



UNIVERSITY 10 3606HR

Wellbore Name: OH

WEST UNRESTRICTED

CONFIDENTIAL

Partner Report

Report # 58 Date: 1/21/2014 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
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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) \$438,123	Cum To Date (Cost) \$6,986,410	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	25.54	\$438,123	\$3,929,344	\$4,069,974	\$140,630

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) 121.31	Report Number 58	Report End Date 1/21/2014
Last Casing String PRODUCTION 1, 16,376.0ftKB					
Status at 6 AM			24 Hour Forecast COMPLETE FRAC OPS. RDMO.		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	14:00	8.00	SHUTDOWN	ACTIVE	SAFETY STANDDOWN.
14:00	16:00	2.00	STIM	ACTIVE	STG 29 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 9,420'-9602' 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: 2,304 PSI BREAK DOWN: 4,085 PSI AVG PRESS 5,246 PSI / AVG RATE 80 BPM MAX PRESS 5,691 PSI / MAX RATE 81 BPM ISIP: 3,226 PSI / FG .86 PSI/FT USED 1,500 GALS 15% HCL ACID USED 4,311 BBLS CLEAN USED 1,119 BBLS PRODUCED TOTAL LOAD: 5,430 BBLS USED 92,253 LBS 100 MESH USED 110,164 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
16:00	18:00	2.00	PERF	ACTIVE	STG 30 RU CDK WIRELINE TO PERF. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON BALL DROP CFP TO 9,390' AND SET. PERF STAGE 30: 9,180-82' 9,240-42' 9,300-02' 9,360-62' 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---0 BBLS
18:00	20:00	2.00	STIM	ACTIVE	STG 30 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 9,180'-9362' 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: 2159 PSI BREAK DOWN: 5095 PSI AVG PRESS 5671 PSI / AVG RATE 80 BPM MAX PRESS 6727 PSI / MAX RATE 80 BPM ISIP: 3089 PSI / FG .84 PSI/FT USED 1,500 GALS 15% HCL ACID USED 3900 BBLS CLEAN USED 1,660 BBLS PRODUCED TOTAL LOAD: 5,560 BBLS USED 91,469 LBS 100 MESH USED 110,674 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED



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Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
20:00	21:30	1.50	PERF	ACTIVE	STG 31 RU CDK WIRELINE TO PERF. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON BALL DROP CFP TO 9,150' AND SET. PERF STAGE 31: 8,940-42' 9,000-02' 9,060-62' 9,120-22' 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 BBLS---56 BBLS
21:30	23:00	1.50	STIM	ACTIVE	STG 31 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 8940'-9122' 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: 2541 PSI BREAK DOWN: 4683 PSI AVG PRESS 5656 PSI / AVG RATE 79 BPM MAX PRESS 6388 PSI / MAX RATE 80 BPM ISIP: 3530 PSI / FG .84 PSI/FT USED 1,500 GALS 15% HCL ACID USED 5094 BBLS CLEAN USED 192 BBLS PRODUCED TOTAL LOAD: 5286 BBLS USED 89,758 LBS 100 MESH USED 105,815 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
23:00	00:30	1.50	PERF	ACTIVE	STG 32 RU CDK WIRELINE TO PERF. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON BALL DROP CFP TO 8910' AND SET. PERF STAGE 32: 8700-02 8760-08 8820-22 8880-82 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 BBLS--- 70 BBLS
00:30	02:00	1.50	STIM	ACTIVE	STG 32 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 8700'-8882' 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: 2584 PSI BREAK DOWN: 4816 PSI AVG PRESS 6880 PSI / AVG RATE 79 BPM MAX PRESS 7578 PSI / MAX RATE 80 BPM ISIP: 2900 PSI / FG .82 PSI/FT USED 1,500 GALS 15% HCL ACID USED 5141 BBLS CLEAN USED 0 BBLS PRODUCED TOTAL LOAD: 5141 BBLS USED 90,940 LBS 100 MESH USED 87,751 LBS 40/70 OTTAWA SAND CUT STG SHORT ON 40/70 DUE TO PSI INCREASE
02:00	03:30	1.50	PERF	ACTIVE	STG 33 RU CDK WIRELINE TO PERF. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON BALL DROP CFP TO 8670' AND SET. PERF STAGE 33: 8460-62, 8520-22, 8580-82, 8640-42 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--- 36 BBLS



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03:30	05:00	1.50	STIM	ACTIVE	STG 33 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 8460'-8642' 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: 2611 PSI BREAK DOWN: 5115 PSI AVG PRESS 6771 PSI / AVG RATE 81 BPM MAX PRESS 7303 PSI / MAX RATE 82 BPM ISIP: 3311 PSI / FG .87 PSI/FT USED 1,500 GALS 15% HCL ACID USED 5609 BBLS CLEAN USED 0 BBLS PRODUCED TOTAL LOAD: 5609 BBLS USED 90,312 LBS 100 MESH USED 122,969 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
05:00	06:00	1.00	PERF	ACTIVE	KILL PLUG RU CDK WIRELINE TO HALLIBURTON BRIGDE PLUG TO 6000' AND SET. TESTED TO 5000 PSI TESTED GOOD