



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 07-23-2013	
Operator APACHE CORPORATION		API 4210336135	GL 2,513.00	TMD	PBTB	RKB/RT 2,530.00	Working Int % 100.00	Report No 1
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor ROY SMYERS			Engineer / Geologist SEAN MURRAY	
Field BLOCK 31		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective EQUIPMENT COST	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-13-0329-E		AFE Description: EQUIPMENT COST						
AFE Costs 248,000		Previous Day Cum 0	Daily Costs 150,000	Cumulative Cost 150,000	AFE Remaining 98,000		AFE % 60.48	
Comment Summary 24 HR Forecast		SET AMPSCOT 640-365-168 PUMPING UNIT. PREP FOR RIG UP. WOSU.						
24 HR Operational Comments								
From 07:00AM	To 07:00PM	Duration 12.00	Operation Description LEVEL LOC, PLUMB IN SURFACE & INTERMEDIATE CSG TO SURFACE, SET ANCHORS. INSTALLED POWER POLES AND PRIMARY LINE, HUNG TRANSFORMERS, DITCHED AND LAYED SERVICE, LAYED FLOWLINE. DELIVERED & SET AMPSCOT 640-368-168 PUMPING UNIT. SDON					
Directional Information								
Initial Deviation 3,908	Max Dev 8.4deg at 8,351		Max Dogleg 6.2 deg at 8,668					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	56.00			-2,474.00	
SURFACE	13.38	48	H-40	957.00	815	17.00	-1,573.03	Returns at Surface
INTERMEDIATE 1	8.63	32	J-55, K-55	3,715.00	1,045	17.00	1,184.51	Returns at Surface
PRODUCTION 1	5.50	17	L-80, L80, L-80 KSI	9,135.58			7,832.33	



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Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
71001	ARTIFICIAL LIFT	130,000	0	110,000	110,000	20,000	WEATHERFORD
71012	FLOWLINES TO BATTERY	20,000	0	20,000	20,000	0	
71033	OTHER SURFACE EQUIPMENT	40,000	0	7,000	7,000	33,000	WILSON
71039	PRIME MOVER	8,000	0	7,000	7,000	1,000	
71043	PUMPS	8,000	0	6,000	6,000	2,000	
71046	SEPARATORS	27,000	0	0	0	27,000	
71051	TANK BATTERY	15,000	0	0	0	15,000	
Total Tangible Cost		248,000	0	150,000	150,000	98,000	
Total:		248,000	0	150,000	150,000	98,000	



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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 07-25-2013										
Operator APACHE CORPORATION		API 4210336135		GL 2,513.00		TMD 9,135.00		PBDT		RKB/RT 2,530.00		Working Int % 100.00		Report No 4			
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor HARRY GRYDER				Engineer / Geologist SEAN MURRAY							
Field BLOCK 31		State		County		Event Code LCM		Event Type LAND-ORIG COMP				Objective					
RIG Name SIDEWINDER 215 /				RIG PHONE NO 281-366-0223		RIG Fax No				Tool Pusher DOUG BESSIRE							
AFE #: PA-13-0329-C		AFE Description:															
AFE Costs 999,220		Previous Day Cum 250,369		Daily Costs 56,247		Cumulative Cost 306,616		AFE Remaining 692,604		AFE % 30.69							
Comment Summary		MIRUSU. DEL & RACK 276JTS 2 7/8" L-80 TBG. RU REV UNIT. ND WELL HEAD & NU BOP. PU 1 - 4 3/4" BIT, 6 - 3 1/2" DC'S, & TIH W/BHA & 85JTS 2 7/8" EUE8RD L-80 TBG. SECURED WELL. SDON PREP TO TIH & DO DV TOOL, CIR CLEAN HOLE															
24 HR Forecast																	
24 HR Operational Comments																	
From 11:00AM		To 07:00PM		Duration 8.00		Operation Description MIRUSU. DEL & RACK 276JTS 2 7/8" L-80 TBG. RU REV UNIT. ND WELL HEAD & NU BOP. PU 1 - 4 3/4" BIT, 6 - 3 1/2" DC'S, & TIH W/BHA & 85JTS 2 7/8" EUE8RD L-80 TBG. SECURED WELL. SDON											
Directional Information																	
Initial Deviation 3,908		Max Dev 8.4deg at 8,351				Max Dogleg 6.2 deg at 8,668											
Casing / Tubing Information																	
Description		Size		Weight		Grade		Depth		Sacks		CMT Top		Packer / SN		TOC Method	
CONDUCTOR		20.00		94		H-40		56.00						-2,474.00			
SURFACE		13.38		48		H-40		957.00		815		17.00		-1,573.03		Returns at Surface	
INTERMEDIATE 1		8.63		32		J-55, K-55		3,715.00		1,045		17.00		1,184.51		Returns at Surface	
PRODUCTION 1		5.50		17		L-80, L80, L-80 KSI		9,135.58						7,832.33			
BULKS																	
Product								QTY									
DIESEL, RIG FUEL								0.0									
								860.0									



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	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	0	500	500	5,500	
70017	CONTRACT LABOR	20,000	0	1,100	1,100	18,900	CAGLE FISHING TOOL
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	33,583	2,440	36,023	24,977	MASA WELL SERVICE
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	6,911	2,440	9,351	20,649	BOP/ TEST TK /RIG MATS/ ETC
70034	FORMATION STIMULATION	350,000	0	0	0	350,000	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	0	0	0	30,000	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING			2,400			PRADON HOT SHOT
70074	TRUCKING AND HAULING			332			TREY TRK
70074	TRUCKING AND HAULING	20,000	0	2,732	2,732	17,268	
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	94,047	9,212	103,259	596,961	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	0	0	0	50,000	
71053	TUBING	54,000	0	47,035	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	156,322	47,035	203,357	95,643	
Total:		999,220	250,369	56,247	306,616	692,604	



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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 07-26-2013		
Operator APACHE CORPORATION		API 4210336135	GL 2,513.00	TMD 9,135.00	PBTD	RKB/RT 2,530.00	Working Int % 100.00	Report No 5	
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor HARRY GRyder		Engineer / Geologist SEAN MURRAY	
Field BLOCK 31		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective
RIG Name SIDEWINDER 215 /				RIG PHONE NO 281-366-0223		RIG Fax No		Tool Pusher DOUG BESSIRE	
AFE #: PA-13-0329-C		AFE Description:							
AFE Costs 999,220		Previous Day Cum 306,616		Daily Costs 9,990		Cumulative Cost 316,606		AFE Remaining 682,614	AFE % 31.69
Comment Summary 24 HR Forecast		PU NEW 2 7/8" TBG & TIH W/187JTS. DO DV TOOL & TAG PBTD @9105'. CIR HOLE CLEAN W/200 BBLS 2% KCL. TOH W/TBG, STANDING BACK. LD BHA. RD REV UNIT. SECURED WELL. SD OVER WEEKEND. LOG & PERF DEVONIAN.							
24 HR Operational Comments									
From 07:00AM	To 08:30PM	Duration 13.50	Operation Description OPEN BOP, TIH W/ BIT & BHA PICKING UP 187JTS NEW 2 7/8" L-80 TBG. TAG PBTD 9105'. PU & CIRCULATED 200 BBL 2% KCL FOR CLEAN UP. TOH W/ TBG, STANDING BACK. LD BIT & DC. RELEASED REV UNIT, SECURED WELL. SD OVER WEEKEND						
Directional Information									
Initial Deviation 3,908		Max Dev 8.4deg at 8,351			Max Dogleg 6.2 deg at 8,668				
Casing / Tubing Information									
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method	
CONDUCTOR	20.00	94	H-40	56.00			-2,474.00		
SURFACE	13.38	48	H-40	957.00	815	17.00	-1,573.03	Returns at Surface	
INTERMEDIATE 1	8.63	32	J-55, K-55	3,715.00	1,045	17.00	1,184.51	Returns at Surface	
PRODUCTION 1	5.50	17	L-80, L80, L-80 KSI	9,135.58			7,832.33		
BULKS									
Product				QTY					
DIESEL, RIG FUEL				0.0					
				860.0					



APACHE CORPORATION

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Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	500	500	1,000	5,000	
70017	CONTRACT LABOR	20,000	1,100	3,700	4,800	15,200	CAGLE FISHING TOOL
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	36,023	4,350	40,373	20,627	MASA WELL SERVICE
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	9,351	540	9,891	20,109	BOP/ TEST TK /RIG MATS/ ETC
70034	FORMATION STIMULATION	350,000	0	0	0	350,000	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	0	0	0	30,000	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	2,732	900	3,632	16,368	TREY TRK
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	103,259	9,990	113,249	586,971	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	0	0	0	50,000	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	203,357		203,357	95,643	
Total:		999,220	306,616	9,990	316,606	682,614	



