



Partner Report

Report # 50 Date: 1/13/2014 06:00

District PERMIAN BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX
Surface Legal Location SEC 36, BLK 10, ULS	API/UWI 4238338405	Latitude (°) 31° 13' 39.638" N	Longitude (°) 101° 33' 15.151" W	Ground Elev... 2,751.00
		KB - GL (ft) 25.00	Orig KB Elev (ft) 2,776.00	Tubing Head Elevation (ft)

Jobs				
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,397.0	Authorized Depth TVD (ftKB)	API/UWI 4238338405	

Costs					
WBS Number 01-09003.01;01-09003.02;01-09003.03;01-09003.04;01-09003.05	Planned Days (days) 58.38	Daily Cost (Cost) \$268,766	Cum To Date (Cost) \$4,635,541	Total WBS+Sup (Cost) \$7,016,950	Job % Complete (%) 100.0
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	32.33	\$0	\$3,057,067	\$2,810,000	(\$247,067)
COMPLETION	17.54	\$268,766	\$1,578,474	\$4,069,974	\$2,491,500

Daily Operations					
Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,376.0	End Depth (TVD) (ftKB) 8,089.1	DFS (days) 113.31	Report Number 50	Report End Date 1/13/2014

Last Casing String PRODUCTION 1, 16,376.0ftKB	
Status at 6 AM RD CTU AND PERFORATE SRG 3	24 Hour Forecast FRAC WELL PER PROCEDURE

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	15:00	9.00	PERF	ACTIVE	<p>STG 4 RU CDK WIRELINE TO PERF STG 4. ATTEMPTED TO PUMP DOWN GUNS AND PLUG, BUT STALLED OUT @ 15,500'. MADE SEVERAL ATTEMPTS TO WORK PAST THIS POINT BUT COULD NOT GET DOWN TO SET DEPTH. POOH W/ PLUG AND GUNS.</p> <p>RU HALLIBURTON AND PUMPED 709 BBLS SLICKWATER WITH 4 GAL/1000 FR CONC.</p> <p>STG 4 RU CDK WIRELINE TO PERF STG 4. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON BALL DROP CFP TO 15,542' AND SET.</p> <p>PERF STAGE 4: 15,400'-02' 15,460'-62' 15,510'-02' 15,520'-22'</p> <p>W/ 6 SPF, 0.42" EHD, 60° PHASED, 25 GRAM CHG (6 JSPF), 48 HOLES TOTAL. POOH W/ GUNS AND SETTING TOOL. ALL SHOTS FIRED. CREST PUMPDOWN BBLS--- 520 BBLS</p>
15:00	16:30	1.50	STIM	ACTIVE	<p>STG 4 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 15,400'-15,522' DESIGN: 251,800 GALS SLICKWATER, 99,750 LBS 100 MESH AND 127,750 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.</p> <p>PUMPED AS FOLLOWS: OPENING WELL PSI: 2,483 PSI / BREAK DOWN: 4,640 PSI AVG PRESS 5,951 PSI / AVG RATE 80 PM MAX PRESS 6,365 PSI / MAX RATE 81 BPM ISIP: 3,085 PSI / FG .84 PSI/FT USED 1,500 GALS 15% HCL ACID USED 6,186 BBLS CLEAN USED 518 BBLS PRODUCED TOTAL LOAD: 6,704 BBL USED 91,165 LBS 100 MESH / USED 109,185 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED</p>
16:30	19:30	3.00	PERF	ACTIVE	<p>STG 5 RU CDK WIRELINE TO PERF STG 5. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON BALL DROP CFP TO 15,390' AND SET.</p> <p>PERF STAGE 5: 15,180'-82' 15,240'-42' 15,300'-02' 15,360'-62'</p> <p>W/ 6 SPF, 0.42" EHD, 60° PHASED, 25 GRAM CHG (6 JSPF), 48 HOLES TOTAL. POOH W/ GUNS AND SETTING TOOL. ALL SHOTS FIRED. CREST PUMPDOWN BBLS---451 BBLS</p>



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Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
19:30	22:30	3.00	STIM	ACTIVE	STG 5 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 15180-15362' DESIGN: 251,800 GALS SLICKWATER, 99,750 LBS 100 MESH AND 127,750 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 2378 PSI / BREAK DOWN: 4407 PSI AVG PRESS 5641 PSI / AVG RATE 79 PM MAX PRESS 6,326 PSI / MAX RATE 80 BPM ISIP: 3097 PSI / FG .84 PSI/FT USED 1,500 GALS 15% HCL ACID USED 4591 BBL CLEAN USED 550 BBL PRODUCED TOTAL LOAD:5541 BBL USED 92074 LBS 100 MESH / USED 99011 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
22:30	00:30	2.00	PERF	ACTIVE	STG 6 RU CDK WIRELINE TO PERF STG 6. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON BALL DROP CFP TO 15150' AND SET. PERF STAGE 6: 14940-42 15000-02 15060-62 15120-22 W/ 6 SPF, 0.42" EHD, 60* PHASED, 25 GRAM CHG (6 JSPF), 48 HOLES TOTAL. POOH W/ GUNS AND SETTING TOOL. ALL SHOTS FIRED. CREST PUMPDOWN BBL---- 418 BBL
00:30	02:30	2.00	STIM	ACTIVE	STG 6 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 14940-15122' DESIGN: 251,800 GALS SLICKWATER, 99,750 LBS 100 MESH AND 127,750 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 2488 PSI / BREAK DOWN: 4038 PSI AVG PRESS 5740 PSI / AVG RATE 80 BPM MAX PRESS 6033 PSI / MAX RATE 81 BPM ISIP:3075 PSI / FG .84 PSI/FT USED 1,500 GALS 15% HCL ACID USED 4624 BBL CLEAN USED 1010 BBL PRODUCED TOTAL LOAD: 5634 BBL USED 90631 LBS 100 MESH / USED 109607 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
02:30	05:00	2.50	PERF	ACTIVE	STG 7 RU CDK WIRELINE TO PERF STG 7. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON BALL DROP CFP TO 14910' AND SET. PERF STAGE 7: 14700-72 14760-62 14820-22 14880-82 W/ 6 SPF, 0.42" EHD, 60* PHASED, 25 GRAM CHG (6 JSPF), 48 HOLES TOTAL. POOH W/ GUNS AND SETTING TOOL. ALL SHOTS FIRED. CREST PUMPDOWN BBL---- 395 BBL
05:00	06:00	1.00	STIM	ACTIVE	FRAC STAGE 7 AT REPORT TIME