0.23	STAGE 29: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 198 BBLS/ FORMATION BREAK @ 4,170 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,669 BBL SLICKWATER , 103,300 LBS 40/70 WHITE , 404,880 LBS 100 MESH, TOTAL PROP = 508,180 LBS, AVG PRESS = 5,001 PSI, MAX PRESS = 6,710 PSI, AVG RATE = 69.5 BPM, MAX RATE = 70 BPM, ISIP = 3,204, 5 MIN 2,820, FG=0.85, LTR- 10,792 BBLS, PRODUCED WATER= 2,460 BBLS					
12:14AM	01:30AM	1.27	STAGE 30 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,520#, W/73 BBLS PUMPED. Set plug @ 9,588' PERF' the middleWolfcamp @ 9,563'- 9,565', 9,510'- 9,512', 9,463'- 9,465', 9,413'- 9,415' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
01:30AM	05:30AM	4.00	STAGE 30: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 195 BBLS/ FORMATION BREAK @ 3,890 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,722 BBL SLICKWATER , 101,800 LBS 40/70 WHITE , 404,680 LBS 100 MESH, TOTAL PROP = 506,480 LBS, AVG PRESS = 4,861 PSI, MAX PRESS = 5,470 PSI, AVG RATE = 65.6 BPM, MAX RATE = 66.8 BPM, ISIP = 3,204, 5 MIN 2,950, FG=0.87, LTR- 10,846 BBLS, PRODUCED WATER= 2,410 BBLS					
05:30AM	06:50AM	1.33	STAGE 31 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,460#, W/66 BBLS PUMPED. Set plug @ 9,394' PERF' the middleWolfcamp @ 9,363'- 9,365', 9,313'- 9,315', 9,267'- 9,269', 9,213'- 9,215' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
06:50AM	10:30AM	3.67	STAGE 31 - PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 205 BBLS/ FORMATION BREAK @ 3,630 PSI @ 15.0 BPM. RAN 51 BBL 15% HCL, 10,676 BBL SLICKWATER , 100,640 LBS 40/70 WHITE , 401,080 LBS 100 MESH, TOTAL PROP = 501,720 LBS, AVG PRESS = 4,634 PSI, MAX PRESS = 6,050 PSI, AVG RATE = 65.4 BPM, MAX RATE = 67.4 BPM, ISIP = 3,330, 5 MIN 2,890, FG=0.867, LTR- 10,742 BBLS, PRODUCED WATER= 2,680 BBLS					
10:30AM	11:40AM	1.17	STAGE 32 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 18 BPM w/ 3,360#, W/50 BBLS PUMPED. Set plug @ 9,188' PERF' the middleWolfcamp @ 9,163'- 9,165', 9,113'- 9,115', 9,063'- 9,065', 9,017'- 9,019' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
11:40AM	02:40PM	3.00	STAGE 32: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 190 BBLS/ FORMATION BREAK @ 3,820 PSI @ 15.0 BPM. RAN 51 BBL 15% HCL, 10,227 BBL SLICKWATER , 100,820 LBS 40/70 WHITE , 406,200 LBS 100 MESH, TOTAL PROP = 507,020 LBS, AVG PRESS = 4,681 PSI, MAX PRESS = 5,470 PSI, AVG RATE = 65.5 BPM, MAX RATE = 67.8 BPM, ISIP = 3,323, 5 MIN 2,840, FG=0.866, LTR- 10,328 BBLS, PRODUCED WATER= 35 BBLS					
02:40PM	03:55PM	1.25	STAGE 33 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 16 BPM w/ 3,280#, W/ 48 BBLS PUMPED. Set plug @ 8,988' PERF' the middleWolfcamp @ 8,963'- 8,965', 8,913'- 8,915', 8,863'- 8,865', 8,813'- 8,815' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
03:55PM	04:55PM	1.00	WAIT ON TWO LOADS OF 100 MESH TO START STAGE 33 FRAC					
04:55PM	07:56PM	3.02	STAGE 33: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 190 BBLS/ FORMATION BREAK @ 3,640 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 10,322 BBL SLICKWATER , 103,220 LBS 40/70 WHITE , 392,500 LBS 100 MESH, TOTAL PROP = 495,720 LBS, AVG PRESS = 4,596 PSI, MAX PRESS = 5,50 PSI, AVG RATE = 65.5 BPM, MAX RATE = 66.2 BPM, ISIP = 2,810, 5 MIN 2,390, FG=0.79, LTR- 10,430 BBLS, PRODUCED WATER= 0 BBLS					
07:56PM	09:07PM	1.18	STAGE 34 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 16 BPM w/ 2,820#, W/ 42 BBLS PUMPED. Set plug @ 8,790' PERF' the middleWolfcamp @ 8,763'- 8,765', 8,713'- 8,715', 8,659'- 8,661', 8,613'- 8,615' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
09:07PM	09:30PM	0.38	HELD SAFETY MEETING, ALL SERVICE PROVIDERS PRESENT. REVIEW JSA AND DISCUSS POTENTIAL HAZARDS, SLIPS TRIPS AND FALLS, SUSPENDED LOADS, HIGH PRESSURE LINES ECT					
09:30PM	12:00AM	2.50	STAGE 34 FRAC CONTINUE					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014		



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08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6	60.00	08/31/2014
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6	60.00	08/31/2014
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6	60.00	08/31/2014
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/31/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE D
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION	33,000	55,600	6,000	61,600	-28,600	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL	350,000	40,250	3,990	44,240	305,760	
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT		95,738	9,767	105,505		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	440,418	19,757	460,175	4,018,825	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	775,155	19,757	794,912	4,169,088	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 09-01-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 16
Region PERMIAN	District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SEAN H			Engineer / Geologist MICHAEL LYON		
Field SPRABERRY	State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 794,912	Daily Costs 19,757	Cumulative Cost 814,669	AFE Remaining 4,149,331		AFE % 16.41	
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	12:50AM	0.83	STAGE 34: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 180 BBLS/ FORMATION BREAK @ 3,620 PSI @ 15.0 BPM. RAN 49 BBL 15% HCL, 10,215 BBL SLICKWATER , 98,260 LBS 40/70 WHITE , 409,800 LBS 100 MESH, TOTAL PROP = 508,060 LBS, AVG PRESS = 4,272 PSI, MAX PRESS = 4,910 PSI, AVG RATE = 65.3 BPM, MAX RATE = 69.8 BPM, ISIP = 3,128, 5 MIN 2,790, FG=0.84, LTR- 10,307 BBLS, PRODUCED WATER= 0 BBLS					
12:50AM	01:48AM	0.97	STAGE 35 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 12 BPM w/ 2,950#, W/ 36 BBLS PUMPED. Set plug @ 8,588' PERF' the middleWolfcamp @ 8,563'- 8,565', 8,513'- 8,515', 8,463'- 8,465', 8,413'- 8,415' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
01:48AM	05:49AM	4.02	STAGE 35: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 174 BBLS/ FORMATION BREAK @ 3,680 PSI @ 15.0 BPM. RAN 49 BBL 15% HCL, 10,574 BBL SLICKWATER , 98,680 LBS 40/70 WHITE , 407,280 LBS 100 MESH, TOTAL PROP = 505,960 LBS, AVG PRESS = 4,320 PSI, MAX PRESS = 5,800 PSI, AVG RATE = 65.7 BPM, MAX RATE = 66.8 BPM, ISIP = 3,254, 5 MIN 2,840, FG=0.85, LTR- 10,659 BBLS, PRODUCED WATER= 0 BBLS					
05:49AM	07:15AM	1.43	STAGE 36 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 12 BPM w/ 2,500#, W/ 32 BBLS PUMPED. Set plug @ 8,388' PERF' the middleWolfcamp @ 8,363'- 8,365', 8,313'- 8,315', 8,269'- 8,271', 8,213'- 8,215' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
07:15AM								
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014		
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/31/2014		



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/31/2014
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/31/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