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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 07-29-2013	
Operator APACHE CORPORATION		API 4210336135	GL 2,513.00	TMD 9,135.00	PBTD 9,079.00	RKB/RT 2,530.00	Working Int % 100.00	Report No 6
Region PERMIAN		District NOTREES - TX CZ	License		Well Supervisor HARRY GRyder		Engineer / Geologist SEAN MURRAY	
Field BLOCK 31		State		County	Event Code LCM	Event Type LAND-ORIG COMP		Objective
RIG Name SIDEWINDER 215 /				RIG PHONE NO 281-366-0223	RIG Fax No		Tool Pusher DOUG BESSIRE	
AFE #: PA-13-0329-C		AFE Description:						
AFE Costs 999,220		Previous Day Cum 316,606		Daily Costs 22,903	Cumulative Cost 339,509	AFE Remaining 659,711		AFE % 33.98
Comment Summary		RU WIRE LINE. RIH W/GR-CBL-CCL TOOL TO 9105'. PULL CORRELATION STRIP ACROSS DEVONIAN. PERF 8722'-8801'. RD WIRELINE. PU 5 1/2" ARROWSET 1X PKR & TIH W/PKR & 269JTS 2 7/8" L-80 TBG. LEFT PKR SWINGING. SDON						
24 HR Forecast		PREP TO ACIDIZE DEVONIAN W/5000 GALS 15% NEFE, W/BALL SEALERS, & F/B OR SWAB						
24 HR Operational Comments								
From 07:00AM	To 05:00PM	Duration 10.00	Operation Description RU CORNELL W/L. RIH W GR-CBL-CCL TOOL TO PBTD 9079.00'. PULLED REPEAT CORRELATION STRIP ACROSS DEVONIAN. RU PUMP TRK, PSI CSG 1000#. POH & LD LOGGING TOOL. PU & RIH W/ 3 1/8" EXPENDABLE CSG GUN. UNDER FULL LUB PERFORATED THE DEVONIAN 8722'-8801' 6 JSPF @ 60 DEGREE PHASING W/ CONNEX EHD CHARGES, (.54" DIA, 79' GROSS INTERVAL, 15' NET INTERVAL, 90 HOLES), IN 1 RUN, RDWL. TIH W/5 1/2" ARROWSET 1X TREATING PKR & 269JTS 2 7/8" L-80 TBG. LEFT PKR SWINGING. SECURED WELL. SDON					
Directional Information								
Initial Deviation 3,908	Max Dev 8.4deg at 8,351			Max Dogleg 6.2 deg at 8,668				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	56.00			-2,474.00	
SURFACE	13.38	48	H-40	957.00	815	17.00	-1,573.03	Returns at Surface
INTERMEDIATE 1	8.63	32	J-55, K-55	3,715.00	1,045	17.00	1,184.51	Returns at Surface
PRODUCTION 1	5.50	17	L-80, L80, L-80 KSI	9,135.58			7,832.33	
BULKS								
Product				QTY				
DIESEL, RIG FUEL				0.0				
				860.0				



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	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	1,000	500	1,500	4,500	
70017	CONTRACT LABOR	20,000	4,800	1,916	6,716	13,284	C & C PKR
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	40,373	3,355	43,728	17,272	MASA WELL SERVICE
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	9,891	630	10,521	19,479	BOP/ TEST TK /RIG MATS/ ETC
70034	FORMATION STIMULATION	350,000	0	0	0	350,000	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	0	15,293	15,293	14,707	CORNELL WIRELINE
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	3,632	1,209	4,841	15,159	TREY TRK
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	113,249	22,903	136,152	564,068	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	0	0	0	50,000	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	203,357		203,357	95,643	
Total:		999,220	316,606	22,903	339,509	659,711	



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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 07-30-2013	
Operator APACHE CORPORATION		API 4210336135	GL 2,513.00	TMD 9,135.00	PBD 9,079.00	RKB/RT 2,530.00	Working Int % 100.00	Report No 7
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor HARRY GRyder			Engineer / Geologist SEAN MURRAY	
Field BLOCK 31		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name SIDEWINDER 215 /			RIG PHONE NO 281-366-0223		RIG Fax No		Tool Pusher DOUG BESSIRE	
AFE #: PA-13-0329-C		AFE Description:						
AFE Costs 999,220		Previous Day Cum 339,509	Daily Costs 19,241	Cumulative Cost 358,750	AFE Remaining 640,470		AFE % 35.90	
Comment Summary 24 HR Forecast		RU CUDD. ACIDIZE DEVONIAN, 8722' - 8801', W/4000 GAL 15% NEFE HCL. DROPPED 150, 7/8" x 1.3 SG BALLS FOR SEALERS, BALLED OUT W/119 BALLS ON. RD CUDD. F/B & SWAB BACK 61 BBLs LOAD. LD SWAB & SECURED WELL. SDON. LTR=140 BBLs PREP TO CONTINUE F/B & SWAB, TOH W/TBG & PKR, & NU FRAC VALVE						
24 HR Operational Comments								
From 07:00AM	To 05:00PM	Duration 10.00	Operation Description RU CUDD SERVICES, BROKE CIRC, SPOT ACID ACROSS DEVONIAN 8722'-8801'. PUH SET PKR @ 8612', LOADED BS, TESTED LINES. ACIDIZED THE DEVONIAN W/ 4000 GAL 15% NEFE HCL @ 7 BPM, (PERFS BROKE @ 3100#), DROPPING - 150, 7/8" X 1.3 SG BALL SEALERS FOR DIVERSION , BALLED OUT W/ 119 BALLS ON FORMATION. FLUSHED TO BOTTOM PERF W/ 55 BBL 2% KCL. ISIP= 2034#, 5MIN= 1803#, 10 MIN= 1687#, 15 MIN= 1641#. PMAX= 6000#, PMIN= 3190#, AVG RATE = 4.6 BPM, AVG PSI= 3263#. LTR= 106 BBL. RD CUDD SI 1 HR. OPEN WELL FOR F/B PSI @ 1350#. PU SWAB RIH IFL= SURFACE, RECOVERED 61 BLW, ACID GAS, & SOUR GAS. NO OIL CUT, ONLY H2O. LD SWAB, INSTALLED GAUGE IN TBG. SECURED WELL. SDON. LTR= 140 BBL.					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments		Report Date	
07/30/2013	DEVONIAN	8,722	8,724.00	6 60.00	12 HOLES		07/30/2013	
07/30/2013	DEVONIAN	8,728	8,730.00	6 60.00	12 HOLES		07/30/2013	
07/30/2013	DEVONIAN	8,788	8,794.00	6 60.00	36 HOLES		07/30/2013	
07/30/2013	DEVONIAN	8,796	8,801.00	6 60.00	30 HOLES		07/30/2013	
Stimulation								
Date 07/30/2013	Type Acid	Contractor CUDD						
Number 1	Top(ft) 8,722.00	Base(ft) 8,801.00	Zone Devonian	Diversion Type Ball Sealers				
Fluid 15% Acid	Volume 95.00	Avg. Rate 4.60	Max Rate 7.20	Avg. Press 3,263.00	Max Press 6,000.00	Proppant Type	Proppant Size	Weight
Directional Information								
Initial Deviation 3,908	Max Dev 8.4deg at 8,351		Max Dogleg 6.2 deg at 8,668					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	56.00			-2,474.00	
SURFACE	13.38	48	H-40	957.00	815	17.00	-1,573.03	Returns at Surface
INTERMEDIATE 1	8.63	32	J-55, K-55	3,715.00	1,045	17.00	1,184.51	Returns at Surface
PRODUCTION 1	5.50	17	L-80, L80, L-80 KSI	9,135.58			7,832.33	
BULKS								
Product				QTY				
DIESEL, RIG FUEL				0.0				
				860.0				



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	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	1,500	500	2,000	4,000	
70017	CONTRACT LABOR	20,000	6,716	1,325	8,041	11,959	C & C PKR
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	43,728	3,660	47,388	13,612	MASA WELL SERVICE
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	10,521	630	11,151	18,849	BOP/ TEST TK /RIG MATS/ ETC
70034	FORMATION STIMULATION	350,000	0	12,306	12,306	337,694	CUDD
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	15,293	0	15,293	14,707	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	4,841	820	5,661	14,339	TREY TRK
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	136,152	19,241	155,393	544,827	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	0	0	0	50,000	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	203,357		203,357	95,643	
Total:		999,220	339,509	19,241	358,750	640,470	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 07-31-2013										
Operator APACHE CORPORATION		API 4210336135		GL 2,513.00		TMD 9,135.00		PBT 9,079.00		RKB/RT 2,530.00		Working Int % 100.00		Report No 8			
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor HARRY GRyder				Engineer / Geologist SEAN MURRAY							
Field BLOCK 31		State		County		Event Code LCM		Event Type LAND-ORIG COMP				Objective					
RIG Name SIDEWINDER 215 /				RIG PHONE NO 281-366-0223			RIG Fax No			Tool Pusher DOUG BESSIRE							
AFE #: PA-13-0329-C		AFE Description:															
AFE Costs 999,220		Previous Day Cum 355,463		Daily Costs 13,124		Cumulative Cost 368,587		AFE Remaining 630,633		AFE % 36.89							
Comment Summary		TP= 400#. PU SWAB & MADE 10 SWAB RUNS. RECOVER 33 BBLS FLUID. LAST 2 RUNS, 50% OIL CUT. REL PKR, TOH W/TBG & PKR, STANDING BACK. ND BOP & NU 10K FRAC VALVE. SECURED WELL. SDON LTR=107															
24 HR Forecast		PREP TO FRAC DEVONIAN 8722' - 8801'															
24 HR Operational Comments																	
From 07:00AM		To 04:30PM		Duration 9.50		Operation Description TP= 400#. PU SWAB & MADE 10 SWAB RUNS. RECOVER 33 BBLS FLUID. LAST 2 RUNS, 50% OIL CUT. REL PKR, TOH W/2 7/8" L-80 TBG & PKR, STANDING BACK. LD PKR. ND BOP & NU 10K FRAC VALVE. SECURED WELL. SDON LTR=107											
Actual Perforations																	
Date		Zone		From		To		JSPF Phasing		Comments		Report Date					
07/30/2013		DEVONIAN		8,722		8,724.00		6 60.00		12 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,728		8,730.00		6 60.00		12 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,788		8,794.00		6 60.00		36 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,796		8,801.00		6 60.00		30 HOLES		07/30/2013					
Stimulation																	
Date 07/30/2013		Type Acid		Contractor CUDD													
Number 1		Top(ft) 8,722.00		Base(ft) 8,801.00		Zone Devonian		Diversion Type Ball Sealers									
Fluid 15% Acid		Volume 95.00		Avg. Rate 4.60		Max Rate 7.20		Avg. Press 3,263.00		Max Press 6,000.00		Proppant Type		Proppant Size		Weight	
Directional Information																	
Initial Deviation 3,908		Max Dev 8.4deg at 8,351				Max Dogleg 6.2 deg at 8,668											
Casing / Tubing Information																	
Description		Size		Weight		Grade		Depth		Sacks		CMT Top		Packer / SN		TOC Method	
CONDUCTOR		20.00		94		H-40		56.00						-2,474.00			
SURFACE		13.38		48		H-40		957.00		815		17.00		-1,573.03		Returns at Surface	
INTERMEDIATE 1		8.63		32		J-55, K-55		3,715.00		1,045		17.00		1,184.51		Returns at Surface	
PRODUCTION 1		5.50		17		L-80, L80, L-80 KSI		9,135.58						7,832.33			
BULKS																	
Product								QTY									
DIESEL, RIG FUEL								0.0									
								860.0									



