



## UNIVERSITY 49-13 4H

Wellbore Name: OH

WEST UNRESTRICTED

CONFIDENTIAL

## Partner Report

Report # 24 Date: 7/7/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$26,400	Cum To Date (Cost) \$2,744,259	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	4.15	\$26,400	\$670,393	\$4,797,520	\$4,127,127

## Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	54.44	24	7/7/2013
Last Casing String					
PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM			24 Hour Forecast		
WSI.			WELL READY FOR STIMULATION.		

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:00	1.00	TRAVEL	ACTIVE	CREW TRAVEL TO LOCATION.
07:00	07:30	0.50	SAFETY	ACTIVE	HELD PRE JOB SAFETY MEETING WITH CREW.
07:30	12:30	5.00	RIGU	ACTIVE	MIRU STINGER WHIT, CDK PERFORATING, PUMPCO PUMP DOWN TRUCKS.
12:30	15:30	3.00	PERF	ACTIVE	OPEN WELL AND LOAD HOLE WITH 14 BBL OF FW. BUILD PRESURE UP TO 7,000 PSI. HOLD FOR 3 MIN. TAKE PSI UP TO 7,500 PSI AND HOLD FOR 3 MIN. BUMP PSI UP TO 8,000 PSI AND HOLD FOR 3 MIN. BUMP PSI UP TO 8,500 PSI AND TOOL OPENED. LET PRESSURE FALL TO 2,750 PSI. EIR OF 12 BPM AT 7,930.0 PSI PUMPED 112 BBLS OF FW AND SD. ISIP 4,800 PSI.
15:30	18:30	3.00	PERF	ACTIVE	MIRU CDK PERFORATING. RIH W/CDK DUMMY PLUG & 3 EA CDK 3 1/8" PERF GUNS. PERF THE STAGE 1 CLUSTERS W/6 SPF & 60 DEG PHASED AS FOLLOWS: 15,855'-15,857', 15,915'-15,917', 15,975'-15,977'. TOTAL 36 HOLES. POOH W/GUNS & DUMMY PLUG. ALL 36 SHOTS FIRED. USED BBL BIOWATER ON PUMP DOWN.  NOTE RSI TOOL FROM 16,035'-16,038'. PUMP DOWN RATE WAS 12.5 BPM AT 8,340 PSI. USED 514 BBLS WATER. ISIP= 4,650 PSI. FOUND MJ AT 6,489'-6,510'. CORLATED BACK TO PROD.
18:30	20:00	1.50	STIM	ACTIVE	RU PUMP CO AND PUMP 48 BBLS OF 7.5% HCL ACID THEN PUMP ACID AWAY WITH 422 BBLS OF FW WITH BIO. PUMP RATE WAS 13.5 BPM AT 7,200 PSI. ISIP-3,895 PSI.
20:00	21:00	1.00	RIGD	ACTIVE	RDMO STINGER, CDK, PUMPCO. WELL READY FOR STIMULATION.
21:00	06:00	9.00	SHUTDOWN	ACTIVE	SD. READY FOR STIMULATION.



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Partner Report

Report # 25 Date: 7/16/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$4,235	Cum To Date (Cost) \$2,748,494	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 79.1
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	5.15	\$4,235	\$674,628	\$4,797,520	\$4,122,892

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 63.44	Report Number 25	Report End Date 7/16/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM PREPARING TO FRAC STAGE.			24 Hour Forecast FRAC.		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description

**UNIVERSITY 49-13 4H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 26 Date: 7/17/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$292,753	Cum To Date (Cost) \$3,041,247	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 80.2
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	6.15	\$292,753	\$967,381	\$4,797,520	\$3,830,139

**Daily Operations**

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	16,177.0	End Depth (TVD) (ftKB)	7,189.8	DFS (days)	64.44	Report Number	26	Report End Date	7/17/2013
Last Casing String											
PRODUCTION 1, 16,177.0ftKB											
Status at 6 AM						24 Hour Forecast					
FRACING.						FRAC.					

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:00	2.00	SHUTDOWN	ACTIVE	WAITING TO FRAC STAGE 1.
08:00	09:00	1.00	RIGU	ACTIVE	RIGGED UP TO FRAC STAGE 1.
09:00	10:45	1.75	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 1 HORIZONTAL PERFORATION 15,855' - 16,038' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2100  PUMPED 3,000 GALS 7 1/2% HCL ACID . BREAK DOWN @ 3387 PSI. JOB - AVG PRESS 6440 PSI, AVG RATE 81 BPM  MAX PRESS 8198 PSI, MAX RATE 82 BPM . ISIP 2431 PSI FG 0.77 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 5284 BBLS CLEAN. USED 1194 BBL OF PRODUCED WATER TOTAL USED - 6384 BBL  USED 64,560 LBS 100 MESH USED 56,820 LBS 40/70 OTTAWA SAND.  SWI.
10:45	13:45	3.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 2. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 15,825' (435 BBLS). SET CFP @ 15,825'. PERFORATED STAGE 2 HORIZONTAL INTERVALS 15,795' - 15,797' (12 HOLES), 15,735' - 15,737' (12 HOLES), 15,675' - 15,677' (12 HOLES) AND 15,615' - 15,617' (12 HOLES) 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.  SWI, RDWL

