



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 4-29 2							DATE 08-13-2013	
Operator APACHE CORPORATION		API 4246138787	GL 2,825.00	TMD 11,490.00	PBTD	RKB/RT 2,848.00	Working Int % 100.00	Report No 5
Region PERMIAN		District GARDEN CITY - TX CZ		License		Well Supervisor CHARLES GRAVES		Engineer / Geologist JAMES HILL
Field SHEEP MOUNTAIN (CONSC)		State		County		Event Code LCM		Event Type LAND-ORIG COMP
RIG Name		RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-13-0582-C AFE Description:								
AFE Costs 1,375,000		Previous Day Cum 297,628		Daily Costs 10,200		Cumulative Cost 307,828		AFE Remaining 1,067,172
AFE % 22.39								
Comment Summary		CIH TO 2ND DVT. TAGGED CMT @ 7962' DRILLED TO DVT @ 7976'. TESTED CSG TO 1000 PSI FO 30 MIN, HELD GOOD. DRILLED UP DVT. TESTED CSG TO 1000 PSI FOR 30 MIN, HELD GOOD. POOH. RIH W/ B & S TO TOP DVT. WORKED FOR 30 MIN.						
24 HR Forecast		RUN B & S						
24 HR Operational Comments								
From 06:00AM	To 07:00PM	Duration 13.00	Operation Description CIH TO 2ND DVT. TAGGED CMT @ 7962' DRILLED TO DVT @ 7976'. TESTED CSG TO 1000 PSI FOR 30 MIN, HELD GOOD. DRILLED UP DVT. TESTED CSG TO 1000 PSI FOR 30 MIN, HELD GOOD. POOH W/ TBG & BHA. RIH W/ B & S TO TOP DVT. WORKED FOR 30 MIN. POOH W/ 5 STANDS SDON.					
Directional Information								
Initial Deviation 3,142		Max Dev 2.8deg at 11,392		Max Dogleg 1.2 deg at 8,528				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	54.40, 54.50	J-55	762.03			-2,086.02	
INTERMEDIATE 1	9.88	40	J-55, HC L-80	4,747.98	1,195	25.00	1,899.18	Returns at Surface
PRODUCTION 1	5.50	20	L-80	11,489.99	1,350		8,639.52	
BULKS								
Product				QTY				
BRINE				0.0				
WATER, SURF-FRESH				0.0				
DIESEL, RIG FUEL				2,934.0				



APACHE CORPORATION

Page 2 of 2

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD		1,538	0	1,538		
70003	BITS, COREHEADS AND REAMERS		1,050	0	1,050		
70004	CASING CREW	15,000	7,320	0	7,320	7,681	
70006	CEMENT AND CEMENTING SERVICES	55,000	71,442	0	71,442	-16,442	
70011	COMPANY SUPERVISION	10,000	0	0	0	10,000	
70017	CONTRACT LABOR	25,000	0	0	0	25,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	107,000	63,900	3,900	67,800	39,200	WSU
70021	CONTRACT SUPERVISION	7,000	9,900	0	9,900	-2,900	
70025	DRILLING FLUIDS	2,000	5,064	0	5,064	-3,064	
70031	EQUIPMENT RENTAL	65,000	60,936	4,800	65,736	-736	ROCKTOOL
70034	FORMATION STIMULATION	500,000	0	0	0	500,000	
70037	FUEL AND POWER		5,083	0	5,083		DIESEL FUEL
70054	OTHER INTANGIBLE	28,000	2,205	0	2,205	25,795	
70065	SITE PREPARATION	8,000	0	0	0	8,000	
70067	SALT WATER DISPOSAL	90,000	0	0	0	90,000	
70074	TRUCKING AND HAULING	25,000	42,830	1,500	44,330	-19,330	TCW
70076	TUBULAR INSPECTION/TESTING	3,000	0	0	0	3,000	PREP CASING TO RUN
70077	WATER	120,000	650	0	650	119,350	POTABLE WATER
70078	WELLSITE LOSS AND DAMAGES		17,128	0	17,128		
Total Intangible Cost		1,060,000	289,046	10,200	299,246	760,754	
71032	OTHER SUBSURFACE EQUIPMENT	10,000	0	0	0	10,000	
71040	PRODUCTION CASING	170,000	0	0	0	170,000	
71048	SUCKER RODS	40,000	0	0	0	40,000	
71053	TUBING	75,000	0	0	0	75,000	
71056	WELLHEAD ASSEMBLY	20,000	8,581	0	8,581	11,419	
Total Tangible Cost		315,000	8,581		8,581	306,419	
Total:		1,375,000	297,628	10,200	307,828	1,067,172	