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	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	2,000	500	2,500	3,500	
70017	CONTRACT LABOR	20,000	8,041	0	8,041	11,959	
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	47,388	3,150	50,538	10,462	MASA WELL SERVICE
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL			630			BOP/ TEST TK /RIG MATS/ ETC
70031	EQUIPMENT RENTAL			8,100			SWECO FRAC VALVE
70031	EQUIPMENT RENTAL	30,000	11,151	8,730	19,881	10,119	
70034	FORMATION STIMULATION	350,000	12,306	0	12,306	337,694	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	12,006	0	12,006	17,994	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	5,661	744	6,405	13,595	TREY TRK
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	152,106	13,124	165,230	534,990	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	0	0	0	50,000	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	203,357		203,357	95,643	
Total:		999,220	355,463	13,124	368,587	630,633	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 08-01-2013		
Operator APACHE CORPORATION		API 4210336135	GL 2,513.00	TMD 9,135.00	PBD 9,079.00	RKB/RT 2,530.00	Working Int % 100.00	Report No 9	
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor HARRY GRyder		Engineer / Geologist SEAN MURRAY			
Field BLOCK 31		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name SIDEWINDER 215 /			RIG PHONE NO 281-366-0223		RIG Fax No		Tool Pusher DOUG BESSIRE		
AFE #: PA-13-0329-C		AFE Description:							
AFE Costs 999,220		Previous Day Cum 368,642	Daily Costs 3,970	Cumulative Cost 372,612	AFE Remaining 626,608		AFE % 37.29		
Comment Summary 24 HR Forecast		INSTALL FLOW BACK LINE TO WELL HEAD. CLEAN LOCATION & PREFORM RIG MAINTANCE. PREP LOCATION FOR FRAC EQUIP RIG UP. PREP TO FRAC DEVONIAN 8722' - 8801'							
24 HR Operational Comments									
From 07:00AM	To 10:00AM	Duration 3.00	Operation Description INSTALL FLOW BACK LINE TO TEST TANK. CLEAN LOCATION & PREFORM RIG MAINTANCE. PREP LOCATION FOR FRAC EQUIP RIG UP.						
10:00AM	05:00PM	7.00	RU FRAC EQUIPMENT						
Actual Perforations									
Date 07/30/2013	Zone DEVONIAN	From 8,722	To 8,724.00	JSPF Phasing 6 60.00	Comments 12 HOLES		Report Date 07/30/2013		
07/30/2013	DEVONIAN	8,728	8,730.00	6 60.00	12 HOLES		07/30/2013		
07/30/2013	DEVONIAN	8,788	8,794.00	6 60.00	36 HOLES		07/30/2013		
07/30/2013	DEVONIAN	8,796	8,801.00	6 60.00	30 HOLES		07/30/2013		
Stimulation									
Date 07/30/2013	Type Acid	Contractor CUDD							
Number 1	Top(ft) 8,722.00	Base(ft) 8,801.00	Zone Devonian	Diversion Type Ball Sealers					
Fluid 15% Acid	Volume 95.00	Avg. Rate 4.60	Max Rate 7.20	Avg. Press 3,263.00	Max Press 6,000.00	Proppant Type		Proppant Size	Weight
Directional Information									
Initial Deviation 3,908	Max Dev 8.4deg at 8,351		Max Dogleg 6.2 deg at 8,668						
Casing / Tubing Information									
Description CONDUCTOR	Size 20.00	Weight 94	Grade H-40	Depth 56.00	Sacks	CMT Top	Packer / SN -2,474.00	TOC Method	
SURFACE	13.38	48	H-40	957.00	815	17.00	-1,573.03	Returns at Surface	
INTERMEDIATE 1	8.63	32	J-55, K-55	3,715.00	1,045	17.00	1,184.51	Returns at Surface	
PRODUCTION 1	5.50	17	L-80, L80, L-80 KSI	9,135.58			7,832.33		
BULKS									
Product DIESEL, RIG FUEL			QTY 0.0 860.0						



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	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	2,500	500	3,000	3,000	
70017	CONTRACT LABOR	20,000	8,041	400	8,441	11,559	J & J ROUSTABOUT
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	50,593	2,440	53,033	7,967	MASA WELL SERVICE
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	19,881	630	20,511	9,489	BOP/ TEST TK /RIG MATS/ ETC
70034	FORMATION STIMULATION	350,000	12,306	0	12,306	337,694	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	12,006	0	12,006	17,994	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	6,405	0	6,405	13,595	
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	165,285	3,970	169,255	530,965	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	0	0	0	50,000	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	203,357		203,357	95,643	
Total:		999,220	368,642	3,970	372,612	626,608	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 08-02-2013	
Operator APACHE CORPORATION		API 4210336135	GL 2,513.00	TMD 9,135.00	PBDT 9,079.00	RKB/RT 2,530.00	Working Int % 100.00	Report No 10
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor HARRY GRyder			Engineer / Geologist SEAN MURRAY	
Field BLOCK 31	State	County		Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name SIDEWINDER 215 /			RIG PHONE NO 281-366-0223		RIG Fax No		Tool Pusher DOUG BESSIRE	
AFE #: PA-13-0329-C		AFE Description:						
AFE Costs 999,220		Previous Day Cum 372,612		Daily Costs 113,840	Cumulative Cost 486,452	AFE Remaining 512,768	AFE % 48.68	
Comment Summary 24 HR Forecast		FRAC DEVONIAN (8722' - 8801'). FRAC W/187,700# PROP. AVG PRS=5148 PSI, AVG RATE= 89BPM, ISIP= 3904 PSI, 5 MIN= 3488 PSI, 10 MIN= 3378 PSI, & 15 MIN= 3295 PSI. RD CUDD. SECURED WELL. SI FOR SAND CURE. SD OVER WEEKEND PREP TO FLOWBACK.						
24 HR Operational Comments								
From 07:00AM	To 12:00PM	Duration 5.00	Operation Description HELD SAFETY MEETING, TESTED LINES. FRAC THE DEVONIAN 8722'-8801' DN 5 1/2" CSG @ 90 BPM W/ 164,514 GAL SLICK WATER , 20,000 # OF 100 MESH & 140,000 # OF 40/70 WHITE SAND, AND 30,000 40/70 GARNET STEPING SAND F/.25 - 1# AND 1#-3# IN 12 STAGES OF SAND & SWEEP. FLUSHED TO TOP PERF W/ 203 BBL SLICK WATER. ISIP = 3904#, 5 MIN = 3488#, 10 MIN =3378#, 15 MIN= 3295#. PMAx= 5571#, PMIN = 4807#, AVG PSI= 5148#, AVG RATE= 89 BPM. LTR= 3488 BBL. TLTR= 3595 BBL. TOTAL SAND DH= 187,700#. RD CUDD TIED IN BLEED DN LINE., LEFT WELL SI FOR SAND CURE.					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
07/30/2013	DEVONIAN	8,722	8,724.00	6 60.00	12 HOLES	07/30/2013		
07/30/2013	DEVONIAN	8,728	8,730.00	6 60.00	12 HOLES	07/30/2013		
07/30/2013	DEVONIAN	8,788	8,794.00	6 60.00	36 HOLES	07/30/2013		
07/30/2013	DEVONIAN	8,796	8,801.00	6 60.00	30 HOLES	07/30/2013		
Stimulation								
Date 07/30/2013	Type Acid	Contractor CUDD						
Number	Top(ft)	Base(ft)	Zone	Diversion Type				
1	8,722.00	8,801.00	Devonian	Ball Sealers				
Fluid	Volume	Avg. Rate	Max Rate	Avg. Press	Max Press	Proppant Type	Proppant Size	Weight
15% Acid	95.00	4.60	7.20	3,263.00	6,000.00			
Date 08/02/2013	Type Fracture	Contractor CUDD						
Number	Top(ft)	Base(ft)	Zone	Diversion Type				
1	8,722.00	8,801.00	Devonian					
Fluid	Volume	Avg. Rate	Max Rate	Avg. Press	Max Press	Proppant Type	Proppant Size	Weight
Slick Water	3,488.00	89.00	99.80	5,148.00	5,571.00	White Sand	40/70	187,700.00
Directional Information								
Initial Deviation 3,908	Max Dev 8.4deg at 8,351		Max Dogleg 6.2 deg at 8,668					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	56.00			-2,474.00	
SURFACE	13.38	48	H-40	957.00	815	17.00	-1,573.03	Returns at Surface
INTERMEDIATE 1	8.63	32	J-55, K-55	3,715.00	1,045	17.00	1,184.51	Returns at Surface
PRODUCTION 1	5.50	17	L-80, L80, L-80 KSI	9,135.58			7,832.33	
BULKS								
Product				QTY				
DIESEL, RIG FUEL				0.0				
				860.0				