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**Partner Report**

Report # 26 Date: 7/17/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
13:45	15:30	1.75	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 2 HORIZONTAL PERFORATION 15,615- 15,797' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI -2427  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 4710 PSI. JOB - AVG PRESS 5544 PSI, AVG RATE 80 BPM  MAX PRESS 7381 PSI, MAX RATE 81 BPM . ISIP 2522 PSI FG 0.78 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 4700 BBLS CLEAN . USED 950 BBL OF PRODUCED WATER USED TOTAL 5617  USED 101,040 LBS 100 MESH USED 96,000 LBS 40/70 OTTAWA SAND.   SWI.
15:30	18:00	2.50	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 3 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 15,585' (521 BBLS). SET CFP @ 15,560'. PERFORATED STAGE 3 HORIZONTAL INTERVALS 15,375-77 (12 HOLES), 15,435-37' (12 HOLES), 15,495-97 (12 HOLES) AND 15,555-57' (12 HOLES) 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.  SWI, RDWL
18:00	19:15	1.25	SHUTDOWN	ACTIVE	WAITING TO FRAC STAGE 3.
19:15	21:00	1.75	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 3 HORIZONTAL PERFORATION 15,375- 15,557 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2481  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 6286 PSI. JOB - AVG PRESS 5590 PSI, AVG RATE 79 BPM  MAX PRESS 7225 PSI, MAX RATE 81 BPM . ISIP 2926 PSI FG 0.84 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 4,442 BBLS SLICKWATER. USED 1,274 BBLS OF PRODUCED WATER  USED 101,480 LBS 100 MESH USED 96,080 LBS 40/70 OTTAWA SAND.   SWI.



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District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
21:00	23:30	2.50	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 4 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 15,345' (XXX BBLS). SET CFP @ 15,345'. PERFORATED STAGE 4 HORIZONTAL INTERVALS 15,135-37 (12 HOLES), 15,195-97' (12 HOLES), 15,255 -57 (12 HOLES) AND 15,315-17' (12 HOLES) 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.  SWI, RDWL
23:30	02:15	2.75	SHUTDOWN	ACTIVE	WAITING TO FRAC STAGE 4.
02:15	03:45	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 4 HORIZONTAL PERFORATION 15,135- -15,317 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2434  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 4425 PSI. JOB - AVG PRESS 5109 PSI, AVG RATE 81 BPM  MAX PRESS 6029 PSI, MAX RATE 82 BPM . ISIP 2855 PSI FG 0.83 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 4,579 BBLS SLICKWATER. USED 1,014 BBL OF PRODUCED WATER  USED 100,980 LBS 100 MESH USED 96,160 LBS 40/70 OTTAWA SAND.  SWI  SWI.
03:45	06:00	2.25	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 5 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 15,115' (510 BBLS). SET CFP @ 15,100'. PERFORATED STAGE 5 HORIZONTAL INTERVALS 14,895-97 (12 HOLES), 14,955-57' (12 HOLES), 15,015 -17 (12 HOLES) AND 15,075-77' (12 HOLES) 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.  SWI, RDWL  FTR 26,282 BBLS.



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**Partner Report**

**Report # 27 Date: 7/18/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$365,915	Cum To Date (Cost) \$3,407,162	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 81.3
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	7.15	\$365,915	\$1,333,296	\$4,797,520	\$3,464,224

**Daily Operations**

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 65.44	Report Number 27	Report End Date 7/18/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FRACING			24 Hour Forecast FRAC		

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:00	2.00	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 5 HORIZONTAL PERFORATION 14,895 - 15,077 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2338  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 4820 PSI. JOB - AVG PRESS 5759 PSI, AVG RATE 80 BPM  MAX PRESS 8369 PSI, MAX RATE 84 BPM . ISIP 2566 PSI FG 0.80 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 4,500 BBLs SLICKWATER. USED 1,140 BBL OF PRODUCED WATER USED 5694 BBL TOTAL COMBINED  USED 101,520 LBS 100 MESH USED 95,960 LBS 40/70 OTTAWA SAND.  SWI
08:00	10:30	2.50	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 6 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 14,865' (510 BBLs). SET CFP @ 14,865'. PERFORATED STAGE 6 HORIZONTAL INTERVALS 14,655-57 (12 HOLES), 14,715-17' (12 HOLES), 15,775-777 (12 HOLES) AND 14,835-37 (12 HOLES) 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.  SWI, RDWL
10:30	13:30	3.00	SHUTDOWN	ACTIVE	BLENDER SWAP

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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
13:30	15:15	1.75	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 6 HORIZONTAL PERFORATION 14,655- 14,837 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2491  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 5081 PSI. JOB - AVG PRESS 5530 PSI, AVG RATE 81 BPM  MAX PRESS 7257 PSI, MAX RATE 84 BPM . ISIP 2577 PSI FG 0.79 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 4,594 BBLs SLICKWATER. USED 1,214 BBL OF PRODUCED WATER USED 5808 BBL COMBINED  USED 101,020 LBS 100 MESH USED 95,980 LBS 40/70 OTTAWA SAND.  SWI
15:15	17:45	2.50	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 7 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 14,625' (510 BBLs). SET CFP @ 14,625'. PERFORATED STAGE 7 HORIZONTAL INTERVALS 14,415-17, (12 HOLES), 14,475-77 ' (12 HOLES), 14,535-37 (12 HOLES) AND 14,595-97 (12 HOLES) 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.  SWI, RDWL
17:45	18:15	0.50	SHUTDOWN	ACTIVE	WAITING TO FRAC STG 7

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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
18:15	19:45	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 7 HORIZONTAL PERFORATION 14,415- 14,597 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2445  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 4842 PSI. JOB - AVG PRESS 5066 PSI, AVG RATE 80 BPM  MAX PRESS 6147 PSI, MAX RATE 82 BPM . ISIP 2777 PSI FG 0.82PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 4,786 BBLs SLICKWATER. USED 996 BBL OF PRODUCED WATER  USED 101,820 LBS 100 MESH USED 95,120 LBS 40/70 OTTAWA SAND.  SWI
19:45	22:15	2.50	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 8 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 14,395' (407 BBLs). SET CFP @ 14,385'. PERFORATED STAGE 8 HORIZONTAL INTERVALS 14,235-37, (12 HOLES), 14,295-97 ' (12 HOLES), 14,355-57 (12 HOLES) AND 14,595-97 (12 HOLES) 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.  SWI, RDWL
22:15	22:45	0.50	SHUTDOWN	ACTIVE	WAITING TO FRAC STG 8.