# APACHE CORPORATION

## Daily Land - Orig Comp Report

### Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE D
70021	CONTRACT SUPERVISION	33,000	61,600	6,000	67,600	-34,600	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL	350,000	44,240	3,990	48,230	301,770	
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT		105,505	9,767	115,272		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	460,175	19,757	479,932	3,999,068	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	794,912	19,757	814,669	4,149,331	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 09-01-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 16
Region PERMIAN	District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX / MIKE V, JESSE , ANDY C, SEAN H			Engineer / Geologist MICHAEL LYON		
Field SPRABERRY	State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 794,912	Daily Costs 19,757	Cumulative Cost 814,669	AFE Remaining 4,149,331		AFE % 16.41	
Comment Summary 24 HR Forecast		STAGE FRAC STAGE FRAC						
24 HR Operational Comments								
From	To	Duration	Operation Description					
12:00AM	12:50AM	0.83	STAGE 34: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 180 BBLs/ FORMATION BREAK @ 3,620 PSI @ 15.0 BPM. RAN 49 BBL 15% HCL, 10,215 BBL SLICKWATER , 98,260 LBS 40/70 WHITE , 409,800 LBS 100 MESH, TOTAL PROP = 508,060 LBS, AVG PRESS = 4,272 PSI, MAX PRESS = 4,910 PSI, AVG RATE = 65.3 BPM, MAX RATE = 69.8 BPM, ISIP = 3,128, 5 MIN 2,790, FG=0.84, LTR- 10,307 BBLs, PRODUCED WATER= 0 BBLs					
12:50AM	01:48AM	0.97	STAGE 35 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 12 BPM w/ 2,950#, W/ 36 BBLs PUMPED. Set plug @ 8,588' PERF' the middleWolfcamp @ 8,563'- 8,565', 8,513'- 8,515', 8,463'- 8,465', 8,413'- 8,415' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
01:48AM	05:49AM	4.02	STAGE 35: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 174 BBLs/ FORMATION BREAK @ 3,680 PSI @ 15.0 BPM. RAN 49 BBL 15% HCL, 10,574 BBL SLICKWATER , 98,680 LBS 40/70 WHITE , 407,280 LBS 100 MESH, TOTAL PROP = 505,960 LBS, AVG PRESS = 4,320 PSI, MAX PRESS = 5,800 PSI, AVG RATE = 65.7 BPM, MAX RATE = 66.8 BPM, ISIP = 3,254, 5 MIN 2,840, FG=0.85, LTR- 10,659 BBLs, PRODUCED WATER= 0 BBLs					
05:49AM	07:15AM	1.43	STAGE 36 RU Renegade Wireline, tested lubricator to 8,000#. RIH w/ CCL, 4.37" 10K Obsidian composite flow-thru frac plug and 3 1/8" SLICK csg guns loaded w/ 6 spf, 60 deg, S-3406-- RDX; 21.6 Gram; 35.6" Pent; .42" EHD started pump down @ 7,640', @ 12 BPM w/ 2,500#, W/ 32 BBLs PUMPED. Set plug @ 8,388' PERF' the middleWolfcamp @ 8,363'- 8,365', 8,313'- 8,315', 8,269'- 8,271', 8,213'- 8,215' 48 Holes, POOH, ALL SHOTS FIRED, DROP BALL CAP ON.					
07:15AM	10:25AM	3.17	STAGE 36: PUMPCO SERVICES TO FRAC UPPER WOLFCAMP FORMATION BALL HIT @ 225 BBLs/ FORMATION BREAK @ 4,210 PSI @ 15.0 BPM. RAN 50 BBL 15% HCL, 9,995 BBLs SLICKWATER, 99,320 LBS 40/70 WHITE, 412,760 LBS 100 MESH, TOTAL PROP = 512,080 LBS, AVG PRESS = 4,392 PSI, MAX PRESS = 7,260 PSI, AVG RATE = 67.4 BPM, MAX RATE = 71.3 BPM, ISIP = 3,238, 5 MIN 2,710, FG=.856, LTR- 10,077 BBLs, PRODUCED WATER= 0 BBLs					
10:25AM	12:00AM	13.58	RDMO					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments		Report Date	
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00			08/31/2014	
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00			08/31/2014	
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00			08/31/2014	
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00			08/31/2014	
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00			08/31/2014	
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00			08/31/2014	
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00			08/31/2014	
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00			08/31/2014	
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00			08/31/2014	
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00			08/31/2014	
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00			08/31/2014	
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00			08/31/2014	
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00			08/31/2014	
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00			08/31/2014	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/31/2014
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/31/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
SPRAYBERRY MUD	0.0
DIESEL, MUD	0.0
DIESEL, RIG FUEL	72.0
OIL BASE MUD	1,677.0
	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION			3,000			MIKE V, SEAN H
70021	CONTRACT SUPERVISION			3,000			ANDY C, JESSE D
70021	CONTRACT SUPERVISION	33,000	61,600	6,000	67,600	-34,600	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			600			LIGHT PLANTS
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL			300			FORKLIFT
70031	EQUIPMENT RENTAL			300			TRAILER & COMMS
70031	EQUIPMENT RENTAL			30			TRASH TRAILER
70031	EQUIPMENT RENTAL			0			LINE RESTRAINTS
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			300			MANLIFT
70031	EQUIPMENT RENTAL			0			CRANE
70031	EQUIPMENT RENTAL			0			LUBRICATOR
70031	EQUIPMENT RENTAL			60			TOILETS
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL	350,000	44,240	3,990	48,230	301,770	
70034	FORMATION STIMULATION			0			PROPPANT 100 MESH ,40/70
70034	FORMATION STIMULATION			0			ISOLATION TOOL
70034	FORMATION STIMULATION			0			FRAC PLUGS
70034	FORMATION STIMULATION			0			TRACER
70034	FORMATION STIMULATION			0			FRAC FLEET FUEL
70034	FORMATION STIMULATION			0			FRAC COMPANY
70034	FORMATION STIMULATION	2,400,000	15,500	0	15,500	2,384,500	
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	37,367	0	37,367	177,633	FRAC WIRELINE
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT			7,567			COIL STANDBY
70069	SNUBBING/COIL TUBING UNIT			2,200			TOOLS STANDBY
70069	SNUBBING/COIL TUBING UNIT		105,505	9,767	115,272		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	1,000	0	1,000	299,000	WATER TRANSFER
70186	FLOWBACK TESTER		0	0	0		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	460,175	19,757	479,932	3,999,068	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	794,912	19,757	814,669	4,149,331	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 09-28-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 17		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor RICK MADDOX / ANDY CHRISTOPHER		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP		Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 19,542,514		Daily Costs 15,700		Cumulative Cost 19,558,214		AFE Remaining -14,594,214		AFE % 394.00
Comment Summary 24 HR Forecast		WSI, WAITING ON FRAC TO FINISH NO 1HM SET CAP PLUG								
24 HR Operational Comments										
From	To	Duration	Operation Description							
12:00AM	04:00PM	16.00	WSI, FRAC NO 1 COMPLETE							
04:00PM	05:00PM	1.00	RIG UP E&P WIRELINE PREPARE TO RIH SET CAP PLUG							
05:00PM	07:00PM	2.00	SET CAP PLUG AT 7,580, PRESSURE TEST TO 5000# BLEED OFF AND POOH							
07:00PM	12:00AM	5.00	RDMO WIRELINE AND SUPPORT EQUIPMENT, REPORT SUSPENDED UNTIL MONDAY							
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments			Report Date		
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00				08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00				08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00				08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00				08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00				08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00				08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00				08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00				08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00				08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00				08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00				08/31/2014		
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00				08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00				08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00				08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00				08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00				08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00				08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00				08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00				08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00				08/31/2014		
Directional Information										
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205						
Casing / Tubing Information										
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method		



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

<b>Rams</b>	<b>Annulars</b>	<b>Casing</b>	<b>Last BOP Test</b>	<b>Next BOP Test</b>
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

<b>Product</b>	<b>QTY</b>
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	
70021	CONTRACT SUPERVISION	33,000	67,600	1,700	69,300	-36,300	ANDY CHRISTOPHER
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			100			HALFPIT
70031	EQUIPMENT RENTAL			800			FRAC VALVES
70031	EQUIPMENT RENTAL			7,100			CRANE
70031	EQUIPMENT RENTAL			500			ACID TANKS
70031	EQUIPMENT RENTAL	350,000	124,675	9,500	134,175	215,825	
70034	FORMATION STIMULATION	2,400,000	18,277,835	0	18,277,835	-15,877,835	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	283,327	4,500	287,827	-72,827	WIRELINE
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	2,908	0	2,908	97,092	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		4,500	0	4,500		
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	19,207,777	15,700	19,223,477	-14,744,477	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	19,542,514	15,700	19,558,214	-14,594,214	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 09-29-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 18		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor CHARLES GRAVES / ANDY CHRISTOPHER		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 19,558,214		Daily Costs 19,200		Cumulative Cost 19,577,414		AFE Remaining -14,613,414		AFE % 394.39
Status Comment Summary 24 HR Forecast		ROL MIRU WSU DRILL PLUGS								
24 HR Operational Comments										
From	To	Duration	Operation Description							
12:00AM	07:00AM	7.00	WSI, WAITING TO MIRU WOR AND SUPPORT EQUIPMENT							
07:00AM	12:00PM	5.00	MOVIN RIG UP SAND X, MOVE OUT HALF PIT, WAITING ON BAKER TO REMOVE SAND KINGS							
12:00PM	06:00PM	6.00	MOVE IN FIL DIRT AND WORK ON LOCATION, MUDDY ENVIROMENT NOT SAFE TO WORK IN, CONTINUE MIRU WOR AND SUPPORT EQUIPMENT							
06:00PM	10:00PM	4.00	UNLOAD WORK STRING, RACK PIPE AND NIPPLE UP BOP MUD CROSS AND HYDRILL, RUN FLOWLINE TO MANIFOLD AND SAND X							
10:00PM	12:00AM	2.00	WAITING ON 1500 SERIES BOLT FOR THE BOP							
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments			Report Date		
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00				08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00				08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00				08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00				08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00				08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00				08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00				08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00				08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00				08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00				08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00				08/31/2014		
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00				08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00				08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00				08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00				08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00				08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00				08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00				08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00				08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00				08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00				08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00				08/31/2014		
Directional Information										
Initial Deviation		Max Dev		Max Dogleg						