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 4-29 2							DATE 08-14-2013			
Operator APACHE CORPORATION		API 4246138787	GL 2,825.00	TMD 11,490.00	PBDT	RKB/RT 2,848.00	Working Int % 100.00	Report No 6		
Region PERMIAN		District GARDEN CITY - TX CZ		License		Well Supervisor CHARLES GRAVES		Engineer / Geologist JAMES HILL		
Field SHEEP MOUNTAIN (CONSC		State		County		Event Code LCM		Event Type LAND-ORIG COMP	Objective	
RIG Name				RIG PHONE NO		RIG Fax No		Tool Pusher		
AFE #: PA-13-0582-C		AFE Description:								
AFE Costs 1,375,000		Previous Day Cum 307,828		Daily Costs 10,000		Cumulative Cost 317,828		AFE Remaining 1,057,172		AFE % 23.11
Comment Summary 24 HR Forecast		RIH W/ B & S TO 2ND DVT (7976') WORKED FOR 30 MIN. POOH W/ TBG & B & S. RIH W/ 4.75 BIT, COLLARS & TBG CLEANED TO FLOAT COLLAR (11,446). CIRCULATED 250 BBLs. TESTED CSG TO 1000 PSI, HELD GOOD. LD TBG								
24 HR Operational Comments										
From 06:00AM	To 06:00PM	Duration 12.00	Operation Description RIH W/ B & S TO 2ND DVT (7976') WORKED FOR 30 MIN. POOH W/ TBG & B & S. RIH W/ 4.75 BIT, COLLARS & TBG CLEANED TO FLOAT COLLAR (11,446). CIRCULATED 250 BBLs. TESTED CSG TO 1000 PSI, HELD GOOD.							
Directional Information										
Initial Deviation 3,142		Max Dev 2.8deg at 11,392			Max Dogleg 1.2 deg at 8,528					
Casing / Tubing Information										
Description	Size	Weight	Grade		Depth	Sacks	CMT Top	Packer / SN	TOC Method	
SURFACE	13.38	54.40, 54.50	J-55		762.03			-2,086.02		
INTERMEDIATE 1	9.88	40	J-55, HC L-80		4,747.98	1,195	25.00	1,899.18	Returns at Surface	
PRODUCTION 1	5.50	20	L-80		11,489.99	1,350		8,639.52		
BULKS										
Product				QTY						
BRINE				0.0						
WATER, SURF-FRESH				0.0						
DIESEL, RIG FUEL				2,934.0						



APACHE CORPORATION

Page 2 of 2

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD		1,538	0	1,538		
70003	BITS, COREHEADS AND REAMERS		1,050	0	1,050		
70004	CASING CREW	15,000	7,320	0	7,320	7,681	
70006	CEMENT AND CEMENTING SERVICES	55,000	71,442	0	71,442	-16,442	
70011	COMPANY SUPERVISION	10,000	0	0	0	10,000	
70017	CONTRACT LABOR	25,000	0	0	0	25,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	107,000	67,800	3,900	71,700	35,300	WSU
70021	CONTRACT SUPERVISION	7,000	9,900	0	9,900	-2,900	
70025	DRILLING FLUIDS	2,000	5,064	0	5,064	-3,064	
70031	EQUIPMENT RENTAL	65,000	65,736	4,600	70,336	-5,336	ROCKTOOL
70034	FORMATION STIMULATION	500,000	0	0	0	500,000	
70037	FUEL AND POWER		5,083	0	5,083		DIESEL FUEL
70054	OTHER INTANGIBLE	28,000	2,205	0	2,205	25,795	
70065	SITE PREPARATION	8,000	0	0	0	8,000	
70067	SALT WATER DISPOSAL	90,000	0	0	0	90,000	
70074	TRUCKING AND HAULING	25,000	44,330	1,500	45,830	-20,830	TCW
70076	TUBULAR INSPECTION/TESTING	3,000	0	0	0	3,000	PREP CASING TO RUN
70077	WATER	120,000	650	0	650	119,350	POTABLE WATER
70078	WELLSITE LOSS AND DAMAGES		17,128	0	17,128		
Total Intangible Cost		1,060,000	299,246	10,000	309,246	750,754	
71032	OTHER SUBSURFACE EQUIPMENT	10,000	0	0	0	10,000	
71040	PRODUCTION CASING	170,000	0	0	0	170,000	
71048	SUCKER RODS	40,000	0	0	0	40,000	
71053	TUBING	75,000	0	0	0	75,000	
71056	WELLHEAD ASSEMBLY	20,000	8,581	0	8,581	11,419	
Total Tangible Cost		315,000	8,581		8,581	306,419	
Total:		1,375,000	307,828	10,000	317,828	1,057,172	