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Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
22:45	00:15	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 8 HORIZONTAL PERFORATION 14,175- 14,357 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2456  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 5067 PSI. JOB - AVG PRESS 5475 PSI, AVG RATE 80 BPM  MAX PRESS 6761 PSI, MAX RATE 82 BPM . ISIP 2969 PSI FG 0.85 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 4582 BBLS SLICKWATER. USED 995 BBL OF PRODUCED WATER  USED 102,160 LBS 100 MESH USED 96,400 LBS 40/70 OTTAWA SAND.  SWI
00:15	03:45	3.50	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 9 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 14,155' (419 BBLS). SET CFP @ 14,145'. PERFORATED STAGE 9 HORIZONTAL INTERVALS 13,935-37, (12 HOLES), 13,995-97 ' (12 HOLES), 14,055-57 (12 HOLES) AND 14,115-17 (12 HOLES) 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.  SWI, RDWL
03:45	04:15	0.50	SHUTDOWN	ACTIVE	WAITING TO FRAC STG 9.



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Partner Report

Report # 27 Date: 7/18/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
04:15	06:00	1.75	STIM	ACTIVE	<p>RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 9 HORIZONTAL PERFORATION 13,935- 14,117 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.</p> <p>PUMPED AS FOLLOWS:</p> <p>OPENING WELL PSI - 2402</p> <p>PUMPED 3,000 GALS 7 1/2% HCL ACID</p> <p>BREAK DOWN @ 6622 PSI. JOB - AVG PRESS 5421 PSI, AVG RATE 80 BPM</p> <p>MAX PRESS 7235 PSI, MAX RATE 82 BPM . ISIP 2691 PSI FG 0.80 PSI/FT.</p> <p>USED 3,000 GALS 7 1/2% HCL ACID.</p> <p>USED 4644 BBLs SLICKWATER. USED 1000 BBL OF PRODUCED WATER</p> <p>USED 101,160 LBS 100 MESH USED 96,120 LBS 40/70 OTTAWA SAND.</p> <p>SWI</p>

**UNIVERSITY 49-13 4H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 28 Date: 7/19/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$364,375	Cum To Date (Cost) \$3,771,537	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 82.4
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Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	8.15	\$364,375	\$1,697,671	\$4,797,520	\$3,099,849

**Daily Operations**

Rig

Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 66.44	Report Number 28	Report End Date 7/19/2013
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Last Casing String

PRODUCTION 1, 16,177.0ftKB

Status at 6 AM

FRACING

24 Hour Forecast

FRAC

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	09:00	3.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 10 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 13,905' (408 BBLS). SET CFP @ 13,905'. PERFORATED STAGE 9 HORIZONTAL INTERVALS 13,695-97, (12 HOLES), 13,755-57 ' (12 HOLES), 13,815-17 (12 HOLES) AND 13,875-87 (12 HOLES) 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.  SWI, RDWL
09:00	11:00	2.00	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 10 HORIZONTAL PERFORATION 13,695- 13,877 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2413  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 5655 PSI. JOB - AVG PRESS 5422 PSI, AVG RATE 80 BPM  MAX PRESS 7692 PSI, MAX RATE 82 BPM . ISIP 2427 PSI FG 0.78 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 4306 BBLS SLICKWATER. USED 1483 BBL OF PRODUCED WATER USED 5789 BBL COMBINED  USED 101,960 LBS 100 MESH USED 97,540 LBS 40/70 OTTAWA SAND.  SWI



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Partner Report

Report # 28 Date: 7/19/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
11:00	14:00	3.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 11 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 13,665' (419 BBLS). SET CFP @ 13,665'. PERFORATED STAGE 9 HORIZONTAL INTERVALS 13,455-57, (12 HOLES), 13,515-17 ' (12 HOLES), 13,575-77 (12 HOLES) AND 13,635-37 (12 HOLES) 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.  SWI, RDWL
14:00	15:30	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 11 HORIZONTAL PERFORATION 13,455 - 13,637 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2345  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 5516 PSI. JOB - AVG PRESS 5362 PSI, AVG RATE 76 BPM  MAX PRESS 7867 PSI, MAX RATE 81 BPM . ISIP 2648 PSI FG 0.80 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 5603 BBLS SLICKWATER. USED 1119 BBL OF PRODUCED WATER  USED 102,340 LBS 100 MESH USED 96,760 LBS 40/70 OTTAWA SAND.  SWI .
15:30	18:00	2.50	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 12 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 13425', 370 BBLS. SET CFP @ 13,425'. PERFORATED STAGE 9 HORIZONTAL INTERVALS 13,215-17, (12 HOLES), 13,275-77 ' (12 HOLES), 13,335-37 (12 HOLES) AND 13,395-97 (12 HOLES) 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.  SWI, RDWL
18:00	19:15	1.25	SHUTDOWN	ACTIVE	WAITING TO FRAC STG 12.



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Wellbore Name: OH

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**Partner Report**

**Report # 28 Date: 7/19/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
19:15	20:45	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 12 HORIZONTAL PERFORATION 13,215-13,397 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2452  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 5091 PSI. JOB - AVG PRESS 5158 PSI, AVG RATE 81 BPM  MAX PRESS 6115 PSI, MAX RATE 82 BPM . ISIP 2759 PSI FG 0.82 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 4,806 BBLS SLICKWATER. USED 995 BBL OF PRODUCED WATER  USED 101,880 LBS 100 MESH USED 96,860 LBS 40/70 OTTAWA SAND.  SWI .
20:45	22:30	1.75	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 13 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 13,185', 363 BBLS. SET CFP @ 13,185'. PERFORATED STAGE 9 HORIZONTAL INTERVALS 12,975-77, (12 HOLES), 13,035-37 ' (12 HOLES), 13,095-97 (12 HOLES) AND 13,155-57 (12 HOLES) 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.  SWI, RDWL
22:30	23:00	0.50	SHUTDOWN	ACTIVE	WAITING TO FRAC STG 13