APACHE CORPORATION

Daily Land - Orig Comp Report

7,608	91.4deg at	14,356	16.7 deg at	8,205
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Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION			1,000			CHARLES GRAVES
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	WORK OVER RIG
70021	CONTRACT SUPERVISION	33,000	69,300	1,700	71,000	-38,000	ANDY CHRISTOPHER
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			1,000			BOP, HYDRIL, FLOWCROSS
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			5,000			REVERSE UNIT
70031	EQUIPMENT RENTAL	350,000	134,175	7,800	141,975	208,025	
70034	FORMATION STIMULATION	2,400,000	18,277,835	0	18,277,835	-15,877,835	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	TRANSFER FLUID
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING			1,400			ROCK TOOL
70074	TRUCKING AND HAULING			2,100			ONYX
70074	TRUCKING AND HAULING	100,000	2,908	3,500	6,408	93,592	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		4,500	5,200	9,700		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	19,223,477	19,200	19,242,677	-14,763,677	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	0	0	0	55,000	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737		334,737	150,263	
Total:		4,964,000	19,558,214	19,200	19,577,414	-14,613,414	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 09-30-2014		
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 19	
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor CHARLES GRAVES / ANDY CHRISTOPHER		Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:							
AFE Costs 4,964,000		Previous Day Cum 1,842,656		Daily Costs 25,000		Cumulative Cost 1,867,656		AFE Remaining 3,096,344	AFE % 37.62
Comment Summary 24 HR Forecast		MIRU WOR AND SUPORT EQUIPMENT WOR DRILLOUT							
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	01:00AM	1.00	FINISH NIPPLE UP BOP, MUD CROSS AND HYDRILL						
01:00AM	04:00AM	3.00	RIG UP COMPLETE,						
04:00AM	09:00AM	5.00	TRIP IN HOLE WITH 2.88 PH6 WORK STRING, 4.625 JZ BIT BIT SUB AND FLOAT ONE JT 2.88 PH6 FLOAT						
09:00AM	12:00PM	3.00	TEST BOP, FOUND TWO VALVES ON FLOW CROSS LEAKING. CONTINUED TRIP TO CAP PLUG						
12:00PM	03:30PM	3.50	TAG CAP PLUG @ 7580'. RU SWIVEL AND SB FOR BASIC TO REPAIR FLOW CROSS						
03:30PM	04:00PM	0.50	DRILL UP CAP PLUG: DOT 27 MINUTES PR=3, RR=3 PP=1850 PSI WHP=1000 PSI PU, TORQUE @ 3100. SEND 10 BBL SWEEP.						
04:00PM	05:50PM	1.83	SWIVEL IN WITH TBG TO PLUG 1						
05:50PM	06:00PM	0.17	TAG PLUG 1 @ 8388'. DOT 9 MINUTES PR=3, RR=3 PP=1850 PSI WHP=900 PSI, TORQUE @ 3100. SEND 10 BBL SWEEP. CIH						
06:00PM	06:49PM	0.82	TRIP IN HOLE TO NEXT PLUG						
06:49PM	06:56PM	0.12	TAG PLUG #2 JT 277, 8,581', DRILL THROUGH AND PUMP SWEEP, DRILL TIME 7 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 950#						
06:56PM	07:25PM	0.48	TRIP IN HOLE TO NEXT PLUG						
07:25PM	07:55PM	0.50	TAG PLUG #3 JT 283 8,760', DRILL THROUGH AND PUMP SWEEP, DRILL TIME 30 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 1000#						
07:55PM	09:39PM	1.73	TRIP IN HOLE TO NEXT PLUG						
09:39PM	09:51PM	0.20	TAG PLUG #4 JT 290 8,980', DRILL THROUGH AND PUMP SWEEP, DRILL TIME 12 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 950#						
09:51PM	10:02PM	0.18	TRIP IN HOLE TO NEXT PLUG						
10:02PM	10:30PM	0.47	TAG PLUG #5 JT 296 9,158', DRILL THROUGH AND PUMP SWEEP, DRILL TIME 28 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 1000#						
10:30PM	10:55PM	0.42	TRIP IN HOLE TO NEXT PLUG						
10:55PM	11:08PM	0.22	TAG PLUG #6 JT 303 9,375', DRILL THROUGH AND PUMP SWEEP, DRILL TIME 13 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 1000#						
11:08PM	12:00AM	0.87	BEGIN CIRCULATE BOTTOMS UP						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014			
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014			



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## Daily Land - Orig Comp Report

08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6	60.00	08/31/2014
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/31/2014
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/31/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		1,000	1,000	2,000		CHARLES GRAVES
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	4,200	50,280	265,720	WORK OVER RIG
70021	CONTRACT SUPERVISION	33,000	71,000	1,700	72,700	-39,700	ANDY CHRISTOPHER
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			5,000			REVERSE UNIT
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL			1,000			BOP, HYDRIL, FLOWCROSS
70031	EQUIPMENT RENTAL	350,000	141,975	7,800	149,775	200,225	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	0	2,400	2,400	297,600	TRANSFER FLUID
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	6,408	0	6,408	93,592	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		9,700	5,200	14,900		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,507,919	22,300	1,530,219	2,948,781	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000		2,700			WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737	2,700	337,437	147,563	
Total:		4,964,000	1,842,656	25,000	1,867,656	3,096,344	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 09-30-2014		
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 19	
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor CHARLES GRAVES / ANDY CHRISTOPHER		Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:							
AFE Costs 4,964,000		Previous Day Cum 19,577,414		Daily Costs 15,700		Cumulative Cost 19,593,114		AFE Remaining -14,629,114	AFE % 394.70
Comment Summary 24 HR Forecast		MIRU WOR AND SUPORT EQUIPMENT WOR DRILLOUT							
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	01:00AM	1.00	FINISH NIPPLE UP BOP, MUD CROSS AND HYDRILL						
01:00AM	04:00AM	3.00	RIG UP COMPLETE,						
04:00AM			TRIP IN HOLE WITH 2.88 PH6 WORK STRING, 4.625 JZ BIT BIT SUB AND FLOAT ONE JT 2.88 PH6 FLOAT						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014			
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014			
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/31/2014			
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/31/2014			
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/31/2014			
Directional Information									
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205					



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		1,000	1,000	2,000		CHARLES GRAVES
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	46,080	0	46,080	269,920	WORK OVER RIG
70021	CONTRACT SUPERVISION	33,000	71,000	1,700	72,700	-39,700	ANDY CHRISTOPHER
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			5,000			REVERSE UNIT
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL			1,000			BOP, HYDRIL, FLOWCROSS
70031	EQUIPMENT RENTAL	350,000	141,975	7,800	149,775	200,225	
70034	FORMATION STIMULATION	2,400,000	18,277,835	0	18,277,835	-15,877,835	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	0	0	0	300,000	TRANSFER FLUID
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	6,408	0	6,408	93,592	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		9,700	5,200	14,900		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	19,242,677	15,700	19,258,377	-14,779,377	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000		0			WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	334,737	0	334,737	150,263	
Total:		4,964,000	19,577,414	15,700	19,593,114	-14,629,114	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-01-2014		
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 20	
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor CHARLES GRAVES / ANDY CHRISTOPHER		Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:							
AFE Costs 4,964,000		Previous Day Cum 1,867,656		Daily Costs 25,000		Cumulative Cost 1,892,656		AFE Remaining 3,071,344	AFE % 38.13
Comment Summary 24 HR Forecast		WOR DRILLOUT WOR DRILLOUT							
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	12:52AM	0.87	FINISH CIRCULATION						
12:52AM	01:03AM	0.18	TAG PLUG #7 JT 296 9,568' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 11 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 900#						
01:03AM	01:30AM	0.45	TRIP IN HOLE TO NEXT PLUG						
01:30AM	01:38AM	0.13	TAG PLUG #8 JT 316 9,770' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 8 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 900#						
01:38AM	02:08AM	0.50	TRIP IN HOLE TO NEXT PLUG						
02:08AM	02:19AM	0.18	TAG PLUG #9 JT 322 9,968' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 11 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 900#						
02:19AM	02:58AM	0.65	TRIP IN HOLE TO NEXT PLUG						
02:58AM	03:18AM	0.33	TAG PLUG #10 JT 328 10,156' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 20 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 800#						
03:18AM	04:47AM	1.48	TRIP IN HOLE TO NEXT PLUG						
04:47AM	04:59AM	0.20	TAG PLUG #11 JT 335 10,368' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 12 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 800#						
04:59AM	05:22AM	0.38	TRIP IN HOLE TO NEXT PLUG						
05:22AM	05:35AM	0.22	TAG PLUG #12 JT 342 10,515' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 13 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 800#						
05:35AM	07:30AM	1.92	CIRCULATE SWEEP, PUMP CASING VOLUME TO CLEAN WELL BORE						
07:30AM	07:39AM	0.15	TAG PLUG # 13 JT 348, DRILLED UP & PUMP SWEEP, DRILL TIME 9 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 800#						
07:39AM	08:00AM	0.35	TRIP TO NEXT PLUG						
08:00AM	08:14AM	0.23	TAG PLUG #14 JT 354 , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 14 MIN, PR 3 BPM, RR 3 BPM, CIRC 1800#, FCP 700#						
08:14AM			TRIP TO NEXT PLUG						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014			
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014			
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/31/2014			
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/31/2014			