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	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	3,000	500	3,500	2,500	
70017	CONTRACT LABOR	20,000	8,441	0	8,441	11,559	
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	53,033	1,830	54,863	6,137	MASA WELL SERVICE
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	20,511	630	21,141	8,859	BOP/ TEST TK /RIG MATS/ ETC
70034	FORMATION STIMULATION	350,000	12,306	110,880	123,186	226,814	CUDD
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	12,006	0	12,006	17,994	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	6,405	0	6,405	13,595	
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	169,255	113,840	283,095	417,125	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	0	0	0	50,000	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	203,357		203,357	95,643	
Total:		999,220	372,612	113,840	486,452	512,768	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 08-04-2013	
Operator APACHE CORPORATION		API 4210336135	GL 2,513.00	TMD 9,135.00	PBD 9,079.00	RKB/RT 2,530.00	Working Int % 100.00	Report No 11
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor HARRY GRyder		Engineer / Geologist SEAN MURRAY		
Field BLOCK 31		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name SIDEWINDER 215 /			RIG PHONE NO 281-366-0223		RIG Fax No		Tool Pusher DOUG BESSIRE	
AFE #: PA-13-0329-C		AFE Description:						
AFE Costs 999,220		Previous Day Cum 486,452	Daily Costs 2,960	Cumulative Cost 489,412	AFE Remaining 509,808		AFE % 48.98	
Comment Summary 24 HR Forecast		8/3/13: CP= 1020#. OPEN FOR F/B ON A 17/ 64 RECOVERED 1250 BLW OVER 24 HR PERIOD. 8/4/13: FCP= 80#, TURNED DN F/L @ 9: 00 AM. NO TEST. LTR= 2345 BBL. CONTINUE F/B.						
24 HR Operational Comments								
From 07:00AM	To 07:00AM	Duration 24.00	Operation Description 8/3/13: CP= 1020#. OPEN FOR F/B ON A 17/ 64 RECOVERED 1250 BLW OVER 24 HR PERIOD. 8/4/13: FCP= 80#, TURNED DN F/L @ 9: 00 AM. NO TEST. LTR= 2345 BBL.					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments		Report Date	
07/30/2013	DEVONIAN	8,722	8,724.00	6 60.00	12 HOLES		07/30/2013	
07/30/2013	DEVONIAN	8,728	8,730.00	6 60.00	12 HOLES		07/30/2013	
07/30/2013	DEVONIAN	8,788	8,794.00	6 60.00	36 HOLES		07/30/2013	
07/30/2013	DEVONIAN	8,796	8,801.00	6 60.00	30 HOLES		07/30/2013	
Stimulation								
Date 07/30/2013	Type Acid	Contractor CUDD						
Number 1	Top(ft) 8,722.00	Base(ft) 8,801.00	Zone Devonian	Diversion Type Ball Sealers				
Fluid 15% Acid	Volume 95.00	Avg. Rate 4.60	Max Rate 7.20	Avg. Press 3,263.00	Max Press 6,000.00	Proppant Type	Proppant Size	Weight
Date 08/02/2013	Type Fracture	Contractor CUDD						
Number 1	Top(ft) 8,722.00	Base(ft) 8,801.00	Zone Devonian	Diversion Type				
Fluid Slick Water	Volume 3,488.00	Avg. Rate 89.00	Max Rate 99.80	Avg. Press 5,148.00	Max Press 5,571.00	Proppant Type White Sand	Proppant Size 40/70	Weight 187,700.00
Directional Information								
Initial Deviation 3,908	Max Dev 8.4deg at 8,351		Max Dogleg 6.2 deg at 8,668					
Casing / Tubing Information								
Description CONDUCTOR	Size 20.00	Weight 94	Grade H-40	Depth 56.00	Sacks 815	CMT Top 17.00	Packer / SN -2,474.00	TOC Method
SURFACE	13.38	48	H-40	957.00	1,045	17.00	-1,573.03	Returns at Surface
INTERMEDIATE 1	8.63	32	J-55, K-55	3,715.00	1,045	17.00	1,184.51	Returns at Surface
PRODUCTION 1	5.50	17	L-80, L80, L-80 KSI	9,135.58			7,832.33	
BULKS								
Product DIESEL, RIG FUEL			QTY 0.0 860.0					



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	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	3,500	500	4,000	2,000	
70017	CONTRACT LABOR	20,000	8,441	0	8,441	11,559	
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	54,863	1,830	56,693	4,307	MASA WELL SERVICE
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	21,141	630	21,771	8,229	BOP/ TEST TK /RIG MATS/ ETC
70034	FORMATION STIMULATION	350,000	123,186	0	123,186	226,814	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	12,006	0	12,006	17,994	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	6,405	0	6,405	13,595	
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	283,095	2,960	286,055	414,165	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	0	0	0	50,000	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	203,357		203,357	95,643	
Total:		999,220	486,452	2,960	489,412	509,808	



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 08-05-2013	
Operator APACHE CORPORATION		API 4210336135	GL 2,513.00	TMD 9,135.00	PBDT 9,079.00	RKB/RT 2,530.00	Working Int % 100.00	Report No 12
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor HARRY GRyder		Engineer / Geologist SEAN MURRAY		
Field BLOCK 31		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name SIDEWINDER 215 /			RIG PHONE NO 281-366-0223		RIG Fax No		Tool Pusher DOUG BESSIRE	
AFE #: PA-13-0329-C		AFE Description:						
AFE Costs 999,220		Previous Day Cum 489,412	Daily Costs 4,180	Cumulative Cost 493,592	AFE Remaining 505,628		AFE % 49.40	
Comment Summary 24 HR Forecast		FCP= 150#. FLOWED BACK 66 BO, 126 BLW, 56 MCF, 24 HR. LTR= 2219 BBLS CONTINUE FLOW BACK & PREP TO RIH W/PRODUCTION EQUIPMENT						
24 HR Operational Comments								
From 07:00AM	To 05:00PM	Duration 10.00	Operation Description FCP= 150#. FLOWED BACK 66 BO, 126 BLW, 56 MCF, 24 HR. LTR= 2219 BBLS					
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments		Report Date	
07/30/2013	DEVONIAN	8,722	8,724.00	6 60.00	12 HOLES		07/30/2013	
07/30/2013	DEVONIAN	8,728	8,730.00	6 60.00	12 HOLES		07/30/2013	
07/30/2013	DEVONIAN	8,788	8,794.00	6 60.00	36 HOLES		07/30/2013	
07/30/2013	DEVONIAN	8,796	8,801.00	6 60.00	30 HOLES		07/30/2013	
Stimulation								
Date 07/30/2013	Type Acid	Contractor CUDD						
Number 1	Top(ft) 8,722.00	Base(ft) 8,801.00	Zone Devonian	Diversion Type Ball Sealers				
Fluid 15% Acid	Volume 95.00	Avg. Rate 4.60	Max Rate 7.20	Avg. Press 3,263.00	Max Press 6,000.00	Proppant Type	Proppant Size	Weight
Date 08/02/2013	Type Fracture	Contractor CUDD						
Number 1	Top(ft) 8,722.00	Base(ft) 8,801.00	Zone Devonian	Diversion Type				
Fluid Slick Water	Volume 3,488.00	Avg. Rate 89.00	Max Rate 99.80	Avg. Press 5,148.00	Max Press 5,571.00	Proppant Type White Sand	Proppant Size 40/70	Weight 187,700.00
Directional Information								
Initial Deviation 3,908	Max Dev 8.4deg at 8,351		Max Dogleg 6.2 deg at 8,668					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	56.00			-2,474.00	
SURFACE	13.38	48	H-40	957.00	815	17.00	-1,573.03	Returns at Surface
INTERMEDIATE 1	8.63	32	J-55, K-55	3,715.00	1,045	17.00	1,184.51	Returns at Surface
PRODUCTION 1	5.50	17	L-80, L80, L-80 KSI	9,135.58			7,832.33	
BULKS								
Product			QTY					
			0.0					
DIESEL, RIG FUEL			860.0					



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	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	4,000	500	4,500	1,500	
70017	CONTRACT LABOR	20,000	8,441	0	8,441	11,559	
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	56,693	3,050	59,743	1,257	MASA WELL SERVICE
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	21,771	630	22,401	7,599	BOP/ TEST TK /RIG MATS/ ETC
70034	FORMATION STIMULATION	350,000	123,186	0	123,186	226,814	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	12,006	0	12,006	17,994	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	6,405	0	6,405	13,595	
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	286,055	4,180	290,235	409,985	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	0	0	0	50,000	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	203,357		203,357	95,643	
Total:		999,220	489,412	4,180	493,592	505,628	