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## Partner Report

Report # 28 Date: 7/19/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
23:00	00:30	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 13 HORIZONTAL PERFORATION 12,975- 13,157 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2395  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 5338 PSI. JOB - AVG PRESS 4973 PSI, AVG RATE 80 BPM  MAX PRESS 6376 PSI, MAX RATE 81 BPM . ISIP 2580 PSI FG 0.80 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 4,706 BBLS SLICKWATER. USED 999 BBL OF PRODUCED WATER  USED 101,600 LBS 100 MESH USED 95,780 LBS 40/70 OTTAWA SAND.  SWI .
00:30	04:00	3.50	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 14 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 12,955', 335 BBLS. SET CFP @ 12,945'. PERFORATED STAGE 9 HORIZONTAL INTERVALS 12,735-37, (12 HOLES), 12,795-97 ' (12 HOLES), 12,855-57 (12 HOLES) AND 12,915-17 (12 HOLES) 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.  SWI, RDWL
04:00	06:00	2.00	SHUTDOWN	ACTIVE	WAITING TO FRAC STG 14.  FTR XXXXXX BBLS.



## UNIVERSITY 49-13 4H

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## Partner Report

Report # 29 Date: 7/20/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$365,030	Cum To Date (Cost) \$4,136,567	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 83.5
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	9.15	\$365,030	\$2,062,701	\$4,797,520	\$2,734,819

## Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	16,177.0	End Depth (TVD) (ftKB)	7,189.8	DFS (days)	67.44	Report Number	29	Report End Date	7/20/2013
Last Casing String											
PRODUCTION 1, 16,177.0ftKB											
Status at 6 AM						24 Hour Forecast					
FRACING						FRAC					

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:00	2.00	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 14 HORIZONTAL PERFORATION 12,735 - 12,917 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2217  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 3804 PSI. JOB - AVG PRESS 4657 PSI, AVG RATE 80 BPM  MAX PRESS 7446 PSI, MAX RATE 82 BPM . ISIP 2416 PSI FG 0.78 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 4,713 BBLs SLICKWATER. USED 960 BBL OF PRODUCED WATER  USED 101,100 LBS 100 MESH USED 96,000 LBS 40/70 OTTAWA SAND.  SWI  .
08:00	11:00	3.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 15 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 12,705 W/ 324 BBLs. SET CFP @ 12,705. PERFORATED HORIZONTAL INTERVALS 12,495-97, (12 HOLES), 12,555-57 ' (12 HOLES), 12,615-17 (12 HOLES) AND 12,675-77 (12 HOLES) 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.  SWI, RDWL

**UNIVERSITY 49-13 4H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 29 Date: 7/20/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
11:00	13:00	2.00	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 15 HORIZONTAL PERFORATION 12,495- 12,677 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2366  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 5109 PSI. JOB - AVG PRESS 4471 PSI, AVG RATE 80 BPM  MAX PRESS 7378 PSI, MAX RATE 80 BPM . ISIP 2534 PSI FG 0.79 PSI/FT.  USED 5,571 BBLS SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 101,040 LBS 100 MESH USED 96,660 LBS 40/70 OTTAWA SAND.  SWI .  13:00 15:00 2.00 PERF ACTIVE RIGGED UP CDK WIRELINE TO PERF STG 16 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 12,465 W/ 363 BBLS. SET CFP @ 12,465. PERFORATED HORIZONTAL INTERVALS 12,255-57, (12 HOLES), 12,315-17 ' (12 HOLES), 12,375-77 (12 HOLES) AND 12,435-37 (12 HOLES) 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.  SWI, RDWL  15:00 16:00 1.00 SHUTDOWN ACTIVE WAITING TO FRAC STAGE 16.



**UNIVERSITY 49-13 4H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 29 Date: 7/20/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST			State/Province TX	
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
16:00	17:30	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 16 HORIZONTAL PERFORATION 12,255 - 12,437 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2286  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 5910 PSI. JOB - AVG PRESS 5088 PSI, AVG RATE 81 BPM  MAX PRESS 7908 PSI, MAX RATE 82 BPM . ISIP 2586 PSI FG 0.80 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 5,506 BBLS SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 101,020 LBS 100 MESH USED 95,960 LBS 40/70 OTTAWA SAND.  SWI .  17:30
17:30	19:30	2.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 17 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 12,225 W/ 363 BBLS. SET CFP @ 12,225. PERFORATED HORIZONTAL INTERVALS 12,015-17, (12 HOLES), 12,075-77 ' (12 HOLES), 12,135-37 (12 HOLES) AND 12,195-97 (12 HOLES) 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.  SWI, RDWL  19:30
19:30	20:30	1.00	SHUTDOWN	ACTIVE	WAITING TO FRAC STAGE 17.

**UNIVERSITY 49-13 4H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 29 Date: 7/20/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
20:30	22:00	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 17 HORIZONTAL PERFORATION 12,015 - 12,197 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2336  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 6527 PSI. JOB - AVG PRESS 4881 PSI, AVG RATE 80 BPM  MAX PRESS 7244 PSI, MAX RATE 82 BPM . ISIP 2775 PSI FG 0.82 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 5516 BBLS SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 101,040 LBS 100 MESH USED 94,680 LBS 40/70 OTTAWA SAND.  SWI .  22:00 00:00 2.00 PERF ACTIVE RIGGED UP CDK WIRELINE TO PERF STG 18 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 11,995 W/ 265 BBLS. SET CFP @ 11,985. PERFORATED HORIZONTAL INTERVALS 11,775-77, (12 HOLES), 11,835-37 ' (12 HOLES), 11,895-97 (12 HOLES) AND 11,955-57 (12 HOLES) 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.  SWI, RDWL  00:00 01:00 1.00 SHUTDOWN ACTIVE WAITING TO FRAC STAGE 18.

