



UNIVERSITY 10 3606HR
Wellbore Name: OH

WEST UNRESTRICTED
CONFIDENTIAL

Partner Report

Report # 47 Date: 1/10/2014 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) \$165,392	Cum To Date (Cost) \$3,961,873	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	14.54	\$165,392	\$904,807	\$4,069,974	\$3,165,168

Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,376.0	8,089.1	110.31	47	1/10/2014
Last Casing String					
PRODUCTION 1, 16,376.0ftKB					
Status at 6 AM			24 Hour Forecast		
WIREFLINE FOR STG 3			FRAC WELL PER PROCEDURE		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	19:30	13.50	SHUTDOWN	ACTIVE	AWAITING FRAC; COMPLETION OF 5H WELL
19:30	21:00	1.50	STIM	ACTIVE	STG 1 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 16140' - 16322' 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: 2305 PSI / BREAK DOWN: 3099 PSI AVG PRESS 6183 PSI /AVG RATE 69 BPM MAX PRESS 7908 PSI / MAX RATE 80 BPM ISIP: 2586 PSI / FG 0.78 PSI/FT USED 2900 GALS 7.55% HCL ACID USED 6188 BBLS CLEAN USED 542 BBLS PRODUCED TOTAL LOAD: 6730 BBL USED 91901 LBS 100 MESH / USED 0 LBS 40/70 OTTAWA SAND ****EXTENDED PAD DUE TO HIGH PRESSURE AND REDUCTION OF RATE. FINISHED OUT WATER STG ON WATER VOLUME; FLUSH COMPLETE W/278 BBLS
21:00	01:00	4.00	PERF	ACTIVE	STG 2 RU CDK WIRELINE TO PERF STG 2. PUMPED DOWN 6 EACH 3 3/8" GUNS AND HALLIBURTON FLOW THRU CFP TO 16110' AND SET. PERF STAGE 2:15900'-16082'
01:00	03:00	2.00	SHUTDOWN	ACTIVE	AWAIT COMPLETION OF 5H AND NPT FOR WIRELINE NIGHT CAP
03:00	05:00	2.00	STIM	ACTIVE	STG 2 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 15900-16082' 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: 2300 PSI / BREAK DOWN: 6259 PSI AVG PRESS 7005 PSI / AVG RATE 52 BPM MAX PRESS 8129 PSI / MAX RATE 55 BPM ISIP: 2673 PSI / FG .787 PSI/FT USED 2900 GALS 7.5% HCL ACID ;USED 1500 GALS 15% HCL USED 3793 BBLS CLEAN USED 1455 BBLS PRODUCED TOTAL LOAD: 5248 BBL USED 2220 LBS 100 MESH / USED 0 LBS 40/70 OTTAWA SAND **** NPT 1 HR FOR WIRELINE NIGHT CAP*** ****DID NOT PUMP TO DESIGN DUE TO PRESSURE****
05:00	06:00	1.00	PERF	ACTIVE	STG 3 RU CDK WIRELINE TO PERF STG 3 . PUMPED DOWN 6 EACH 3 1/8" GUNS AND HALLIBURTON FLOW THRU CFP TO 15870' AND SET. PERF STAGE 3 15660'-15842: CREST PUMP DOWN BBL