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/31/2014
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/31/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		2,000	1,000	3,000		CHARLES GRAVES
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	50,280	4,200	54,480	261,520	WORK OVER RIG
70021	CONTRACT SUPERVISION	33,000	72,700	1,700	74,400	-41,400	ANDY CHRISTOPHER
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			5,000			REVERSE UNIT
70031	EQUIPMENT RENTAL			1,000			BOP, HYDRIL, FLOWCROSS
70031	EQUIPMENT RENTAL	350,000	149,775	7,800	157,575	192,425	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	2,400	2,400	4,800	295,200	TRANSFER FLUID
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	6,408	0	6,408	93,592	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		14,900	5,200	20,100		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,530,219	22,300	1,552,519	2,926,481	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	2,700	2,700	5,400	49,600	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	337,437	2,700	340,137	144,863	
Total:		4,964,000	1,867,656	25,000	1,892,656	3,071,344	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-02-2014		
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 21	
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor CHARLES GRAVES / ANDY CHRISTOPHER		Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:							
AFE Costs 4,964,000		Previous Day Cum 1,892,656		Daily Costs 25,000		Cumulative Cost 1,917,656		AFE Remaining 3,046,344	AFE % 38.63
Status ROL									
Comment Summary WOR DRILLOUT									
24 HR Forecast WOR DRILLOUT									
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	12:10AM	0.17	FINISH CIRCULATING						
12:10AM	12:17AM	0.12	TAG PLUG #26 JT 426 13369' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 7 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 900#						
12:17AM	01:00AM	0.72	TRIP IN HOLE TO NEXT PLUG						
01:00AM	01:13AM	0.22	TAG PLUG #27 JT 439 13586' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 13 MIN, PR 3 BPM, RR 3 BPM, CIRC 1900#, FCP 800#						
01:13AM	01:50AM	0.62	TRIP IN HOLE TO NEXT PLUG						
01:50AM	02:10AM	0.33	TAG PLUG #28 JT 445 13772' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 20 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 800#						
02:10AM	02:35AM	0.42	TRIP IN HOLE TO NEXT PLUG						
02:35AM	04:17AM	1.70	CIRCULATE CASING VOLUME						
04:17AM	04:27AM	0.17	TAG PLUG #29 JT 452 13978' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 10 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 900#						
04:27AM	05:12AM	0.75	TRIP IN HOLE TO NEXT PLUG						
05:12AM	05:23AM	0.18	TAG PLUG #30 JT 458 14175' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 11 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 800#						
05:23AM	06:06AM	0.72	TRIP TO NEXT PLUG						
06:06AM	06:21AM	0.25	TAG PLUG #31 JT 464 14362' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 15 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 800#						
06:21AM	09:12AM	2.85	CIRCULATED CSG VOLUME TO CLEAN WELL BORE						
09:12AM	09:22AM	0.17	TAG PLUG #32 JT 471 14574' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 10 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 1000#						
09:22AM	10:08AM	0.77	TRIP TO NEXT PLUG						
10:08AM	10:21AM	0.22	TAG PLUG #33 JT 477 14750' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 13 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 1000#						
10:21AM	11:31AM	1.17	TRIP TO NEXT PUG						
11:31AM	11:42AM	0.18	TAG PLUG #34 JT 489 15122' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 11 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 1000#						
11:42AM	11:49AM	0.12	TRIP TO NEXT PLUG						
11:49AM	12:02PM	0.22	TAG PLUG #35 JT 490 15160' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 10 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 1000#						
12:02PM	12:44PM	0.70	TAG PBTD @ 15,388', PUMPED 20 BBL SWEEP.						
12:44PM	02:15PM	1.52	CIRCULATED BOTTOMS UPS						
02:15PM	12:00AM	9.75	TRIP OUT OF HOLE LAYING DOWN						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014			
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014			



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## Daily Land - Orig Comp Report

08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6	60.00	08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6	60.00	08/31/2014
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6	60.00	08/31/2014
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/31/2014
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/31/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		3,000	1,000	4,000		CHARLES GRAVES
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	54,480	4,200	58,680	257,320	WORK OVER RIG
70021	CONTRACT SUPERVISION	33,000	74,400	1,700	76,100	-43,100	ANDY CHRISTOPHER
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			5,000			REVERSE UNIT
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL			1,000			BOP, HYDRIL, FLOWCROSS
70031	EQUIPMENT RENTAL	350,000	157,575	7,800	165,375	184,625	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	4,800	2,400	7,200	292,800	TRANSFER FLUID
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	6,408	0	6,408	93,592	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		20,100	5,200	25,300		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,552,519	22,300	1,574,819	2,904,181	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	5,400	2,700	8,100	46,900	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	340,137	2,700	342,837	142,163	
Total:		4,964,000	1,892,656	25,000	1,917,656	3,046,344	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-02-2014		
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 21	
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor CHARLES GRAVES / ANDY CHRISTOPHER		Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:							
AFE Costs 4,964,000		Previous Day Cum 1,892,656		Daily Costs 25,000		Cumulative Cost 1,917,656		AFE Remaining 3,046,344	AFE % 38.63
Status ROL									
Comment Summary WOR DRILLOUT									
24 HR Forecast WOR DRILLOUT									
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	12:10AM	0.17	FINISH CIRCULATING						
12:10AM	12:17AM	0.12	TAG PLUG #26 JT 426 13369' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 7 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 900#						
12:17AM	01:00AM	0.72	TRIP IN HOLE TO NEXT PLUG						
01:00AM	01:13AM	0.22	TAG PLUG #27 JT 439 13586' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 13 MIN, PR 3 BPM, RR 3 BPM, CIRC 1900#, FCP 800#						
01:13AM	01:50AM	0.62	TRIP IN HOLE TO NEXT PLUG						
01:50AM	02:10AM	0.33	TAG PLUG #28 JT 445 13772' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 20 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 800#						
02:10AM	02:35AM	0.42	TRIP IN HOLE TO NEXT PLUG						
02:35AM	04:17AM	1.70	CIRCULATE CASING VOLUME						
04:17AM	04:27AM	0.17	TAG PLUG #29 JT 452 13978' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 10 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 900#						
04:27AM	05:12AM	0.75	TRIP IN HOLE TO NEXT PLUG						
05:12AM	05:23AM	0.18	TAG PLUG #30 JT 458 14175' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 11 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 800#						
05:23AM	06:06AM	0.72	TRIP TO NEXT PLUG						
06:06AM	06:21AM	0.25	TAG PLUG #31 JT 464 14362' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 15 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 800#						
06:21AM	09:20AM	2.98	CIRCULATED CSG VOLUME TO CLEAN WELL BORE						
09:20AM			TAG PLUG # 32 JT 452 13978' , DRILL THROUGH AND PUMP SWEEP, DRILL TIME 10 MIN, PR 3 BPM, RR 3 BPM, CIRC 2000#, FCP 900#						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014			
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014			
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/31/2014			
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/31/2014			



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## Daily Land - Orig Comp Report