**UNIVERSITY 49-13 4H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 29 Date: 7/20/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
01:00	02:30	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 18 HORIZONTAL PERFORATION 11,775 - 11,957 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2279  PUMPED 3,000 GALS 7 1/2% HCL ACID  BREAK DOWN @ 7879 PSI. JOB - AVG PRESS 5310 PSI, AVG RATE 81 BPM  MAX PRESS 7879 PSI, MAX RATE 82 BPM . ISIP 2543 PSI FG 0.79 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 4,463 BBLS SLICKWATER. USED 1,007 BBL OF PRODUCED WATER  USED 100,080 LBS 100 MESH USED 96,920 LBS 40/70 OTTAWA SAND.  SWI .
02:30	04:30	2.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 19 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 11,755 W/ 296 BBLS. SET CFP @ 11,745. PERFORATED HORIZONTAL INTERVALS 11,535-37, (12 HOLES), 11,595-97 ' (12 HOLES), 11,655-57 (12 HOLES) AND 11,715-17 (12 HOLES) 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.  SWI, RDWL
04:30	06:00	1.50	SHUTDOWN	ACTIVE	WAITING TO FRAC STAGE 19.  FTR 118,464 BBLS.



## UNIVERSITY 49-13 4H

Wellbore Name: OH

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## Partner Report

Report # 30 Date: 7/21/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$365,030	Cum To Date (Cost) \$4,501,597	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 84.6
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	10.15	\$365,030	\$2,427,731	\$4,797,520	\$2,369,789

## Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	16,177.0	End Depth (TVD) (ftKB)	7,189.8	DFS (days)	68.44	Report Number	30	Report End Date	7/21/2013
Last Casing String											
PRODUCTION 1, 16,177.0ftKB											
Status at 6 AM						24 Hour Forecast					
FRACING						FRAC					

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:00	2.00	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 19 HORIZONTAL PERFORATION 11,535 - 11717 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2211  BREAK DOWN @ 6524 PSI  JOB - AVG PRESS 5210 PSI, AVG RATE 80 BPM  MAX PRESS 7087 PSI, MAX RATE 81 BPM .  ISIP 2664 PSI FG 0.80 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 5200 BBLs SLICKWATER. USED 400 BBL OF PRODUCED WATER  USED 100,200 LBS 100 MESH USED 96,500 LBS 40/70 OTTAWA SAND.  SWI  .
08:00	10:00	2.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 20 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 11,505 W/ 270 BBLs. SET CFP @ 11,505. PERFORATED HORIZONTAL INTERVALS 11,295-97, (12 HOLES), 11,355-57 ' (12 HOLES), 11,415-17 (12 HOLES) AND 11,475-77 (12 HOLES) 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.  SWI, RDWL



## Partner Report

Report # 30 Date: 7/21/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST			State/Province TX	
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
10:00	12:00	2.00	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 20 HORIZONTAL PERFORATION 11,295 - 11,477 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2372  BREAK DOWN @ 5789 PSI.  JOB - AVG PRESS 4816 PSI, AVG RATE 81 BPM  MAX PRESS 8083 PSI, MAX RATE 82 BPM . ISIP 2589 PSI FG 0.80 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 5580 BBLS SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 101,000 LBS 100 MESH USED 97,620 LBS 40/70 OTTAWA SAND.  SWI .  12:00 14:30 2.50 PERF ACTIVE RIGGED UP CDK WIRELINE TO PERF STG 21 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 11,265 W/ 252 BBLS. SET CFP @ 11,265. PERFORATED HORIZONTAL INTERVALS 11,055-57, (12 HOLES), 11,115-17 ' (12 HOLES), 11,175-77 (12 HOLES) AND 11,235-37 (12 HOLES) 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.  SWI, RDWL



## Partner Report

Report # 30 Date: 7/21/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST			State/Province TX	
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
14:30	14:30		STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 21 HORIZONTAL PERFORATION 11,055 - 11,237 ' W/ 212,000 GALS SLICKWATER, 101,970 LBS 100 MESH AND 95,986 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2347  BREAK DOWN @ 5547 PSI.  JOB - AVG PRESS 4763 PSI, AVG RATE 80 BPM  MAX PRESS 7744 PSI, MAX RATE 821 BPM  ISIP 2555 PSI FG 0.79 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 5561 BBLS SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 101,060 LBS 100 MESH USED 96,100 LBS 40/70 OTTAWA SAND.  SWI  .
14:30	14:30		PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 22 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 11,025 W/ 296 BBLS. SET CFP @ 11,025 . PERFORATED HORIZONTAL INTERVALS 10,815-17, (12 HOLES), 10,875-77 ' (12 HOLES), 10,935-37 (12 HOLES) AND 10,995-97 (12 HOLES) 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.  SWI, RDWL



## Partner Report

Report # 30 Date: 7/21/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
14:30	14:30		STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 22 HORIZONTAL PERFORATION 10,815 - 10,997 ' W/ 230,160 GALS SLICKWATER, 100,020 LBS 100 MESH AND 96,000 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2418  BREAK DOWN @ 6313 PSI.  JOB - AVG PRESS 4601 PSI, AVG RATE 80 BPM  MAX PRESS 6070 PSI, MAX RATE 81 BPM .  ISIP 2871 PSI FG 0.84 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 5480 BBLs SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 100,050 LBS 100 MESH USED 96,000 LBS 40/70 OTTAWA SAND.  SWI .
14:30	14:30		PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 23 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 10,785 W/ 213 BBLs. SET CFP @ 10,785 . PERFORATED HORIZONTAL INTERVALS 10,575-77, (12 HOLES), 10,635-37 ' (12 HOLES), 10,695-97 (12 HOLES) AND 10,755-57 (12 HOLES) 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.  SWI, RDWL