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 4-29 2							DATE 08-15-2013	
Operator APACHE CORPORATION		API 4246138787	GL 2,825.00	TMD 11,490.00	PBDT	RKB/RT 2,848.00	Working Int % 100.00	Report No 7
Region PERMIAN		District GARDEN CITY - TX CZ	License	Well Supervisor CHARLES GRAVES		Engineer / Geologist JAMES HILL		
Field SHEEP MOUNTAIN (CONSC		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-13-0582-C		AFE Description:						
AFE Costs 1,375,000		Previous Day Cum 317,828	Daily Costs 5,800	Cumulative Cost 323,628	AFE Remaining 1,051,372		AFE % 23.54	
Comment Summary 24 HR Forecast		LD TBG & BHA, LOADED WELL, FLANGED UP WH. SDON LOG						
24 HR Operational Comments								
From 06:00AM	To 02:00PM	Duration 8.00	Operation Description LD TBG & BHA, LOADED WELL, FLANGED UP WH. SDON					
Directional Information								
Initial Deviation 3,142		Max Dev 2.8deg at 11,392		Max Dogleg 1.2 deg at 8,528				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	54.40, 54.50	J-55	762.03			-2,086.02	
INTERMEDIATE 1	9.88	40	J-55, HC L-80	4,747.98	1,195	25.00	1,899.18	Returns at Surface
PRODUCTION 1	5.50	20	L-80	11,489.99	1,350		8,639.52	
BULKS								
Product				QTY				
BRINE				0.0				
WATER, SURF-FRESH				0.0				
DIESEL, RIG FUEL				2,934.0				



APACHE CORPORATION

Page 2 of 2

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD		1,538	0	1,538		
70003	BITS, COREHEADS AND REAMERS		1,050	0	1,050		
70004	CASING CREW	15,000	7,320	0	7,320	7,681	
70006	CEMENT AND CEMENTING SERVICES	55,000	71,442	0	71,442	-16,442	
70011	COMPANY SUPERVISION	10,000	0	0	0	10,000	
70017	CONTRACT LABOR	25,000	0	0	0	25,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	107,000	71,700	2,400	74,100	32,900	WSU
70021	CONTRACT SUPERVISION	7,000	9,900	0	9,900	-2,900	
70025	DRILLING FLUIDS	2,000	5,064	0	5,064	-3,064	
70031	EQUIPMENT RENTAL	65,000	70,336	2,400	72,736	-7,736	ROCKTOOL
70034	FORMATION STIMULATION	500,000	0	0	0	500,000	
70037	FUEL AND POWER		5,083	0	5,083		DIESEL FUEL
70054	OTHER INTANGIBLE	28,000	2,205	0	2,205	25,795	
70065	SITE PREPARATION	8,000	0	0	0	8,000	
70067	SALT WATER DISPOSAL	90,000	0	0	0	90,000	
70074	TRUCKING AND HAULING	25,000	45,830	1,000	46,830	-21,830	TCW
70076	TUBULAR INSPECTION/TESTING	3,000	0	0	0	3,000	PREP CASING TO RUN
70077	WATER	120,000	650	0	650	119,350	POTABLE WATER
70078	WELLSITE LOSS AND DAMAGES		17,128	0	17,128		
Total Intangible Cost		1,060,000	309,246	5,800	315,046	744,954	
71032	OTHER SUBSURFACE EQUIPMENT	10,000	0	0	0	10,000	
71040	PRODUCTION CASING	170,000	0	0	0	170,000	
71048	SUCKER RODS	40,000	0	0	0	40,000	
71053	TUBING	75,000	0	0	0	75,000	
71056	WELLHEAD ASSEMBLY	20,000	8,581	0	8,581	11,419	
Total Tangible Cost		315,000	8,581		8,581	306,419	
Total:		1,375,000	317,828	5,800	323,628	1,051,372	