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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 08-06-2013										
Operator APACHE CORPORATION		API 4210336135		GL 2,513.00		TMD 9,135.00		PBDT 9,079.00		RKB/RT 2,530.00		Working Int % 100.00		Report No 13			
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor HARRY GRYDER				Engineer / Geologist SEAN MURRAY							
Field BLOCK 31		State		County		Event Code LCM		Event Type LAND-ORIG COMP			Objective						
RIG Name SIDEWINDER 215 /				RIG PHONE NO 281-366-0223			RIG Fax No			Tool Pusher DOUG BESSIRE							
AFE #: PA-13-0329-C		AFE Description:															
AFE Costs 999,220		Previous Day Cum 493,592			Daily Costs 36,863		Cumulative Cost 530,455		AFE Remaining 468,765		AFE % 53.09						
Comment Summary		33 BO 35 BW 28 MCF. CP=35 PSI. BLEED PRS OFF WELL. ND FRAC VALVE & NU BOP. TIH W/271JTS 2 7/8" EUE8RD L-80 TBG. SET TAC & ND BOP. NU WELL HEAD. DEL & RACK NEW ROD STRING. PREP RODS TO TIH. SECURED WELL SDON LTR=2184 BBLs															
24 HR Forecast																	
24 HR Operational Comments																	
From 07:00AM		To 05:00PM		Duration 10.00		Operation Description 33 BO 35 BW 28 MCF. CP=35 PSI. BLEED PRS OFF WELL. ND FRAC VALVE & NU BOP. TIH W/271JTS 2 7/8" EUE8RD L-80 TBG. SET TAC & ND BOP. NU WELL HEAD. DEL & RACK NEW ROD STRING. PREP RODS TO TIH. SECURED WELL SDON LTR=2184 BBLs											
Actual Perforations																	
Date		Zone		From		To		JSPF Phasing		Comments		Report Date					
07/30/2013		DEVONIAN		8,722		8,724.00		6 60.00		12 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,728		8,730.00		6 60.00		12 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,788		8,794.00		6 60.00		36 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,796		8,801.00		6 60.00		30 HOLES		07/30/2013					
Stimulation																	
Date 07/30/2013		Type Acid		Contractor CUDD													
Number 1		Top(ft) 8,722.00		Base(ft) 8,801.00		Zone Devonian		Diversion Type Ball Sealers									
Fluid 15% Acid		Volume 95.00		Avg. Rate 4.60		Max Rate 7.20		Avg. Press 3,263.00		Max Press 6,000.00		Proppant Type		Proppant Size		Weight	
Date 08/02/2013		Type Fracture		Contractor CUDD													
Number 1		Top(ft) 8,722.00		Base(ft) 8,801.00		Zone Devonian		Diversion Type									
Fluid Slick Water		Volume 3,488.00		Avg. Rate 89.00		Max Rate 99.80		Avg. Press 5,148.00		Max Press 5,571.00		Proppant Type White Sand		Proppant Size 40/70		Weight 187,700.00	
Directional Information																	
Initial Deviation 3,908		Max Dev 8.4deg at 8,351				Max Dogleg 6.2 deg at 8,668											
Casing / Tubing Information																	
Description		Size		Weight		Grade		Depth		Sacks		CMT Top		Packer / SN		TOC Method	
CONDUCTOR		20.00		94		H-40		56.00						-2,474.00			
SURFACE		13.38		48		H-40		957.00		815		17.00		-1,573.03		Returns at Surface	
INTERMEDIATE 1		8.63		32		J-55, K-55		3,715.00		1,045		17.00		1,184.51		Returns at Surface	
PRODUCTION 1		5.50		17		L-80, L80, L-80 KSI		9,135.58						7,832.33			
WellBore Equipment																	
Assembly Name		Assembly Size				MD Top		MD Base		Date Installed							
Tubing String		2.88				17.00				8/6/2013 12:00:00AM							
Section Type		Component Type		Top		Length		No. of Joints		Condition		GRADE		OD_BODY Weight		DESCRIPTION	
Tubing		Tubing Joint(s)		17.00		8,709.42		266		New		L-80		2.880 6.50			
Tubing		Tubing Anchor Catcher		8,726.42		3.00		1		New				5.500			
Tubing		Tubing Joint(s)		8,729.42		98.03		3		New		L-80		2.880 6.50			
Tubing		Tubing Joint(s)		8,827.45		32.49		1		New		TK-99		2.880 6.50		TK-99 IPC	
Wellbore Equipmer Seating Nipple				8,859.94		1.10		1		New				2.880			



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Tubing	Perforated Joint(s)	8,861.04	4.30	1	New	J-55	2.880 6.50	W/PIN COLLAR
		8,848.34						

BULKS

Product	QTY
	0.0
DIESEL, RIG FUEL	860.0



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	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	4,500	500	5,000	1,000	
70017	CONTRACT LABOR	20,000	8,441	0	8,441	11,559	
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	59,743	3,660	63,403	-2,403	MASA WELL SERVICE
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	22,401	630	23,031	6,969	BOP/ TEST TK /RIG MATS/ ETC
70034	FORMATION STIMULATION	350,000	123,186	0	123,186	226,814	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	12,006	0	12,006	17,994	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70061	REPAIR & MAINTENANCE - SUB SFC			5,400			QUINN PMP
70061	REPAIR & MAINTENANCE - SUB SFC			973			WILSON SUPPLT
70061	REPAIR & MAINTENANCE - SUB SFC			6,373			
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	6,405	1,853	8,258	11,742	TREY TRK
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	290,235	13,016	303,251	396,969	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	0	23,847	23,847	26,153	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	203,357	23,847	227,204	71,796	
Total:		999,220	493,592	36,863	530,455	468,765	



APACHE CORPORATION

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WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 08-07-2013		
Operator APACHE CORPORATION		API 4210336135	GL 2,513.00	TMD 9,135.00	PBDT 9,079.00	RKB/RT 2,530.00	Working Int % 100.00	Report No 14	
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor HARRY GRyder		Engineer / Geologist SEAN MURRAY			
Field BLOCK 31		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name SIDEWINDER 215 /			RIG PHONE NO 281-366-0223		RIG Fax No		Tool Pusher DOUG BESSIRE		
AFE #: PA-13-0329-C		AFE Description:							
AFE Costs 999,220		Previous Day Cum 530,125		Daily Costs 6,309	Cumulative Cost 536,434	AFE Remaining 462,786	AFE % 53.69		
Comment Summary 24 HR Forecast		TP=75 PSI. PU PMP, 6 WEIGH BARS, 226 - 3/4" RODS, 115 - 7/8" RODS, 1 - 7/8" x 6' SUB, 1 - 7/8" x 4' SUB, 1 - 7/8" x 2' SUB, & 1 - 1 1/2"x 30' POLISHROD. BUILD WELLHEAD. HANG HEAD & LOAD WELL. SDON. WAITING ON ELECTRICIAN LTR=2184 BBLs PREP TO SPACE OUT RODS & RETURN WELL TO PROD							
24 HR Operational Comments									
From 07:00AM	To 07:30PM	Duration 12.50	Operation Description TP=75 PSI. BLEED PRS OFF WELL. PU PMP, 6 WEIGH BARS, 226 - 3/4" RODS, 115 - 7/8" RODS, 1 - 7/8" x 6' SUB, 1 - 7/8" x 4' SUB, 1 - 7/8" x 2' SUB, & 1 - 1 1/2"x 30' POLISHROD. BUILD WELLHEAD. HANG HEAD & LOAD WELL. SDON. WAITING ON ELECTRICIAN LTR=2184 BBLs						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
07/30/2013	DEVONIAN	8,722	8,724.00	6 60.00	12 HOLES	07/30/2013			
07/30/2013	DEVONIAN	8,728	8,730.00	6 60.00	12 HOLES	07/30/2013			
07/30/2013	DEVONIAN	8,788	8,794.00	6 60.00	36 HOLES	07/30/2013			
07/30/2013	DEVONIAN	8,796	8,801.00	6 60.00	30 HOLES	07/30/2013			
Stimulation									
Date 07/30/2013	Type Acid	Contractor CUDD							
Number 1	Top(ft) 8,722.00	Base(ft) 8,801.00	Zone Devonian	Diversion Type Ball Sealers					
Fluid 15% Acid	Volume 95.00	Avg. Rate 4.60	Max Rate 7.20	Avg. Press 3,263.00	Max Press 6,000.00	Proppant Type	Proppant Size	Weight	
Date 08/02/2013	Type Fracture	Contractor CUDD							
Number 1	Top(ft) 8,722.00	Base(ft) 8,801.00	Zone Devonian	Diversion Type					
Fluid Slick Water	Volume 3,488.00	Avg. Rate 89.00	Max Rate 99.80	Avg. Press 5,148.00	Max Press 5,571.00	Proppant Type White Sand	Proppant Size 40/70	Weight 187,700.00	
Directional Information									
Initial Deviation 3,908	Max Dev 8.4deg at 8,351		Max Dogleg 6.2 deg at 8,668						
Casing / Tubing Information									
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method	
CONDUCTOR	20.00	94	H-40	56.00			-2,474.00		
SURFACE	13.38	48	H-40	957.00	815	17.00	-1,573.03	Returns at Surface	
INTERMEDIATE 1	8.63	32	J-55, K-55	3,715.00	1,045	17.00	1,184.51	Returns at Surface	
PRODUCTION 1	5.50	17	L-80, L80, L-80 KSI	9,135.58			7,832.33		
WellBore Equipment									
Assembly Name Rod String		Assembly Size 0.09		MD Top 17.00		MD Base		Date Installed 8/7/2013 12:00:00AM	
Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION	
Rods	Polished Rod	17.00	30.00	1	New		1.500		
Rods	Pony Rod(s)	47.00	2.00	1	New	KD	0.880		
Rods	Pony Rod(s)	49.00	4.00	1	New	KD	0.880		
Rods	Pony Rod(s)	53.00	6.00	1	New	KD	0.880		
Rods	Sucker Rod(s)	59.00	2,875.00	115	New	KD	0.880		



APACHE CORPORATION

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Rods	Sucker Rod(s)	2,934.00	5,650.00	226	New	KD	0.750	
Rods	Sinker Bar	8,584.00	150.00	6	New	C	1.500	
Rod Pump	Insert Pump	8,734.00	24.00	1	New		1.500	2 1/2"x1 1/2"x24' x4'
Rod Pump	Insert Pump	8,758.00						RHBC GROOVE PLUNGER

8,741.00

Assembly Name	Assembly Size	MD Top	MD Base	Date Installed
Tubing String	2.88	17.00		8/6/2013 12:00:00AM

Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION
Tubing	Tubing Joint(s)	17.00	8,709.42	266	New	L-80	2.880 6.50	
Tubing	Tubing Anchor Catcher	8,726.42	3.00	1	New		5.500	
Tubing	Tubing Joint(s)	8,729.42	98.03	3	New	L-80	2.880 6.50	
Tubing	Tubing Joint(s)	8,827.45	32.49	1	New	TK-99	2.880 6.50	TK-99 IPC
Wellbore Equipmer	Seating Nipple	8,859.94	1.10	1	New		2.880	
Tubing	Perforated Joint(s)	8,861.04	4.30	1	New	J-55	2.880 6.50	W/PIN COLLAR

