



**UNIVERSITY 10 3606HR**  
Wellbore Name: OH

**WEST UNRESTRICTED**  
**CONFIDENTIAL**

**Partner Report**

**Report # 52 Date: 1/15/2014 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) \$274,266	Cum To Date (Cost) \$5,228,098	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	19.54	\$274,266	\$2,171,031	\$4,069,974	\$1,898,943

**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) 115.31	Report Number 52	Report End Date 1/15/2014
Last Casing String PRODUCTION 1, 16,376.0ftKB					
Status at 6 AM FRAC STG 11			24 Hour Forecast FRAC WELL PER PROCEDURE		

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:30	1.50	STIM	ACTIVE	STG 11 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 13,740'-13,922' 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: 2,603 PSI / BREAK DOWN:4,007 PSI AVG PRESS 5,803 PSI / AVG RATE 81 PM MAX PRESS 6,892 PSI / MAX RATE 81 BPM ISIP: 3,268 PSI / FG .87 PSI/FT USED 1,500 GALS 15% HCL ACID USED 4,902 BBLS CLEAN USED 659 BBLS PRODUCED TOTAL LOAD: 5,561 BBL USED 89,935 LBS 100 MESH USED 106,920LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
07:30	11:30	4.00	PERF	ACTIVE	STG 12 RU CDK WIRELINE TO PERF ST12. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON BALL DROP CFP TO 13,710' AND SET. PERF STAGE 12: 13,500-02' 13,560-62' 13,620-22' 13,680-82' 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---339 BBLS
11:30	13:00	1.50	STIM	ACTIVE	STG 12 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 13,500'-13,682' 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: 2,460 PSI BREAK DOWN: 4,309 PSI AVG PRESS 5,525 PSI / AVG RATE 81 PM MAX PRESS 6,496 PSI / MAX RATE 81 BPM ISIP: 3,338 PSI / FG .88 PSI/FT USED 1,500 GALS 15% HCL ACID USED 5,565 BBLS CLEAN USED 181 BBLS PRODUCED TOTAL LOAD: 5,746 BBLS USED 90,200 LBS 100 MESH USED 110,180 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED



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## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
13:00	16:30	3.50	PERF	ACTIVE	STG 13 RU CDK WIRELINE TO PERF ST13. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON BALL DROP CFP TO 13,710' AND SET. PERF STAGE 13: 13,260-62' 13,320-22' 13,380-82' 13,440-42' 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---334 BBLS
16:30	20:30	4.00	SHUTDOWN	ACTIVE	AWAIT FRAC COMPLETION ON 5H; BOSQUE TO SWAP FILTERS ON FILTER PODS; HES TO REPAIR/REPLACE PUMPS & CLEAN UP FUEL SPILL
20:30	00:00	3.50	STIM	ACTIVE	STG 13 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 13,260'-13,442' 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: 2399PSI BREAK DOWN: 4025PSI AVG PRESS 5628PSI / AVG RATE 81 PM MAX PRESS 7622PSI / MAX RATE 81 BPM ISIP: 3294PSI / FG .869PSI/FT USED 1,500 GALS 15% HCL ACID USED 4627 BBLS CLEAN USED 796 BBLS PRODUCED TOTAL LOAD: 5421BBLS USED 90120LBS 100 MESH USED 102907 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
00:00	02:00	2.00	PERF	ACTIVE	STG 14 RU CDK WIRELINE TO PERF ST14. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON BALL DROP CFP TO 13,230' AND SET. PERF STAGE 14: 13,020-22' 13,080-82' 13,140-42' 13,200-02' 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---314 BBLS
02:00	05:00	3.00	STIM	ACTIVE	STG 14 RU HES, MK WT, HES WHIT TO FRAC HORIZONTAL PERFORATIONS 13,020'-13,202' 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: 2521PSI BREAK DOWN: 4040PSI AVG PRESS 5533PSI / AVG RATE 81 PM MAX PRESS 5892PSI / MAX RATE 81 BPM ISIP: 3124 PSI / FG .85 PSI/FT USED 1,500 GALS 15% HCL ACID USED 4700 BBLS CLEAN USED 868BBLS PRODUCED TOTAL LOAD: 5568 BBLS USED 87838 LBS 100 MESH USED 11097 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
05:00	05:00		PERF	ACTIVE	STG 15 RU CDK WIRELINE TO PERF ST15. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON BALL DROP CFP TO 12,230' AND SET. PERF STAGE 15: 12,780-82' 12,840-42' 12,900-02' 12,960-62' 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---XXX BBLS  ****WIRELINE AT REPORT TIME****