UNIVERSITY 49-13 4H  
Wellbore Name: OH

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Partner Report

Report # 30 Date: 7/21/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
14:30	14:30		STIM	ACTIVE	<p>RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 23 HORIZONTAL PERFORATION 10,575 - 10,757 ' W/ 233,520 GALS SLICKWATER, 101,100 LBS 100 MESH AND 96,460 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.</p> <p>PUMPED AS FOLLOWS:</p> <p>OPENING WELL PSI - 2240</p> <p>BREAK DOWN @ 5957 PSI.</p> <p>JOB - AVG PRESS 4491 PSI, AVG RATE 80 BPM</p> <p>MAX PRESS 6980 PSI, MAX RATE 83 BPM .</p> <p>ISIP 2604 PSI FG 0.80 PSI/FT.</p> <p>USED 3,000 GALS 7 1/2% HCL ACID.</p> <p>USED 5560 BBLS SLICKWATER. USED 0 BBL OF PRODUCED WATER</p> <p>USED 101100 LBS 100 MESH USED 96460 LBS 40/70 OTTAWA SAND.</p> <p>SWI</p>



**UNIVERSITY 49-13 4H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 31 Date: 7/22/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$360,258	Cum To Date (Cost) \$4,875,860	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 85.7
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	11.15	\$360,258	\$2,801,994	\$4,797,520	\$1,995,526

**Daily Operations**

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 69.44	Report Number 31	Report End Date 7/22/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FRACING			24 Hour Forecast FRAC		

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:00	2.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 25 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 10,305 W/ 203 BBLS. SET CFP @ 10,305 . PERFORATED HORIZONTAL INTERVALS 10,095-97, (12 HOLES), 10,155-57" (12 HOLES), 10,215-17 (12 HOLES) AND 10,275-77 (12 HOLES) 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.  SWI, RDWL
08:00	10:00	2.00	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 25 HORIZONTAL PERFORATION 10,090 - 10,277 ' W/ 233,520 GALS SLICKWATER, 101,100 LBS 100 MESH AND 96,460 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2338  BREAK DOWN @ 5584 PSI.  JOB - AVG PRESS 5431 PSI, AVG RATE 81 BPM  MAX PRESS 8170 PSI, MAX RATE 82 BPM .  ISIP 2523 PSI FG 0.79 PSI/FT.  USED 3,000 GALS 7 1/2% HCL ACID.  USED 5493 BBLS SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 101,900 LBS 100 MESH USED 96,040 LBS 40/70 OTTAWA SAND.  SWI  .
10:00	12:00	2.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 26 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 10,065 W/ 191 BBLS. SET CFP @ 10,065 . PERFORATED HORIZONTAL INTERVALS 9,855-57 (12 HOLES), 9,915-17 (12 HOLES), 9,975-77 (12 HOLES) AND 10,035-37 (12 HOLES) 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.  SWI, RDWL

**UNIVERSITY 49-13 4H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 31 Date: 7/22/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST			State/Province TX	
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
12:00	16:30	4.50	STIM	ACTIVE	<p>RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 26 HORIZONTAL PERFORATION 9,855 - 10,037 ' W/ 233,520 GALS SLICKWATER, 101,100 LBS 100 MESH AND 96,460 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.</p> <p>PUMPED AS FOLLOWS:</p> <p>OPENING WELL PSI - 2402</p> <p>BREAK DOWN @ 7813 PSI.</p> <p>JOB - AVG PRESS 6704 PSI, AVG RATE 66 BPM</p> <p>MAX PRESS 8341 PSI, MAX RATE 78 BPM .</p> <p>ISIP 4400 PSI FG 1.0 PSI/FT.</p> <p>USED 3,000 GALS 7 1/2% HCL ACID.</p> <p>USED 4778 BBLs SLICKWATER. USED 0 BBL OF PRODUCED WATER</p> <p>USED 102,200 LBS 100 MESH USED 3,800 LBS 40/70 OTTAWA SAND.</p> <p>SWI</p> <p>NOTE: UNABLE TO MAINTAIN RATE, FLUSHED WELL TO REPAIR PUMPS</p> <p>UNABLE TO RE-ESTABLISH ENOUGH RATE DUE TO PRESSURE ISSUES, CUT STAGE SHORT</p>
16:30	18:30	2.00	PERF	ACTIVE	<p>RIGGED UP CDK WIRELINE TO PERF STG 27 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 9,825 W/ 175 BBLs. SET CFP @ 9,825 . PERFORATED HORIZONTAL INTERVALS 9,615-17 (12 HOLES), 9,675-77 (12 HOLES), 9,735-37 (12 HOLES) AND 9,9795-97 (12 HOLES) 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.</p> <p>SWI, RDWL</p>



## Partner Report

Report # 31 Date: 7/22/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
18:30	20:30	2.00	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 27 HORIZONTAL PERFORATION 9,615 - 9,797 ' W/ 228,228 GALS SLICKWATER, 102,060 LBS 100 MESH AND 95,328 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2224  BREAK DOWN @ 3654 PSI.  JOB - AVG PRESS 4656 PSI, AVG RATE 80 BPM  MAX PRESS 5655 PSI, MAX RATE 83 BPM .  ISIP 2691 PSI FG 0.81 PSI/FT.  USED 3,000 GALS 15% HCL ACID.  USED 5434 BBLs SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 102060 LBS 100 MESH USED 95328 LBS 40/70 OTTAWA SAND.  SWI .
20:30	22:30	2.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 28 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 9,585 W/ 145 BBLs. SET CFP @ 9,585 . PERFORATED HORIZONTAL INTERVALS 9,375-77 (12 HOLES), 9,435-37 (12 HOLES), 9,495-97 (12 HOLES) AND 9,555-57 (12 HOLES) 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.  SWI, RDWL



## Partner Report

Report # 31 Date: 7/22/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST			State/Province TX	
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
22:30	00:30	2.00	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 28 HORIZONTAL PERFORATION 9,375 - 9,557 ' W/ 227,472 GALS SLICKWATER, 100,500 LBS 100 MESH AND 95,210 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2374  BREAK DOWN @ 5776 PSI.  JOB - AVG PRESS 4502 PSI, AVG RATE 78 BPM  MAX PRESS 6386 PSI, MAX RATE 82 BPM .  ISIP 2802 PSI FG 0.83 PSI/FT.  USED 3,000 GALS 15% HCL ACID.  USED 5416 BBLs SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 100500 LBS 100 MESH USED 95210 LBS 40/70 OTTAWA SAND.  SWI .
00:30	02:30	2.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 29 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 9,348' W/ 145 BBLs. SET CFP @ 9,348' . PERFORATED HORIZONTAL INTERVALS 9,135-37' (12 HOLES), 9,195-97' (12 HOLES), 9,255-57' (12 HOLES) AND 9,315-17' (12 HOLES) 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.  SWI, RDWL