08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6	60.00	08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00	08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/31/2014
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/31/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		3,000	1,000	4,000		CHARLES GRAVES
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	54,480	4,200	58,680	257,320	WORK OVER RIG
70021	CONTRACT SUPERVISION	33,000	74,400	1,700	76,100	-43,100	ANDY CHRISTOPHER
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			5,000			REVERSE UNIT
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL			1,000			BOP, HYDRIL, FLOWCROSS
70031	EQUIPMENT RENTAL	350,000	157,575	7,800	165,375	184,625	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	4,800	2,400	7,200	292,800	TRANSFER FLUID
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	6,408	0	6,408	93,592	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		20,100	5,200	25,300		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,552,519	22,300	1,574,819	2,904,181	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	5,400	2,700	8,100	46,900	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	340,137	2,700	342,837	142,163	
Total:		4,964,000	1,892,656	25,000	1,917,656	3,046,344	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-03-2014		
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 22	
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor CHARLES GRAVES / ANDY CHRISTOPHER		Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:							
AFE Costs 4,964,000		Previous Day Cum 1,917,656		Daily Costs 115,150		Cumulative Cost 2,032,806		AFE Remaining 2,931,194	AFE % 40.95
Status ROL									
Comment Summary		FINISH DRILLOUT/ FLOWBACK 13/64" CHK, WELL FLOWED 452 BLW, 0 BO IN 6 HRS, FTP - 760 PSI, SICP - ? PSI, LTR - 386,534 BLW							
24 HR Forecast		RUN PRODUCTION TUBING							
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	02:00AM	2.00	CONTINUE POOH LAYING DOWN 2 7/8 PH6						
02:00AM	03:20AM	1.33	125 JTS IN HOLE, RIG UP TO CASING AND BULL HEAD 65 BBLS 15# MUD TO KILL WELL						
03:20AM	05:00AM	1.67	WELL KILLED, CONTINUE TO POOH						
05:00AM	07:00AM	2.00	ON SURFACE, LAYDOWN BIT AND BIT SUB , RACK WORKSTRING ON THE GROUND , CHANGE TUBING RAMS FOR 2 3/8 PIPE, REMOVE STRIPPER RUBBER						
07:00AM	09:00AM	2.00	UNLOAD & RACK 244 JTS 2 3/8" L80 TBG. LOAD 525 JTS 2 7/8" PH6, TBG ELEVATORS & SEND TO OIL DOG						
09:00AM	12:00PM	3.00	RIH W/ MAGNUMDISK SUB ASSEMBLY, 2 3/8" EUE, 1K BY 10 K, BOX X PIN, P110. 2 JTS 2 3/8" L80 TBG, SEATING NIPPLE & 110 JTS 2 3/8" L80 TBG. RU LINE& LOADED TBG.						
12:00PM	03:00PM	3.00	CIH W/ REMAINING TBG. EOT: 7126'						
03:00PM	05:00PM	2.00	RD LD MACHINE, RESPT PIPE RACKS, ND HYDRIL, FLOW CROSS & BOP. NU FLOWTREE						
05:00PM	07:00PM	2.00	RU ON TBG PUMP 20 BBLS, BURST DISK WITH 900 PSI. CIRCULATED MUD OOH. TURNED OVER TO FLOWBACK						
07:00PM	12:00AM	5.00	13/64" CHK, WELL FLOWED 452 BLW, 0 BO IN 6 HRS, FTP - 760 PSI, SICP - ? PSI, LTR - 386,534 BLW						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014			
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014			
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/31/2014			
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/31/2014			





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00	08/31/2014
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00	08/31/2014

## Directional Information

Initial Deviation	Max Dev	Max Dogleg
7,608	91.4deg at 14,356	16.7 deg at 8,205

## Casing / Tubing Information

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



# APACHE CORPORATION

## Daily Land - Orig Comp Report

### Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		4,000	1,000	5,000		CHARLES GRAVES
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	58,680	4,200	62,880	253,120	WORK OVER RIG
70021	CONTRACT SUPERVISION	33,000	76,100	1,700	77,800	-44,800	ANDY CHRISTOPHER
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	8,000	9,861		JB FLUIDS/ 15 LBS MUD
70031	EQUIPMENT RENTAL			15,180			LAY DOWN MACHINE
70031	EQUIPMENT RENTAL			600			FORK LIFT
70031	EQUIPMENT RENTAL						FLOW TREE
70031	EQUIPMENT RENTAL			1,000			BOP, HYDRIL, FLOWCROSS
70031	EQUIPMENT RENTAL			5,000			REVERSE UNIT
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL	350,000	165,375	23,580	188,955	161,045	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	7,200	2,040	9,240	290,760	HAUL TO DISPOSAL
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	6,408	2,800	9,208	90,792	BACK HAUL TBG
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		25,300	5,200	30,500		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,574,819	48,520	1,623,339	2,855,661	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	1,383	24,198	75,803	CERAMIC DISK
71033	OTHER SURFACE EQUIPMENT			2,750			4 5/8" BIT
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING			59,798			2 3/8" L80
71053	TUBING			2,700			WORK STRING
71053	TUBING	55,000	8,100	62,498	70,598	-15,598	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	342,837	66,630	409,467	75,533	
Total:		4,964,000	1,917,656	115,150	2,032,806	2,931,194	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-03-2014		
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 22	
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor CHARLES GRAVES / ANDY CHRISTOPHER		Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:							
AFE Costs 4,964,000		Previous Day Cum 1,917,656		Daily Costs 25,000		Cumulative Cost 1,942,656		AFE Remaining 3,021,344	AFE % 39.13
Comment Summary 24 HR Forecast		FINISH DRILLOUT RUN PRODUCTION TUBING							
24 HR Operational Comments									
From	To	Duration	Operation Description						
12:00AM	02:00AM	2.00	CONTINUE POOH LAYING DOWN 2 7/8 PH6						
02:00AM	03:20AM	1.33	125 JTS IN HOLE, RIG UP TO CASING AND BULL HEAD 65 BBLs 15# MUD TO KILL WELL						
03:20AM	05:00AM	1.67	WELL KILLED, CONTINUE TO POOH						
05:00AM	07:00AM	2.00	ON SURFACE, LAYDOWN BIT AND BIT SUB, RACK WORKSTRING ON THE GROUND, CHANGE TUBING RAMS FOR 2 3/8 PIPE, REMOVE STRIPPER RUBBER						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014			
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014			
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014			
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014			
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014			
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014			
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/31/2014			
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/31/2014			
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/31/2014			
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/31/2014			
	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/31/2014			
Directional Information									
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205					
Casing / Tubing Information									



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	

## Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

## BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		4,000	1,000	5,000		CHARLES GRAVES
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	58,680	4,200	62,880	253,120	WORK OVER RIG
70021	CONTRACT SUPERVISION	33,000	76,100	1,700	77,800	-44,800	ANDY CHRISTOPHER
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		1,861	0	1,861		
70031	EQUIPMENT RENTAL			1,000			BOP, HYDRIL, FLOWCROSS
70031	EQUIPMENT RENTAL			5,000			REVERSE UNIT
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL	350,000	165,375	7,800	173,175	176,825	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	7,200	2,400	9,600	290,400	TRANSFER FLUID
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	6,408	0	6,408	93,592	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		25,300	5,200	30,500		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,574,819	22,300	1,597,119	2,881,881	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	22,815	0	22,815	77,185	
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	8,100	2,700	10,800	44,200	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	342,837	2,700	345,537	139,463	
Total:		4,964,000	1,917,656	25,000	1,942,656	3,021,344	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-04-2014		
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBTD	RKB/RT 2,647.60	Working Int % 100.00	Report No 23	
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor CHARLES GRAVES / ANDY CHRISTOPHER		Engineer / Geologist MICHAEL LYON	
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:							
AFE Costs 4,964,000		Previous Day Cum 2,032,806		Daily Costs 11,740		Cumulative Cost 2,044,546		AFE Remaining 2,919,454	AFE % 41.19
Comment Summary 24 HR Forecast		FLOWBACK 24 HOURS, 14/64" CHK, WELL FLOWED 1,831 BLW, 39 BO, FTP - 790 PSI, SICP 1,000 PSI, LTR - 384,703 BLW FLOWBACK							
24 HR Operational Comments									
From 12:00AM	To 12:00AM	Duration 24.00	Operation Description FLOWBACK 24 HOURS, 14/64" CHK, WELL FLOWED 1,831 BLW, 39 BO, FTP - 790 PSI, SICP 1,000 PSI, LTR - 384,703 BLW						
Actual Perforations									
Date	Zone	From	To	JSPF	Phasing	Comments	Report Date		
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6	60.00		08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6	60.00		08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6	60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6	60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6	60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6	60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6	60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6	60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6	60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6	60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6	60.00		08/31/2014		
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6	60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6	60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6	60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6	60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6	60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6	60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6	60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6	60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6	60.00		08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6	60.00		08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6	60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6	60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6	60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6	60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6	60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6	60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6	60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6	60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6	60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6	60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6	60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6	60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6	60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6	60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6	60.00		08/31/2014		
Directional Information									
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205					
Casing / Tubing Information									
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method	
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface	
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68		
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59		