8,848.34

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	860.0



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	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	5,000	500	5,500	500	
70017	CONTRACT LABOR	20,000	8,441	400	8,841	11,159	J & J ROUSTABOUT
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	63,073	4,200	67,273	-6,273	MASA WELL SERVICE
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	23,031	630	23,661	6,339	BOP/ TEST TK /RIG MATS/ ETC
70034	FORMATION STIMULATION	350,000	123,186	0	123,186	226,814	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	12,006	0	12,006	17,994	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70061	REPAIR & MAINTENANCE - SUB SFC		6,373	0	6,373		
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	8,258	579	8,837	11,163	TREY TRK
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	302,921	6,309	309,230	390,990	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	23,847	0	23,847	26,153	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	227,204		227,204	71,796	
Total:		999,220	530,125	6,309	536,434	462,786	



APACHE CORPORATION

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WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 08-08-2013		
Operator APACHE CORPORATION		API 4210336135	GL 2,513.00	TMD 9,135.00	PBD 9,079.00	RKB/RT 2,530.00	Working Int % 100.00	Report No 15	
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor HARRY GRyder		Engineer / Geologist SEAN MURRAY			
Field BLOCK 31		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective		
RIG Name SIDEWINDER 215 /			RIG PHONE NO 281-366-0223		RIG Fax No		Tool Pusher DOUG BESSIRE		
AFE #: PA-13-0329-C		AFE Description:							
AFE Costs 999,220		Previous Day Cum 536,434	Daily Costs 7,784	Cumulative Cost 544,218	AFE Remaining 455,002		AFE % 54.46		
Comment Summary 24 HR Forecast		ELECTRICAN REPAIRED CONTROLL PANEL. SPACE OUT RODS, LOAD WELL, GOOD PMP ACTION. RDMOSU. PUT WELL ON PROD PREP TO TEST							
24 HR Operational Comments									
From 07:00AM	To 10:30AM	Duration 3.50	Operation Description ELECTRICAN REPAIRED CONTROLL PANEL. SPACE OUT RODS, LOAD WELL, GOOD PMP ACTION. RDMOSU. PUT WELL ON PROD						
Actual Perforations									
Date	Zone	From	To	JSPF Phasing	Comments	Report Date			
07/30/2013	DEVONIAN	8,722	8,724.00	6 60.00	12 HOLES	07/30/2013			
07/30/2013	DEVONIAN	8,728	8,730.00	6 60.00	12 HOLES	07/30/2013			
07/30/2013	DEVONIAN	8,788	8,794.00	6 60.00	36 HOLES	07/30/2013			
07/30/2013	DEVONIAN	8,796	8,801.00	6 60.00	30 HOLES	07/30/2013			
Stimulation									
Date 07/30/2013	Type Acid	Contractor CUDD							
Number	Top(ft)	Base(ft)	Zone	Diversion Type					
1	8,722.00	8,801.00	Devonian	Ball Sealers					
Fluid	Volume	Avg. Rate	Max Rate	Avg. Press	Max Press	Proppant Type	Proppant Size	Weight	
15% Acid	95.00	4.60	7.20	3,263.00	6,000.00				
Date 08/02/2013	Type Fracture	Contractor CUDD							
Number	Top(ft)	Base(ft)	Zone	Diversion Type					
1	8,722.00	8,801.00	Devonian						
Fluid	Volume	Avg. Rate	Max Rate	Avg. Press	Max Press	Proppant Type	Proppant Size	Weight	
Slick Water	3,488.00	89.00	99.80	5,148.00	5,571.00	White Sand	40/70	187,700.00	
Directional Information									
Initial Deviation 3,908	Max Dev 8.4deg at 8,351		Max Dogleg 6.2 deg at 8,668						
Casing / Tubing Information									
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method	
CONDUCTOR	20.00	94	H-40	56.00			-2,474.00		
SURFACE	13.38	48	H-40	957.00	815	17.00	-1,573.03	Returns at Surface	
INTERMEDIATE 1	8.63	32	J-55, K-55	3,715.00	1,045	17.00	1,184.51	Returns at Surface	
PRODUCTION 1	5.50	17	L-80, L80, L-80 KSI	9,135.58			7,832.33		
WellBore Equipment									
Assembly Name		Assembly Size		MD Top		MD Base		Date Installed	
Rod String		0.09		17.00				8/7/2013 12:00:00AM	
Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION	
Rods	Polished Rod	17.00	30.00	1	New		1.500		
Rods	Pony Rod(s)	47.00	2.00	1	New	KD	0.880		
Rods	Pony Rod(s)	49.00	4.00	1	New	KD	0.880		
Rods	Pony Rod(s)	53.00	6.00	1	New	KD	0.880		
Rods	Sucker Rod(s)	59.00	2,875.00	115	New	KD	0.880		



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Rods	Sucker Rod(s)	2,934.00	5,650.00	226	New	KD	0.750	
Rods	Sinker Bar	8,584.00	150.00	6	New	C	1.500	
Rod Pump	Insert Pump	8,734.00	24.00	1	New		1.500	2 1/2"x1 1/2"x24' x4'
Rod Pump	Insert Pump	8,758.00						RHBC GROOVE PLUNGER

8,741.00

Assembly Name	Assembly Size	MD Top	MD Base	Date Installed
Tubing String	2.88	17.00		8/6/2013 12:00:00AM

Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION
Tubing	Tubing Joint(s)	17.00	8,709.42	266	New	L-80	2.880 6.50	
Tubing	Tubing Anchor Catcher	8,726.42	3.00	1	New		5.500	
Tubing	Tubing Joint(s)	8,729.42	98.03	3	New	L-80	2.880 6.50	
Tubing	Tubing Joint(s)	8,827.45	32.49	1	New	TK-99	2.880 6.50	TK-99 IPC
Wellbore Equipmer	Seating Nipple	8,859.94	1.10	1	New		2.880	
Tubing	Perforated Joint(s)	8,861.04	4.30	1	New	J-55	2.880 6.50	W/PIN COLLAR

8,848.34

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	860.0



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Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	5,500	250	5,750	250	
70017	CONTRACT LABOR	20,000	8,841	0	8,841	11,159	
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	67,273	1,500	68,773	-7,773	MASA WELL SERVICE
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	23,661	630	24,291	5,709	BOP/ TEST TK /RIG MATS/ ETC
70034	FORMATION STIMULATION	350,000	123,186	0	123,186	226,814	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	12,006	0	12,006	17,994	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70061	REPAIR & MAINTENANCE - SUB SFC		6,373	0	6,373		
70062	REPAIR & MAINTENANCE - SFC			5,404			R & K SUPPLY
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	8,837	0	8,837	11,163	
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	309,230	7,784	317,014	383,206	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	23,847	0	23,847	26,153	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	227,204		227,204	71,796	
Total:		999,220	536,434	7,784	544,218	455,002	



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WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 08-09-2013	
Operator APACHE CORPORATION		API 4210336135	GL 2,513.00	TMD 9,135.00	PBDT 9,079.00	RKB/RT 2,530.00	Working Int % 100.00	Report No 16
Region PERMIAN		District NOTREES - TX CZ	License	Well Supervisor HARRY GRYDER			Engineer / Geologist SEAN MURRAY	
Field BLOCK 31		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name SIDEWINDER 215 /			RIG PHONE NO 281-366-0223		RIG Fax No		Tool Pusher DOUG BESSIRE	
AFE #: PA-13-0329-C		AFE Description:						
AFE Costs 999,220		Previous Day Cum 544,218		Daily Costs	Cumulative Cost	AFE Remaining		AFE %
Comment Summary 24 HR Forecast		TEST: 100 BO 173 BW 35 MCF LTR=2011 CONTINUE TESTING						
Actual Perforations								
Date	Zone	From	To	JSPF Phasing	Comments	Report Date		
07/30/2013	DEVONIAN	8,722	8,724.00	6 60.00	12 HOLES	07/30/2013		
07/30/2013	DEVONIAN	8,728	8,730.00	6 60.00	12 HOLES	07/30/2013		
07/30/2013	DEVONIAN	8,788	8,794.00	6 60.00	36 HOLES	07/30/2013		
07/30/2013	DEVONIAN	8,796	8,801.00	6 60.00	30 HOLES	07/30/2013		
Stimulation								
Date	Type	Contractor						
07/30/2013	Acid	CUDD						
Number	Top(ft)	Base(ft)	Zone	Diversion Type				
1	8,722.00	8,801.00	Devonian	Ball Sealers				
Fluid	Volume	Avg. Rate	Max Rate	Avg. Press	Max Press	Proppant Type	Proppant Size	Weight
15% Acid	95.00	4.60	7.20	3,263.00	6,000.00			
Date	Type	Contractor						
08/02/2013	Fracture	CUDD						
Number	Top(ft)	Base(ft)	Zone	Diversion Type				
1	8,722.00	8,801.00	Devonian					
Fluid	Volume	Avg. Rate	Max Rate	Avg. Press	Max Press	Proppant Type	Proppant Size	Weight
Slick Water	3,488.00	89.00	99.80	5,148.00	5,571.00	White Sand	40/70	187,700.00
Directional Information								
Initial Deviation	Max Dev		Max Dogleg					
3,908	8.4deg at 8,351		6.2 deg at 8,668					
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
CONDUCTOR	20.00	94	H-40	56.00			-2,474.00	
SURFACE	13.38	48	H-40	957.00	815	17.00	-1,573.03	Returns at Surface
INTERMEDIATE 1	8.63	32	J-55, K-55	3,715.00	1,045	17.00	1,184.51	Returns at Surface
PRODUCTION 1	5.50	17	L-80, L80, L-80 KSI	9,135.58			7,832.33	
WellBore Equipment								
Assembly Name	Assembly Size		MD Top		MD Base		Date Installed	
Rod String	0.09		17.00				8/7/2013 12:00:00AM	
Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION
Rods	Polished Rod	17.00	30.00	1	New		1.500	
Rods	Pony Rod(s)	47.00	2.00	1	New	KD	0.880	
Rods	Pony Rod(s)	49.00	4.00	1	New	KD	0.880	
Rods	Pony Rod(s)	53.00	6.00	1	New	KD	0.880	
Rods	Sucker Rod(s)	59.00	2,875.00	115	New	KD	0.880	
Rods	Sucker Rod(s)	2,934.00	5,650.00	226	New	KD	0.750	
Rods	Sinker Bar	8,584.00	150.00	6	New	C	1.500	
Rod Pump	Insert Pump	8,734.00	24.00	1	New		1.500	2 1/2"x1 1/2"x24' x4'
Rod Pump	Insert Pump	8,758.00						RHBC GROOVE PLUNGER