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 4-29 2							DATE 08-16-2013	
Operator APACHE CORPORATION		API 4246138787	GL 2,825.00	TMD 11,490.00	PBDT	RKB/RT 2,848.00	Working Int % 100.00	Report No 8
Region PERMIAN		District GARDEN CITY - TX CZ	License	Well Supervisor CHARLES GRAVES		Engineer / Geologist JAMES HILL		
Field SHEEP MOUNTAIN (CONSC)		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-13-0582-C		AFE Description:						
AFE Costs 1,375,000		Previous Day Cum 323,628	Daily Costs 4,100	Cumulative Cost 327,728	AFE Remaining 1,047,272		AFE % 23.83	
Comment Summary 24 HR Forecast		RDMO WSU WOF						
24 HR Operational Comments								
From 06:00AM	To 02:00PM	Duration 8.00	Operation Description RDMO WSU					
Directional Information								
Initial Deviation 3,142		Max Dev 2.8deg at 11,392		Max Dogleg 1.2 deg at 8,528				
Casing / Tubing Information								
Description	Size	Weight	Grade	Depth	Sacks	CMT Top	Packer / SN	TOC Method
SURFACE	13.38	54.40, 54.50	J-55	762.03			-2,086.02	
INTERMEDIATE 1	9.88	40	J-55, HC L-80	4,747.98	1,195	25.00	1,899.18	Returns at Surface
PRODUCTION 1	5.50	20	L-80	11,489.99	1,350		8,639.52	
BULKS								
Product				QTY				
BRINE				0.0				
WATER, SURF-FRESH				0.0				
DIESEL, RIG FUEL				2,934.0				



APACHE CORPORATION

Page 2 of 2

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD		1,538	0	1,538		
70003	BITS, COREHEADS AND REAMERS		1,050	0	1,050		
70004	CASING CREW	15,000	7,320	0	7,320	7,681	
70006	CEMENT AND CEMENTING SERVICES	55,000	71,442	0	71,442	-16,442	
70011	COMPANY SUPERVISION	10,000	0	0	0	10,000	
70017	CONTRACT LABOR	25,000	0	0	0	25,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	107,000	74,100	2,400	76,500	30,500	WSU
70021	CONTRACT SUPERVISION	7,000	9,900	0	9,900	-2,900	
70025	DRILLING FLUIDS	2,000	5,064	0	5,064	-3,064	
70031	EQUIPMENT RENTAL	65,000	72,736	1,700	74,436	-9,436	ROCKTOOL
70034	FORMATION STIMULATION	500,000	0	0	0	500,000	
70037	FUEL AND POWER		5,083	0	5,083		DIESEL FUEL
70054	OTHER INTANGIBLE	28,000	2,205	0	2,205	25,795	
70065	SITE PREPARATION	8,000	0	0	0	8,000	
70067	SALT WATER DISPOSAL	90,000	0	0	0	90,000	
70074	TRUCKING AND HAULING	25,000	46,830	0	46,830	-21,830	TCW
70076	TUBULAR INSPECTION/TESTING	3,000	0	0	0	3,000	PREP CASING TO RUN
70077	WATER	120,000	650	0	650	119,350	POTABLE WATER
70078	WELLSITE LOSS AND DAMAGES		17,128	0	17,128		
Total Intangible Cost		1,060,000	315,046	4,100	319,146	740,854	
71032	OTHER SUBSURFACE EQUIPMENT	10,000	0	0	0	10,000	
71040	PRODUCTION CASING	170,000	0	0	0	170,000	
71048	SUCKER RODS	40,000	0	0	0	40,000	
71053	TUBING	75,000	0	0	0	75,000	
71056	WELLHEAD ASSEMBLY	20,000	8,581	0	8,581	11,419	
Total Tangible Cost		315,000	8,581		8,581	306,419	
Total:		1,375,000	323,628	4,100	327,728	1,047,272	