Daily Land - Orig Comp Report

Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		5,000	0	5,000		
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	62,880	0	62,880	253,120	
70021	CONTRACT SUPERVISION	33,000	77,800	0	77,800	-44,800	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		9,861	0	9,861		
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL	350,000	188,955	1,800	190,755	159,245	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	9,240	2,040	11,280	288,720	HAUL TO DISPOSAL
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	9,208	0	9,208	90,792	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		30,500	5,200	35,700		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,623,339	9,040	1,632,379	2,846,621	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	24,198	0	24,198	75,803	
71033	OTHER SURFACE EQUIPMENT		2,750	0	2,750		
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	70,598	2,700	73,298	-18,298	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	409,467	2,700	412,167	72,833	
Total:		4,964,000	2,032,806	11,740	2,044,546	2,919,454	





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-05-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 24
Region PERMIAN		District SE DISTRICT - TX CZ	License	Well Supervisor CHARLES GRAVES / ANDY CHRISTOPHER		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 2,044,546	Daily Costs 11,740	Cumulative Cost 2,056,286	AFE Remaining 2,907,714		AFE % 41.42	
Comment Summary 24 HR Forecast		FLOWBACK 24 HOURS, 18/64" CHK, WELL FLOWED 1,566 BLW, 91 BO, FTP - 830 PSI, SICP 1,230 PSI, LTR - 383,137 BLW FLOWBACK						
24 HR Operational Comments								
From 12:00AM	To 12:00AM	Duration 24.00	Operation Description FLOWBACK 24 HOURS, 18/64" CHK, WELL FLOWED 1,566 BLW, 91 BO, FTP - 830 PSI, SICP 1,230 PSI, LTR - 383,137 BLW					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments		Report Date	
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00			08/31/2014	
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00			08/31/2014	
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00			08/31/2014	
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00			08/31/2014	
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00			08/31/2014	
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00			08/31/2014	
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00			08/31/2014	
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00			08/31/2014	
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00			08/31/2014	
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00			08/31/2014	
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00			08/31/2014	
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00			08/31/2014	
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00			08/31/2014	
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00			08/31/2014	
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00			08/31/2014	
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00			08/31/2014	
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00			08/31/2014	
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00			08/31/2014	
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00			08/31/2014	
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00			08/31/2014	
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00			08/31/2014	
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00			08/31/2014	
Directional Information								
Initial Deviation 7,608	Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	



Daily Land - Orig Comp Report

Safety Drills

Rams	Annulars	Casing	Last BOP Test	Next BOP Test
3,000.00 (psi)	2,000.00 (psi)	6/25/2014 / 500.00 (psi)	6/25/2014	7/9/2014

BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		5,000	0	5,000		
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	62,880	0	62,880	253,120	
70021	CONTRACT SUPERVISION	33,000	77,800	0	77,800	-44,800	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		9,861	0	9,861		
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL	350,000	190,755	1,800	192,555	157,445	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	11,280	2,040	13,320	286,680	HAUL TO DISPOSAL
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	9,208	0	9,208	90,792	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		35,700	5,200	40,900		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,632,379	9,040	1,641,419	2,837,581	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	24,198	0	24,198	75,803	
71033	OTHER SURFACE EQUIPMENT		2,750	0	2,750		
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	73,298	2,700	75,998	-20,998	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	412,167	2,700	414,867	70,133	
Total:		4,964,000	2,044,546	11,740	2,056,286	2,907,714	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-06-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 25		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor RICK MADDOX		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 2,056,286		Daily Costs 11,740		Cumulative Cost 2,068,026		AFE Remaining 2,895,974		AFE % 41.66
Comment Summary 24 HR Forecast		FLOWBACK 24 HOURS, 22/64" CHK, WELL FLOWED 1,446 BLW, 90 BO, FTP - 830 PSI, SICP 1,230 PSI, LTR - 381,691 BLW FLOWBACK								
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments	Report Date				
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014				
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014				
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014				
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014				
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014				
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014				
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014				
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/31/2014				
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/31/2014				
Directional Information										
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205						
Casing / Tubing Information										
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method		
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface		
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68			
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59			
Safety Drills										
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)		Last BOP Test 6/25/2014		Next BOP Test 7/9/2014		



Daily Land - Orig Comp Report

BULKs

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		5,000	0	5,000		
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	62,880	0	62,880	253,120	
70021	CONTRACT SUPERVISION	33,000	77,800	0	77,800	-44,800	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		9,861	0	9,861		
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL	350,000	192,555	1,800	194,355	155,645	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	13,320	2,040	15,360	284,640	HAUL TO DISPOSAL
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	9,208	0	9,208	90,792	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		40,900	5,200	46,100		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,641,419	9,040	1,650,459	2,828,541	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	24,198	0	24,198	75,803	
71033	OTHER SURFACE EQUIPMENT		2,750	0	2,750		
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	75,998	2,700	78,698	-23,698	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	414,867	2,700	417,567	67,433	
Total:		4,964,000	2,056,286	11,740	2,068,026	2,895,974	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-07-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 26
Region PERMIAN		District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX			Engineer / Geologist MICHAEL LYON	
Field SPRABERRY	State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 2,068,026	Daily Costs 11,740	Cumulative Cost 2,079,766	AFE Remaining 2,884,234		AFE % 41.90	
Comment Summary 24 HR Forecast		FLOWBACK 24 HOURS, 26/64" CHK, WELL FLOWED 1733 BLW, 362 BO, 265 MCF, FTP - 590 PSI, SICP 1,510 PSI, LTR - 379,958 BLW FLOWBACK						
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014		
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/31/2014		
Directional Information								
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	
Safety Drills								
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)	Casing 6/25/2014 / 500.00 (psi)	Last BOP Test 6/25/2014	Next BOP Test 7/9/2014			



Daily Land - Orig Comp Report

BULKs

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		5,000	0	5,000		
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	62,880	0	62,880	253,120	
70021	CONTRACT SUPERVISION	33,000	77,800	0	77,800	-44,800	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		9,861	0	9,861		
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL	350,000	194,355	1,800	196,155	153,845	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	15,360	2,040	17,400	282,600	HAUL TO DISPOSAL
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	9,208	0	9,208	90,792	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		46,100	5,200	51,300		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,650,459	9,040	1,659,499	2,819,501	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	24,198	0	24,198	75,803	
71033	OTHER SURFACE EQUIPMENT		2,750	0	2,750		
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	78,698	2,700	81,398	-26,398	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	417,567	2,700	420,267	64,733	
Total:		4,964,000	2,068,026	11,740	2,079,766	2,884,234	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-08-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 27
Region PERMIAN		District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX			Engineer / Geologist MICHAEL LYON	
Field SPRABERRY	State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 2,079,766	Daily Costs 11,740	Cumulative Cost 2,091,506	AFE Remaining 2,872,494		AFE % 42.13	
Comment Summary 24 HR Forecast		FLOWBACK 24 HOURS, 23/64" CHK, WELL FLOWED 1460 BLW, 325 BO, 227 MCF, FTP - 700 PSI, SICP 1,650 PSI, LTR - 378,498 BLW FLOWBACK						
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014		
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08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014		
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08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014		
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Directional Information								
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	
Safety Drills								
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)	Casing 6/25/2014 / 500.00 (psi)	Last BOP Test 6/25/2014	Next BOP Test 7/9/2014			