UNIVERSITY 49-13 4H  
Wellbore Name: OH

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Partner Report

Report # 31 Date: 7/22/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
02:30	04:30	2.00	STIM	ACTIVE	<p>RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 29 HORIZONTAL PERFORATION 9135 - 9317 ' W/ 225,708 GALS SLICKWATER, 101,620 LBS 100 MESH AND 96,020 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.</p> <p>PUMPED AS FOLLOWS:</p> <p>OPENING WELL PSI - 2331</p> <p>BREAK DOWN @ 5002 PSI.</p> <p>JOB - AVG PRESS 4462 PSI, AVG RATE 80 BPM</p> <p>MAX PRESS 6093 PSI, MAX RATE 82 BPM .</p> <p>ISIP 2723 PSI FG 0.81 PSI/FT.</p> <p>USED 3,000 GALS 15% HCL ACID.</p> <p>USED 5374 BBLs SLICKWATER. USED 0 BBL OF PRODUCED WATER</p> <p>USED 101,620 LBS 100 MESH USED 96,020 LBS 40/70 OTTAWA SAND.</p> <p>SWI</p>



**UNIVERSITY 49-13 4H**  
**Wellbore Name: OH**

**WEST UNRESTRICTED**  
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**Partner Report**

**Report # 32 Date: 7/23/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$360,258	Cum To Date (Cost) \$5,236,118	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 86.8
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	12.15	\$360,258	\$3,162,252	\$4,797,520	\$1,635,268

**Daily Operations**

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 70.44	Report Number 32	Report End Date 7/23/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FRACING			24 Hour Forecast FRAC		

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	09:00	3.00	STRIP	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 30 HORIZONTAL PERFORATION 8,895 - 9,077' W/ 225,708 GALS SLICKWATER, 101,620 LBS 100 MESH AND 96,020 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2188  BREAK DOWN @ 4999 PSI.  JOB - AVG PRESS 4611PSI, AVG RATE 80 BPM  MAX PRESS 6739 PSI, MAX RATE 82 BPM .  ISIP 2634 PSI FG 0.80 PSI/FT.  USED 3,000 GALS 15% HCL ACID.  USED 5366 BBLs SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 101,500 LBS 100 MESH USED 95,260 LBS 40/70 OTTAWA SAND.  SWI  .
09:00	10:30	1.50	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 31 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 8,865' W/ 145 BBLs. SET CFP @ 8,865' . PERFORATED HORIZONTAL INTERVALS 8,655-57' (12 HOLES), 8,715-17' (12 HOLES), 8,775-77' (12 HOLES) AND 8,835-37' (12 HOLES) 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.  SWI, RDWL



## UNIVERSITY 49-13 4H

Wellbore Name: OH

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## Partner Report

Report # 32 Date: 7/23/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST			State/Province TX	
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
10:30	12:00	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 31 HORIZONTAL PERFORATION 8,655 - 8862 ' W/ 225,708 GALS SLICKWATER, 101,620 LBS 100 MESH AND 96,020 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2220  BREAK DOWN @ 4539 PSI.  JOB - AVG PRESS 4532 PSI, AVG RATE 80 BPM  MAX PRESS 6237 PSI, MAX RATE 80 BPM .  ISIP 2520 PSI FG 0.79 PSI/FT.  USED 3,000 GALS 15% HCL ACID.  USED 4555 BBLs SLICKWATER. USED 1004 BBL OF PRODUCED WATER  USED 101,500 LBS 100 MESH USED 96,300 LBS 40/70 OTTAWA SAND.  SWI .
12:00	13:00	1.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 32 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 8,625' W/ 145 BBLs. SET CFP @ 8,625' . PERFORATED HORIZONTAL INTERVALS 8,415-17' (12 HOLES), 8,475-77 (12 HOLES), 8,535-37 (12 HOLES) AND 8,595-97 (12 HOLES) 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.  SWI, RDWL



## Partner Report

Report # 32 Date: 7/23/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
13:00	14:30	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 32 HORIZONTAL PERFORATION 8,415 - 8,597 ' W/ 225,708 GALS SLICKWATER, 101,620 LBS 100 MESH AND 96,020 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2313  BREAK DOWN @ 5430 PSI.  JOB - AVG PRESS 4506 PSI, AVG RATE 80 BPM  MAX PRESS 6750 PSI, MAX RATE 81 BPM .  ISIP 2623 PSI FG 0.80 PSI/FT.  USED 3,000 GALS 15% HCL ACID.  USED 5455 BBLS SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 101,360 LBS 100 MESH USED 97,100 LBS 40/70 OTTAWA SAND.  SWI .
14:30	16:30	2.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 33 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 8,385 W/ 145 BBLS. SET CFP @ 8,385. PERFORATED HORIZONTAL INTERVALS 8,175-77' (12 HOLES), 8,235-37' (12 HOLES), 8,295-97 (12 HOLES) AND 8,355-57' (12 HOLES) 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.  SWI, RDWL





## Partner Report

Report # 32 Date: 7/23/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
16:30	18:30	2.00	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 33 HORIZONTAL PERFORATION 8,175 - 8,357 ' W/ 226,674 GALS SLICKWATER, 101,480 LBS 100 MESH AND 95,080 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2254  BREAK DOWN @ 6035 PSI.  JOB - AVG PRESS 4385 PSI, AVG RATE 79 BPM  MAX PRESS 6306 PSI, MAX RATE 81 BPM .  ISIP 2525 PSI FG 0.79 PSI/FT.  USED 3,000 GALS 15% HCL ACID.  USED 5397 BBLS SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 101,480 LBS 100 MESH USED 95,080 LBS 40/70 OTTAWA SAND.  SWI .
18:30	19:30	1.00	PERF	ACTIVE	RIGGED UP CDK WIRELINE TO PERF STG 34 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 8,145 W/ 55 BBLS. SET CFP @ 8,135. PERFORATED HORIZONTAL INTERVALS 7935-37' (12 HOLES), 7,995-97 (12 HOLES), 8055-57 (12 HOLES) AND 8,115-17 (12 HOLES) 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.  SWI, RDWL