APACHE CORPORATION

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8,741.00

Assembly Name	Assembly Size	MD Top	MD Base	Date Installed
Tubing String	2.88	17.00		8/6/2013 12:00:00AM

Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION
Tubing	Tubing Joint(s)	17.00	8,709.42	266	New	L-80	2.880 6.50	
Tubing	Tubing Anchor Catcher	8,726.42	3.00	1	New		5.500	
Tubing	Tubing Joint(s)	8,729.42	98.03	3	New	L-80	2.880 6.50	
Tubing	Tubing Joint(s)	8,827.45	32.49	1	New	TK-99	2.880 6.50	TK-99 IPC
Wellbore Equipmer Seating Nipple		8,859.94	1.10	1	New		2.880	
Tubing	Perforated Joint(s)	8,861.04	4.30	1	New	J-55	2.880 6.50	W/PIN COLLAR

8,848.34

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	860.0



APACHE CORPORATION

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Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
70004	CASING CREW	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	5,750	0	5,750	250	
70017	CONTRACT LABOR	20,000	8,841	0	8,841	11,159	
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	68,773	0	68,773	-7,773	
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	24,291	0	24,291	5,709	
70034	FORMATION STIMULATION	350,000	123,186	0	123,186	226,814	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	12,006	0	12,006	17,994	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70061	REPAIR & MAINTENANCE - SUB SFC		6,373	0	6,373		
70062	REPAIR & MAINTENANCE - SFC		5,404	0	5,404		
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	8,837	0	8,837	11,163	
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	317,014		317,014	383,206	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	23,847	0	23,847	26,153	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	227,204		227,204	71,796	
Total:		999,220	544,218		544,218		



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WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 08-11-2013										
Operator APACHE CORPORATION		API 4210336135		GL 2,513.00		TMD 9,135.00		PBDT 9,079.00		RKB/RT 2,530.00		Working Int % 100.00		Report No 17			
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor HARRY GRYDER				Engineer / Geologist SEAN MURRAY							
Field BLOCK 31		State		County		Event Code LCM		Event Type LAND-ORIG COMP			Objective						
RIG Name SIDEWINDER 215 /				RIG PHONE NO 281-366-0223			RIG Fax No			Tool Pusher DOUG BESSIRE							
AFE #: PA-13-0329-C		AFE Description:															
AFE Costs 999,220		Previous Day Cum 544,218			Daily Costs		Cumulative Cost		AFE Remaining			AFE %					
Comment Summary 24 HR Forecast		TEST; 8/10/13= 115 BO, 135 BLW, 75 MCF, 24 HR. 8/11/13= 188 BO, 100 BLW, 100 MCF, 24 HR. LTR= 1796 BBL. TEST.															
24 HR Operational Comments																	
From 07:00AM		To 07:00AM		Duration 24.00		Operation Description TEST; 8/10/13= 115 BO, 135 BLW, 75 MCF, 24 HR. 8/11/13= 188 BO, 100 BLW, 100 MCF, 24 HR. LTR= 1796 BBL.											
Actual Perforations																	
Date		Zone		From		To		JSPF Phasing		Comments		Report Date					
07/30/2013		DEVONIAN		8,722		8,724.00		6 60.00		12 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,728		8,730.00		6 60.00		12 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,788		8,794.00		6 60.00		36 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,796		8,801.00		6 60.00		30 HOLES		07/30/2013					
Stimulation																	
Date 07/30/2013		Type Acid		Contractor CUDD													
Number		Top(ft)		Base(ft)		Zone		Diversion Type									
1		8,722.00		8,801.00		Devonian		Ball Sealers									
Fluid		Volume		Avg. Rate		Max Rate		Avg. Press		Max Press		Proppant Type		Proppant Size		Weight	
15% Acid		95.00		4.60		7.20		3,263.00		6,000.00							
Date 08/02/2013		Type Fracture		Contractor CUDD													
Number		Top(ft)		Base(ft)		Zone		Diversion Type									
1		8,722.00		8,801.00		Devonian											
Fluid		Volume		Avg. Rate		Max Rate		Avg. Press		Max Press		Proppant Type		Proppant Size		Weight	
Slick Water		3,488.00		89.00		99.80		5,148.00		5,571.00		White Sand		40/70		187,700.00	
Directional Information																	
Initial Deviation 3,908		Max Dev 8.4deg at 8,351				Max Dogleg 6.2 deg at 8,668											
Casing / Tubing Information																	
Description		Size		Weight		Grade		Depth		Sacks		CMT Top		Packer / SN		TOC Method	
CONDUCTOR		20.00		94		H-40		56.00						-2,474.00			
SURFACE		13.38		48		H-40		957.00		815		17.00		-1,573.03		Returns at Surface	
INTERMEDIATE 1		8.63		32		J-55, K-55		3,715.00		1,045		17.00		1,184.51		Returns at Surface	
PRODUCTION 1		5.50		17		L-80, L80, L-80 KSI		9,135.58						7,832.33			
WellBore Equipment																	
Assembly Name		Assembly Size				MD Top		MD Base		Date Installed							
Rod String		0.09				17.00				8/7/2013 12:00:00AM							
Section Type		Component Type		Top		Length		No. of Joints		Condition		GRADE		OD_BODY Weight		DESCRIPTION	
Rods		Polished Rod		17.00		30.00		1		New				1.500			
Rods		Pony Rod(s)		47.00		2.00		1		New		KD		0.880			
Rods		Pony Rod(s)		49.00		4.00		1		New		KD		0.880			
Rods		Pony Rod(s)		53.00		6.00		1		New		KD		0.880			
Rods		Sucker Rod(s)		59.00		2,875.00		115		New		KD		0.880			
Rods		Sucker Rod(s)		2,934.00		5,650.00		226		New		KD		0.750			



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Rods	Sinker Bar	8,584.00	150.00	6	New	C	1.500	
Rod Pump	Insert Pump	8,734.00	24.00	1	New		1.500	2 1/2"x1 1/2"x24' x4'
Rod Pump	Insert Pump	8,758.00						RHBC GROOVE PLUNGER

8,741.00

Assembly Name	Assembly Size	MD Top	MD Base	Date Installed
Tubing String	2.88	17.00		8/6/2013 12:00:00AM

Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION
Tubing	Tubing Joint(s)	17.00	8,709.42	266	New	L-80	2.880 6.50	
Tubing	Tubing Anchor Catcher	8,726.42	3.00	1	New		5.500	
Tubing	Tubing Joint(s)	8,729.42	98.03	3	New	L-80	2.880 6.50	
Tubing	Tubing Joint(s)	8,827.45	32.49	1	New	TK-99	2.880 6.50	TK-99 IPC
Wellbore Equipmer	Seating Nipple	8,859.94	1.10	1	New		2.880	
Tubing	Perforated Joint(s)	8,861.04	4.30	1	New	J-55	2.880 6.50	W/PIN COLLAR

8,848.34

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	860.0



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	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	5,750	0	5,750	250	
70017	CONTRACT LABOR	20,000	8,841	0	8,841	11,159	
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	68,773	0	68,773	-7,773	
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	24,291	0	24,291	5,709	
70034	FORMATION STIMULATION	350,000	123,186	0	123,186	226,814	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	12,006	0	12,006	17,994	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70061	REPAIR & MAINTENANCE - SUB SFC		6,373	0	6,373		
70062	REPAIR & MAINTENANCE - SFC		5,404	0	5,404		
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	8,837	0	8,837	11,163	
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	317,014		317,014	383,206	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	23,847	0	23,847	26,153	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	227,204		227,204	71,796	
Total:		999,220	544,218		544,218		