Daily Land - Orig Comp Report

BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		5,000	0	5,000		
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	62,880	0	62,880	253,120	
70021	CONTRACT SUPERVISION	33,000	77,800	0	77,800	-44,800	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		9,861	0	9,861		
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL	350,000	196,155	1,800	197,955	152,045	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	17,400	2,040	19,440	280,560	HAUL TO DISPOSAL
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	9,208	0	9,208	90,792	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		51,300	5,200	56,500		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,659,499	9,040	1,668,539	2,810,461	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	24,198	0	24,198	75,803	
71033	OTHER SURFACE EQUIPMENT		2,750	0	2,750		
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	81,398	2,700	84,098	-29,098	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	420,267	2,700	422,967	62,033	
Total:		4,964,000	2,079,766	11,740	2,091,506	2,872,494	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-09-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 28
Region PERMIAN		District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX			Engineer / Geologist MICHAEL LYON	
Field SPRABERRY	State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 2,091,506	Daily Costs 11,740	Cumulative Cost 2,103,246	AFE Remaining 2,860,754	AFE % 42.37		
Comment Summary 24 HR Forecast		FLOWBACK 24 HOURS, 23/64" CHK, WELL FLOWED 1371 BLW, 278 BO, 258 MCF, FTP - 665 PSI, SICP 1573 PSI, LTR - 377,127 BLW FLOWBACK						
Actual Perforations								
Date	Zone		From	To	JSPF Phasing	Comments		Report Date
08/30/2014	UPPER WOLFCAMP CARBONATE		6,913	9,767.00	6 60.00			08/31/2014
09/01/2014	UPPER WOLFCAMP CARBONATE		8,213	8,365.00	6 60.00			08/31/2014
09/01/2014	UPPER WOLFCAMP CARBONATE		8,413	8,565.00	6 60.00			08/31/2014
08/31/2014	UPPER WOLFCAMP CARBONATE		8,613	8,765.00	6 60.00			08/31/2014
08/31/2014	UPPER WOLFCAMP CARBONATE		8,813	8,965.00	6 60.00			08/31/2014
08/31/2014	UPPER WOLFCAMP CARBONATE		9,163	9,019.00	6 60.00			08/31/2014
08/31/2014	UPPER WOLFCAMP CARBONATE		9,213	9,365.00	6 60.00			08/31/2014
08/31/2014	UPPER WOLFCAMP CARBONATE		9,413	9,565.00	6 60.00			08/31/2014
08/30/2014	UPPER WOLFCAMP CARBONATE		9,813	9,965.00	6 60.00			08/31/2014
08/30/2014	UPPER WOLFCAMP CARBONATE		10,011	10,160.00	6 60.00			08/31/2014
08/30/2014	UPPER WOLFCAMP CARBONATE		10,213	10,365.00	6 60.00			08/31/2014
08/29/2014	UPPER WOLFCAMP CARBONATE		10,417	10,565.00	6 60.00			08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE		10,613	10,765.00	6 60.00			08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE		10,813	10,970.00	6 60.00			08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE		11,013	11,165.00	6 60.00			08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE		11,214	11,365.00	6 60.00			08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE		11,413	11,565.00	6 60.00			08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE		11,613	11,765.00	6 60.00			08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE		11,813	11,966.00	6 60.00			08/31/2014
08/28/2014	UPPER WOLFCAMP CARBONATE		12,013	12,165.00	6 60.00			08/31/2014
08/27/2014	UPPER WOLFCAMP CARBONATE		12,213	12,365.00	6 60.00			08/31/2014
08/27/2014	UPPER WOLFCAMP CARBONATE		12,413	12,565.00	6 60.00			08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE		12,613	12,765.00	6 60.00			08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE		12,815	12,965.00	6 60.00			08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE		13,013	13,165.00	6 60.00			08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE		13,210	13,365.00	6 60.00			08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE		13,413	13,565.00	6 60.00			08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE		13,613	13,765.00	6 60.00			08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE		13,813	13,963.00	6 60.00			08/31/2014
08/26/2014	UPPER WOLFCAMP CARBONATE		14,013	14,165.00	6 60.00			08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE		14,216	14,365.00	6 60.00			08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE		14,413	14,565.00	6 60.00			08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE		14,613	14,765.00	6 60.00			08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE		14,813	14,965.00	6 60.00			08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE		15,013	15,165.00	6 60.00			08/31/2014
08/25/2014	UPPER WOLFCAMP CARBONATE		15,213	15,365.00	6 60.00			08/31/2014
Directional Information								
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	
Safety Drills								
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)		Last BOP Test 6/25/2014		Next BOP Test 7/9/2014



Daily Land - Orig Comp Report

BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		5,000	0	5,000		
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	62,880	0	62,880	253,120	
70021	CONTRACT SUPERVISION	33,000	77,800	0	77,800	-44,800	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		9,861	0	9,861		
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL	350,000	197,955	1,800	199,755	150,245	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	19,440	2,040	21,480	278,520	HAUL TO DISPOSAL
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	9,208	0	9,208	90,792	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		56,500	5,200	61,700		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,668,539	9,040	1,677,579	2,801,421	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	24,198	0	24,198	75,803	
71033	OTHER SURFACE EQUIPMENT		2,750	0	2,750		
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	84,098	2,700	86,798	-31,798	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	422,967	2,700	425,667	59,333	
Total:		4,964,000	2,091,506	11,740	2,103,246	2,860,754	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-10-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 29		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor RICK MADDOX		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 2,103,246		Daily Costs 11,740		Cumulative Cost 2,114,986		AFE Remaining 2,849,014		AFE % 42.61
Comment Summary 24 HR Forecast		FLOWBACK 24 HOURS, 23/64" CHK, WELL FLOWED 1380 BLW, 357 BO, 243 MCF, FTP - 655 PSI, SICP 1535 PSI, LTR - 375,747 BLW FLOWBACK								
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments	Report Date				
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014				
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014				
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014				
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014				
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014				
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014				
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014				
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/31/2014				
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/31/2014				
Directional Information										
Initial Deviation 7,608		Max Dev 91.4deg at 14,356			Max Dogleg 16.7 deg at 8,205					
Casing / Tubing Information										
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method		
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface		
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68			
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59			
Safety Drills										
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)		Last BOP Test 6/25/2014		Next BOP Test 7/9/2014		





Daily Land - Orig Comp Report

BULKs

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		5,000	0	5,000		
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	62,880	0	62,880	253,120	
70021	CONTRACT SUPERVISION	33,000	77,800	0	77,800	-44,800	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		9,861	0	9,861		
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			500			SAND X
70031	EQUIPMENT RENTAL			1,000			FRAC TANKS
70031	EQUIPMENT RENTAL	350,000	199,755	1,800	201,555	148,445	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	21,480	2,040	23,520	276,480	HAUL TO DISPOSAL
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	9,208	0	9,208	90,792	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		61,700	5,200	66,900		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,677,579	9,040	1,686,619	2,792,381	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	24,198	0	24,198	75,803	
71033	OTHER SURFACE EQUIPMENT		2,750	0	2,750		
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	86,798	2,700	89,498	-34,498	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	425,667	2,700	428,367	56,633	
Total:		4,964,000	2,103,246	11,740	2,114,986	2,849,014	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-11-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 30
Region PERMIAN		District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX			Engineer / Geologist MICHAEL LYON	
Field SPRABERRY	State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 2,114,986	Daily Costs 3,500	Cumulative Cost 2,118,486	AFE Remaining 2,845,514		AFE % 42.68	
Comment Summary 24 HR Forecast		FLOWBACK 24 HOURS, 23/64" CHK, WELL FLOWED 1384 BLW, 271 BO, 257 MCF, FTP - 640 PSI, SICP 1499 PSI, LTR - 374,363 BLW						
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014		
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014		
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014		
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014		
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014		
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/31/2014		
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/31/2014		
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/31/2014		
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/31/2014		
Directional Information								
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	
Safety Drills								
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)	Casing 6/25/2014 / 500.00 (psi)	Last BOP Test 6/25/2014	Next BOP Test 7/9/2014			



Daily Land - Orig Comp Report

BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		5,000	0	5,000		
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	62,880	0	62,880	253,120	
70021	CONTRACT SUPERVISION	33,000	77,800	0	77,800	-44,800	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		9,861	0	9,861		
70031	EQUIPMENT RENTAL			0			FRAC TANKS
70031	EQUIPMENT RENTAL			300			LIGHT TOWER
70031	EQUIPMENT RENTAL			0			SAND X
70031	EQUIPMENT RENTAL	350,000	201,555	300	201,855	148,145	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	23,520	0	23,520	276,480	HAUL TO DISPOSAL
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	9,208	0	9,208	90,792	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		66,900	3,200	70,100		FLOWBACK
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,686,619	3,500	1,690,119	2,788,881	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	24,198	0	24,198	75,803	
71033	OTHER SURFACE EQUIPMENT		2,750	0	2,750		
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	89,498	0	89,498	-34,498	WORK STRING
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	428,367	0	428,367	56,633	
Total:		4,964,000	2,114,986	3,500	2,118,486	2,845,514	