APACHE CORPORATION

Page 1 of 2

Daily Land - Orig Comp Report

WELL NAME UNIVERSITY 4-29 2							DATE 08-22-2013	
Operator APACHE CORPORATION		API 4246138787	GL 2,825.00	TMD 11,490.00	PBDT	RKB/RT 2,848.00	Working Int % 100.00	Report No 9
Region PERMIAN		District GARDEN CITY - TX CZ	License	Well Supervisor STANFORD LAND		Engineer / Geologist JAMES HILL		
Field SHEEP MOUNTAIN (CONSC)		State	County	Event Code LCM	Event Type LAND-ORIG COMP		Objective	
RIG Name			RIG PHONE NO		RIG Fax No		Tool Pusher	
AFE #: PA-13-0582-C		AFE Description:						
AFE Costs 1,375,000		Previous Day Cum 327,728	Daily Costs 15,572	Cumulative Cost 343,300	AFE Remaining 1,031,700		AFE % 24.97	
Status RUN BOND LOG								
Comment Summary RADIAL CEMENT BOND LOG COMPLETE								
24 HR Forecast WOF								
24 HR Operational Comments								
From 12:00AM	To 07:30AM	Duration 7.50	Operation Description WODL					
07:30AM	03:00PM	7.50	Move in Renegade Wireline, RIH with 4.625" gauge ring and junk basket, and CCL to 11,445', RIH w/Radial CBL/ GR/CCL, found PBDT at 11,445', Pressure casing to 1200#, logged from 11,445' to Surface'. Found top cement at 4596'. Pressure casing to 5000#, held for 10 minutes, no leak off.					
03:00PM	12:00AM	9.00	SDFN					
Directional Information								
Initial Deviation 3,142		Max Dev 2.8deg at 11,392		Max Dogleg 1.2 deg at 8,528				
Casing / Tubing Information								
Description SURFACE	Size 13.38	Weight 54.40, 54.50	Grade J-55	Depth 762.03	Sacks	CMT Top	Packer / SN -2,086.02	TOC Method
INTERMEDIATE 1	9.88	40	J-55, HC L-80	4,747.98	1,195	25.00	1,899.18	Returns at Surface
PRODUCTION 1	5.50	20	L-80	11,489.99	1,350		8,639.52	
Personnel								
Company Name RENEGADE SERVICES	No of People 3	Hours Today 21.0	Cum / Event 21.0					
TEXAS ENERGY	1	7.0	7.0					
EPI CONSULTING	1	7.0	7.0					
Total:	5	35.0	35.0					
BULKS								
Product				QTY				
				0.0				
BRINE				0.0				
WATER, SURF-FRESH				0.0				
DIESEL, RIG FUEL				2,934.0				



APACHE CORPORATION

Page 2 of 2

Daily Land - Orig Comp Report

Daily Cost Detail

Account Code	Description	AFE Amount	Previous	Daily Cost	Cumulative	Available	Description
65506	DRILLING OVERHEAD		1,538	0	1,538		
70003	BITS, COREHEADS AND REAMERS		1,050	0	1,050		
70004	CASING CREW	15,000	7,320	0	7,320	7,681	
70006	CEMENT AND CEMENTING SERVICES	55,000	71,442	0	71,442	-16,442	
70011	COMPANY SUPERVISION	10,000	0	0	0	10,000	
70017	CONTRACT LABOR	25,000	0	0	0	25,000	
70019	CONTRACT DRILLING-DAY/TURNKEY	107,000	76,500	0	76,500	30,500	
70021	CONTRACT SUPERVISION	7,000	9,900	1,000	10,900	-3,900	SUPERVISION
70025	DRILLING FLUIDS	2,000	5,064	0	5,064	-3,064	
70031	EQUIPMENT RENTAL	65,000	74,436	0	74,436	-9,436	
70034	FORMATION STIMULATION	500,000	0	0	0	500,000	
70037	FUEL AND POWER		5,083	0	5,083		
70049	LOGGING AND WIRELINE			13,972			LOGGER
70054	OTHER INTANGIBLE	28,000	2,205	0	2,205	25,795	
70065	SITE PREPARATION	8,000	0	0	0	8,000	
70067	SALT WATER DISPOSAL	90,000	0	0	0	90,000	
70074	TRUCKING AND HAULING	25,000	46,830	600	47,430	-22,430	KILL TRUCK
70076	TUBULAR INSPECTION/TESTING	3,000	0	0	0	3,000	
70077	WATER	120,000	650	0	650	119,350	
70078	WELLSITE LOSS AND DAMAGES		17,128	0	17,128		
Total Intangible Cost		1,060,000	319,146	15,572	334,718	725,282	
71032	OTHER SUBSURFACE EQUIPMENT	10,000	0	0	0	10,000	
71040	PRODUCTION CASING	170,000	0	0	0	170,000	
71048	SUCKER RODS	40,000	0	0	0	40,000	
71053	TUBING	75,000	0	0	0	75,000	
71056	WELLHEAD ASSEMBLY	20,000	8,581	0	8,581	11,419	
Total Tangible Cost		315,000	8,581		8,581	306,419	
Total:		1,375,000	327,728	15,572	343,300	1,031,700	