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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 08-12-2013										
Operator APACHE CORPORATION		API 4210336135		GL 2,513.00		TMD 9,135.00		PBDT 9,079.00		RKB/RT 2,530.00		Working Int % 100.00		Report No 18			
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor HARRY GRYDER				Engineer / Geologist SEAN MURRAY							
Field BLOCK 31		State		County		Event Code LCM		Event Type LAND-ORIG COMP			Objective						
RIG Name SIDEWINDER 215 /				RIG PHONE NO 281-366-0223			RIG Fax No			Tool Pusher DOUG BESSIRE							
AFE #: PA-13-0329-C		AFE Description:															
AFE Costs 999,220		Previous Day Cum 544,218			Daily Costs		Cumulative Cost		AFE Remaining			AFE %					
Comment Summary 24 HR Forecast		TEST: 200 BO, 35 BLW, 100 MCF, 24 HR. LTR= 1761 BBL. TEST.															
24 HR Operational Comments																	
From 07:00AM		To 07:00AM		Duration 24.00		Operation Description TEST: 200 BO, 35 BLW, 100 MCF, 24 HR. LTR= 1761 BBL.											
Actual Perforations																	
Date		Zone		From		To		JSPF Phasing		Comments		Report Date					
07/30/2013		DEVONIAN		8,722		8,724.00		6 60.00		12 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,728		8,730.00		6 60.00		12 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,788		8,794.00		6 60.00		36 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,796		8,801.00		6 60.00		30 HOLES		07/30/2013					
Stimulation																	
Date 07/30/2013		Type Acid		Contractor CUDD													
Number 1		Top(ft) 8,722.00		Base(ft) 8,801.00		Zone Devonian		Diversion Type Ball Sealers									
Fluid 15% Acid		Volume 95.00		Avg. Rate 4.60		Max Rate 7.20		Avg. Press 3,263.00		Max Press 6,000.00		Proppant Type		Proppant Size		Weight	
Date 08/02/2013		Type Fracture		Contractor CUDD													
Number 1		Top(ft) 8,722.00		Base(ft) 8,801.00		Zone Devonian		Diversion Type									
Fluid Slick Water		Volume 3,488.00		Avg. Rate 89.00		Max Rate 99.80		Avg. Press 5,148.00		Max Press 5,571.00		Proppant Type White Sand		Proppant Size 40/70		Weight 187,700.00	
Directional Information																	
Initial Deviation 3,908		Max Dev 8.4deg at 8,351				Max Dogleg 6.2 deg at 8,668											
Casing / Tubing Information																	
Description		Size		Weight		Grade		Depth		Sacks		CMT Top		Packer / SN		TOC Method	
CONDUCTOR		20.00		94		H-40		56.00						-2,474.00			
SURFACE		13.38		48		H-40		957.00		815		17.00		-1,573.03		Returns at Surface	
INTERMEDIATE 1		8.63		32		J-55, K-55		3,715.00		1,045		17.00		1,184.51		Returns at Surface	
PRODUCTION 1		5.50		17		L-80, L80, L-80 KSI		9,135.58						7,832.33			
WellBore Equipment																	
Assembly Name		Assembly Size				MD Top		MD Base		Date Installed							
Rod String		0.09				17.00				8/7/2013 12:00:00AM							
Section Type		Component Type		Top		Length		No. of Joints		Condition		GRADE		OD_BODY Weight		DESCRIPTION	
Rods		Polished Rod		17.00		30.00		1		New				1.500			
Rods		Pony Rod(s)		47.00		2.00		1		New		KD		0.880			
Rods		Pony Rod(s)		49.00		4.00		1		New		KD		0.880			
Rods		Pony Rod(s)		53.00		6.00		1		New		KD		0.880			
Rods		Sucker Rod(s)		59.00		2,875.00		115		New		KD		0.880			
Rods		Sucker Rod(s)		2,934.00		5,650.00		226		New		KD		0.750			



APACHE CORPORATION

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Rods	Sinker Bar	8,584.00	150.00	6	New	C	1.500	
Rod Pump	Insert Pump	8,734.00	24.00	1	New		1.500	2 1/2"x1 1/2"x24' x4'
Rod Pump	Insert Pump	8,758.00						RHBC GROOVE PLUNGER

8,741.00

Assembly Name	Assembly Size	MD Top	MD Base	Date Installed
Tubing String	2.88	17.00		8/6/2013 12:00:00AM

Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION
Tubing	Tubing Joint(s)	17.00	8,709.42	266	New	L-80	2.880 6.50	
Tubing	Tubing Anchor Catcher	8,726.42	3.00	1	New		5.500	
Tubing	Tubing Joint(s)	8,729.42	98.03	3	New	L-80	2.880 6.50	
Tubing	Tubing Joint(s)	8,827.45	32.49	1	New	TK-99	2.880 6.50	TK-99 IPC
Wellbore Equipmer	Seating Nipple	8,859.94	1.10	1	New		2.880	
Tubing	Perforated Joint(s)	8,861.04	4.30	1	New	J-55	2.880 6.50	W/PIN COLLAR

8,848.34

BULKS

Product	QTY
DIESEL, RIG FUEL	0.0
	860.0



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	12,000	11,891	0	11,891	109	
70006	CEMENT AND CEMENTING SERVICES	65,000	26,372	0	26,372	38,628	
70009	COMPANY LABOR	5,000	0	0	0	5,000	
70011	COMPANY SUPERVISION	6,000	5,750	0	5,750	250	
70017	CONTRACT LABOR	20,000	8,841	0	8,841	11,159	
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	68,773	0	68,773	-7,773	
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	24,291	0	24,291	5,709	
70034	FORMATION STIMULATION	350,000	123,186	0	123,186	226,814	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	12,006	0	12,006	17,994	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70061	REPAIR & MAINTENANCE - SUB SFC		6,373	0	6,373		
70062	REPAIR & MAINTENANCE - SFC		5,404	0	5,404		
70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	8,837	0	8,837	11,163	
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	317,014		317,014	383,206	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	23,847	0	23,847	26,153	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	227,204		227,204	71,796	
Total:		999,220	544,218		544,218		



APACHE CORPORATION

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Daily Land - Orig Comp Report

WELL NAME UNIVERSITY DEVONIAN 48 3							DATE 08-13-2013										
Operator APACHE CORPORATION		API 4210336135		GL 2,513.00		TMD 9,135.00		PBD 9,079.00		RKB/RT 2,530.00		Working Int % 100.00		Report No 19			
Region PERMIAN		District NOTREES - TX CZ		License		Well Supervisor HARRY GRYDER				Engineer / Geologist SEAN MURRAY							
Field BLOCK 31		State		County		Event Code LCM		Event Type LAND-ORIG COMP			Objective						
RIG Name SIDEWINDER 215 /				RIG PHONE NO 281-366-0223			RIG Fax No			Tool Pusher DOUG BESSIRE							
AFE #: PA-13-0329-C		AFE Description:															
AFE Costs 999,220		Previous Day Cum 544,218			Daily Costs		Cumulative Cost		AFE Remaining			AFE %					
Comment Summary 24 HR Forecast		TEST: 170 BO, 60 BLW, 100 MCF, 24 HR. LTR= 1736 BBL. FINAL.															
24 HR Operational Comments																	
From 07:00AM		To 07:00AM		Duration 24.00		Operation Description TEST: 170 BO, 60 BLW, 100 MCF, 24 HR. LTR= 1736 BBL.											
Actual Perforations																	
Date		Zone		From		To		JSPF Phasing		Comments		Report Date					
07/30/2013		DEVONIAN		8,722		8,724.00		6 60.00		12 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,728		8,730.00		6 60.00		12 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,788		8,794.00		6 60.00		36 HOLES		07/30/2013					
07/30/2013		DEVONIAN		8,796		8,801.00		6 60.00		30 HOLES		07/30/2013					
Stimulation																	
Date 07/30/2013		Type Acid		Contractor CUDD													
Number 1		Top(ft) 8,722.00		Base(ft) 8,801.00		Zone Devonian		Diversion Type Ball Sealers									
Fluid 15% Acid		Volume 95.00		Avg. Rate 4.60		Max Rate 7.20		Avg. Press 3,263.00		Max Press 6,000.00		Proppant Type		Proppant Size 40/70		Weight 187,700.00	
Date 08/02/2013		Type Fracture		Contractor CUDD													
Number 1		Top(ft) 8,722.00		Base(ft) 8,801.00		Zone Devonian		Diversion Type									
Fluid Slick Water		Volume 3,488.00		Avg. Rate 89.00		Max Rate 99.80		Avg. Press 5,148.00		Max Press 5,571.00		Proppant Type White Sand		Proppant Size 40/70		Weight 187,700.00	
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Initial Deviation 3,908		Max Dev 8.4deg at 8,351				Max Dogleg 6.2 deg at 8,668											
Casing / Tubing Information																	
Description		Size		Weight		Grade		Depth		Sacks		CMT Top		Packer / SN		TOC Method	
CONDUCTOR		20.00		94		H-40		56.00						-2,474.00			
SURFACE		13.38		48		H-40		957.00		815		17.00		-1,573.03		Returns at Surface	
INTERMEDIATE 1		8.63		32		J-55, K-55		3,715.00		1,045		17.00		1,184.51		Returns at Surface	
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Section Type		Component Type		Top		Length		No. of Joints		Condition		GRADE		OD_BODY Weight		DESCRIPTION	
Rods		Polished Rod		17.00		30.00		1		New				1.500			
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Assembly Name	Assembly Size	MD Top	MD Base	Date Installed
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Section Type	Component Type	Top	Length	No. of Joints	Condition	GRADE	OD_BODY Weight	DESCRIPTION
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70011	COMPANY SUPERVISION	6,000	5,750	0	5,750	250	
70017	CONTRACT LABOR	20,000	8,841	0	8,841	11,159	
70019	CONTRACT DRILLING-DAY/TURNKEY	61,000	68,773	0	68,773	-7,773	
70021	CONTRACT SUPERVISION	6,900	3,683	0	3,683	3,217	
70025	DRILLING FLUIDS		0	0	0		
70026	ELECTRICAL CONTRACT	20,000	0	0	0	20,000	
70031	EQUIPMENT RENTAL	30,000	24,291	0	24,291	5,709	
70034	FORMATION STIMULATION	350,000	123,186	0	123,186	226,814	
70037	FUEL AND POWER		3,114	0	3,114		
70039	ENGR/ GEOLOGICAL-CONTRACTORS/CON		0	0	0		
70046	LAND AND SITE RECLAMATION	2,500	0	0	0	2,500	
70049	LOGGING AND WIRELINE	30,000	12,006	0	12,006	17,994	
70054	OTHER INTANGIBLE	33,820	8,493	0	8,493	25,327	
70061	REPAIR & MAINTENANCE - SUB SFC		6,373	0	6,373		
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70065	SITE PREPARATION	2,000	0	0	0	2,000	
70074	TRUCKING AND HAULING	20,000	8,837	0	8,837	11,163	
70076	TUBULAR INSPECTION/TESTING	6,000	0	0	0	6,000	
70077	WATER	30,000	0	0	0	30,000	
Total Intangible Cost		700,220	317,014		317,014	383,206	
71032	OTHER SUBSURFACE EQUIPMENT	5,000	0	0	0	5,000	
71040	PRODUCTION CASING	180,000	148,307	0	148,307	31,693	
71048	SUCKER RODS	50,000	23,847	0	23,847	26,153	
71053	TUBING	54,000	47,035	0	47,035	6,965	
71056	WELLHEAD ASSEMBLY	10,000	8,015	0	8,015	1,985	
Total Tangible Cost		299,000	227,204		227,204	71,796	
Total:		999,220	544,218		544,218		