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-13-2014			
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 32		
Region PERMIAN		District SE DISTRICT - TX CZ		License		Well Supervisor RICK MADDOX		Engineer / Geologist MICHAEL LYON		
Field SPRABERRY		State		County		Event Code LCM		Event Type LAND-ORIG COMP		Objective
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: 11-13-0422-CP		AFE Description:								
AFE Costs 4,964,000		Previous Day Cum 2,118,486		Daily Costs		Cumulative Cost		AFE Remaining		AFE %
Comment Summary 24 HR Forecast		FLOWBACK 24 HOURS, 23/64" CHK, WELL FLOWED 1375 BLW, 327 BO, 210 MCF, FTP - 612 PSI, SICP 1437 PSI, LTR - 371,613 BLW FLOWBACK								
Actual Perforations										
Date	Zone	From	To	JSPF Phasing	Comments	Report Date				
08/30/2014	UPPER WOLFCAMP CARBONATE	6,913	9,767.00	6 60.00		08/31/2014				
09/01/2014	UPPER WOLFCAMP CARBONATE	8,213	8,365.00	6 60.00		08/31/2014				
09/01/2014	UPPER WOLFCAMP CARBONATE	8,413	8,565.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	8,613	8,765.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	8,813	8,965.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	9,163	9,019.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	9,213	9,365.00	6 60.00		08/31/2014				
08/31/2014	UPPER WOLFCAMP CARBONATE	9,413	9,565.00	6 60.00		08/31/2014				
08/30/2014	UPPER WOLFCAMP CARBONATE	9,813	9,965.00	6 60.00		08/31/2014				
08/30/2014	UPPER WOLFCAMP CARBONATE	10,011	10,160.00	6 60.00		08/31/2014				
08/30/2014	UPPER WOLFCAMP CARBONATE	10,213	10,365.00	6 60.00		08/31/2014				
08/29/2014	UPPER WOLFCAMP CARBONATE	10,417	10,565.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	10,613	10,765.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	10,813	10,970.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,013	11,165.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,214	11,365.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,413	11,565.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,613	11,765.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	11,813	11,966.00	6 60.00		08/31/2014				
08/28/2014	UPPER WOLFCAMP CARBONATE	12,013	12,165.00	6 60.00		08/31/2014				
08/27/2014	UPPER WOLFCAMP CARBONATE	12,213	12,365.00	6 60.00		08/31/2014				
08/27/2014	UPPER WOLFCAMP CARBONATE	12,413	12,565.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	12,613	12,765.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	12,815	12,965.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,013	13,165.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,210	13,365.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,413	13,565.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,613	13,765.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	13,813	13,963.00	6 60.00		08/31/2014				
08/26/2014	UPPER WOLFCAMP CARBONATE	14,013	14,165.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,216	14,365.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,413	14,565.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,613	14,765.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	14,813	14,965.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	15,013	15,165.00	6 60.00		08/31/2014				
08/25/2014	UPPER WOLFCAMP CARBONATE	15,213	15,365.00	6 60.00		08/31/2014				
Directional Information										
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205						
Casing / Tubing Information										
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method		
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface		
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68			
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59			
Safety Drills										
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)		Last BOP Test 6/25/2014		Next BOP Test 7/9/2014		



Daily Land - Orig Comp Report

BULKS

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		5,000	0	5,000		
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	62,880	0	62,880	253,120	
70021	CONTRACT SUPERVISION	33,000	77,800	0	77,800	-44,800	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		9,861	0	9,861		
70031	EQUIPMENT RENTAL	350,000	201,855	0	201,855	148,145	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	23,520	0	23,520	276,480	
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	9,208	0	9,208	90,792	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		70,100	0	70,100		
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,690,119		1,690,119	2,788,881	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	24,198	0	24,198	75,803	
71033	OTHER SURFACE EQUIPMENT		2,750	0	2,750		
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	89,498	0	89,498	-34,498	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	428,367		428,367	56,633	
Total:		4,964,000	2,118,486		2,118,486		





## APACHE CORPORATION

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## Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 2505 2HU							DATE 10-14-2014	
Operator APACHE CORPORATION		API 4238338545	GL 2,619.00	TMD 15,483.00	PBDT	RKB/RT 2,647.60	Working Int % 100.00	Report No 33
Region PERMIAN		District SE DISTRICT - TX CZ	License	Well Supervisor RICK MADDOX			Engineer / Geologist MICHAEL LYON	
Field SPRABERRY	State	County		Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: 11-13-0422-CP		AFE Description:						
AFE Costs 4,964,000		Previous Day Cum 2,118,486	Daily Costs	Cumulative Cost	AFE Remaining		AFE %	
Comment Summary 24 HR Forecast		FLOWBACK 24 HOURS, 23/64" CHK, WELL FLOWED 1268 BLW, 337 BO, 259 MCF, FTP - 576 PSI, SICP 1372 PSI, LTR - 370,345 BLW FLOWBACK, FINAL REPORT, WELL FLOWING TO BATTERY, RELEASED FLOWBACK HANDS						
Actual Perforations								
Date	Zone		From	To	JSPF Phasing	Comments		Report Date
08/30/2014	UPPER WOLFCAMP CARBONATE		6,913	9,767.00	6 60.00			08/31/2014
09/01/2014	UPPER WOLFCAMP CARBONATE		8,213	8,365.00	6 60.00			08/31/2014
09/01/2014	UPPER WOLFCAMP CARBONATE		8,413	8,565.00	6 60.00			08/31/2014
08/31/2014	UPPER WOLFCAMP CARBONATE		8,613	8,765.00	6 60.00			08/31/2014
08/31/2014	UPPER WOLFCAMP CARBONATE		8,813	8,965.00	6 60.00			08/31/2014
08/31/2014	UPPER WOLFCAMP CARBONATE		9,163	9,019.00	6 60.00			08/31/2014
08/31/2014	UPPER WOLFCAMP CARBONATE		9,213	9,365.00	6 60.00			08/31/2014
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08/28/2014	UPPER WOLFCAMP CARBONATE		10,613	10,765.00	6 60.00			08/31/2014
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08/25/2014	UPPER WOLFCAMP CARBONATE		15,213	15,365.00	6 60.00			08/31/2014
Directional Information								
Initial Deviation 7,608		Max Dev 91.4deg at 14,356		Max Dogleg 16.7 deg at 8,205				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	48	H-40	535.03	550	28.60	-2,112.62	Returns at Surface
INTERMEDIATE 1	9.63	40	J-55, N-80	7,450.00	1,440		4,801.68	
PRODUCTION 1	5.50	20	HCP-110, 13CR-110 (XH)	15,478.69			5,365.59	
Safety Drills								
Rams 3,000.00 (psi)		Annulars 2,000.00 (psi)		Casing 6/25/2014 / 500.00 (psi)		Last BOP Test 6/25/2014		Next BOP Test 7/9/2014



Daily Land - Orig Comp Report

BULKs

Product	QTY
	0.0
SPRAYBERRY MUD	0.0
DIESEL, MUD	72.0
DIESEL, RIG FUEL	1,677.0
OIL BASE MUD	393.0



## APACHE CORPORATION

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## Daily Land - Orig Comp Report

## Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	30,000	0	0	0	30,000	
70006	CEMENT AND CEMENTING SERVICES	110,000	87,561	0	87,561	22,439	
70009	COMPANY LABOR	20,000	7,036	0	7,036	12,964	
70011	COMPANY SUPERVISION		5,000	0	5,000		
70017	CONTRACT LABOR	300,000	37,885	0	37,885	262,115	
70019	CONTRACT DRILLING-DAY/TURNKEY	316,000	62,880	0	62,880	253,120	
70021	CONTRACT SUPERVISION	33,000	77,800	0	77,800	-44,800	
70022	DIRECTIONAL DRILLING		0	0	0		
70025	DRILLING FLUIDS		9,861	0	9,861		
70031	EQUIPMENT RENTAL	350,000	201,855	0	201,855	148,145	
70034	FORMATION STIMULATION	2,400,000	543,077	0	543,077	1,856,923	
70037	FUEL AND POWER		355	0	355		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70049	LOGGING	215,000	287,827	0	287,827	-72,827	
70052	NON-OPERATED INTANGIBLE COSTS		250	0	250		
70067	SALT WATER DISPOSAL	300,000	23,520	0	23,520	276,480	
70069	SNUBBING/COIL TUBING UNIT		124,272	0	124,272		
70074	TRUCKING AND HAULING	100,000	9,208	0	9,208	90,792	
70076	TUBULAR INSPECTION/TESTING	5,000	1,531	0	1,531	3,469	
70077	WATER	300,000	130,000	0	130,000	170,000	
70186	FLOWBACK TESTER		70,100	0	70,100		
70187	PUMP TRUCK SERVICE		10,100	0	10,100		
Total Intangible Cost		4,479,000	1,690,119		1,690,119	2,788,881	
71032	OTHER SUBSURFACE EQUIPMENT	100,000	24,198	0	24,198	75,803	
71033	OTHER SURFACE EQUIPMENT		2,750	0	2,750		
71040	PRODUCTION CASING	315,000	311,922	0	311,922	3,078	
71053	TUBING	55,000	89,498	0	89,498	-34,498	
71056	WELLHEAD ASSEMBLY	15,000	0	0	0	15,000	
Total Tangible Cost		485,000	428,367		428,367	56,633	
Total:		4,964,000	2,118,486		2,118,486		