## Partner Report

Report # 32 Date: 7/23/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST			State/Province TX	
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
19:30	21:30	2.00	STIM	ACTIVE	<p>RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 34 HORIZONTAL PERFORATION 7,935 - 8,117 ' W/ 223,724 GALS SLICKWATER, 101,000 LBS 100 MESH AND 96,180 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.</p> <p>PUMPED AS FOLLOWS:</p> <p>OPENING WELL PSI - 2260</p> <p>BREAK DOWN @ 5728 PSI.</p> <p>JOB - AVG PRESS 4326 PSI, AVG RATE 78 BPM</p> <p>MAX PRESS 6331 PSI, MAX RATE 84 BPM .</p> <p>ISIP 2829 PSI FG 0.83 PSI/FT.</p> <p>USED 3,000 GALS 15% HCL ACID.</p> <p>USED 4998 BBLS SLICKWATER. USED 329 BBL OF PRODUCED WATER</p> <p>USED 101,000 LBS 100 MESH USED 96,180 LBS 40/70 OTTAWA SAND.</p> <p>SWI</p> <p>.</p>
21:30	22:30	1.00	PERF	ACTIVE	<p>RIGGED UP CDK WIRELINE TO PERF STG 35 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 8,145 W/ 55 BBLS. SET CFP @ 8,135. PERFORATED HORIZONTAL INTERVALS 7935-37' (12 HOLES), 7,995-97 (12 HOLES), 8055-57 (12 HOLES) AND 8,115-17 (12 HOLES) 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.</p> <p>SWI, RDWL</p>



## Partner Report

Report # 32 Date: 7/23/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
22:30	00:00	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 35 HORIZONTAL PERFORATION 7,935 - 8,117 ' W/ 223,724 GALS SLICKWATER, 101,000 LBS 100 MESH AND 96,180 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2260  BREAK DOWN @ 5728 PSI.  JOB - AVG PRESS 4326 PSI, AVG RATE 78 BPM  MAX PRESS 6331 PSI, MAX RATE 84 BPM .  ISIP 2829 PSI FG 0.83 PSI/FT.  USED 3,000 GALS 15% HCL ACID.  USED 4998 BBLS SLICKWATER. USED 329 BBL OF PRODUCED WATER  USED 101,000 LBS 100 MESH USED 96,180 LBS 40/70 OTTAWA SAND.  SWI .  00:00 01:00 1.00 PERF ACTIVE RIGGED UP CDK WIRELINE TO PERF STG 36 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES CFP TO 8,145 W/ 55 BBLS. SET CFP @ 8,135. PERFORATED HORIZONTAL INTERVALS 7935-37' (12 HOLES), 7,995-97 (12 HOLES), 8055-57 (12 HOLES) AND 8,115-17 (12 HOLES) 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.  SWI, RDWL



## Partner Report

Report # 32 Date: 7/23/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
01:00	01:00		STIM	ACTIVE	<p>RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 36 HORIZONTAL PERFORATION 7,935 - 8,117 ' W/ 223,724 GALS SLICKWATER, 101,000 LBS 100 MESH AND 96,180 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.</p> <p>PUMPED AS FOLLOWS:</p> <p>OPENING WELL PSI - 2260</p> <p>BREAK DOWN @ 5728 PSI.</p> <p>JOB - AVG PRESS 4326 PSI, AVG RATE 78 BPM</p> <p>MAX PRESS 6331 PSI, MAX RATE 84 BPM .</p> <p>ISIP 2829 PSI FG 0.83 PSI/FT.</p> <p>USED 3,000 GALS 15% HCL ACID.</p> <p>USED 4998 BBLs SLICKWATER. USED 329 BBL OF PRODUCED WATER</p> <p>USED 101,000 LBS 100 MESH USED 96,180 LBS 40/70 OTTAWA SAND.</p> <p>SWI</p> <p>.</p>



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Wellbore Name: OH

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## Partner Report

Report # 33 Date: 7/24/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$110,505	Cum To Date (Cost) \$5,346,623	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 87.9
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	13.15	\$110,505	\$3,272,757	\$4,797,520	\$1,524,763

## Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 71.44	Report Number 33	Report End Date 7/24/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM SHUT IN			24 Hour Forecast RDMO ALL VENDORS		

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:30	1.50	STIM	ACTIVE	RIGGED UP WEATHERFORD, TRIDENT WT, OIL STATES WHIT TO FRAC STAGE 36 HORIZONTAL PERFORATION 7,935 - 8,117 ' W/ 223,724 GALS SLICKWATER, 101,000 LBS 100 MESH AND 96,180 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING.  PUMPED AS FOLLOWS:  OPENING WELL PSI - 2162  BREAK DOWN @ 4679 PSI.  JOB - AVG PRESS 4016 PSI, AVG RATE 77 BPM  MAX PRESS 7416 PSI, MAX RATE 82 BPM .  ISIP 2372 PSI FG 0.77 PSI/FT.  USED 3,000 GALS 15% HCL ACID.  USED 5859 BBLs SLICKWATER. USED 0 BBL OF PRODUCED WATER  USED 109,020 LBS 100 MESH USED 105,920 LBS 40/70 OTTAWA SAND.  SWI  .
07:30	08:30	1.00			SET KILL PLUG @ 6500'  RDMO ALL VENDORS  100 MESH SAND - 3,650,860  40/70 SAND - 3,339,392  LOAD TO RECOVER - 201,841 BBL  SHUT IN WELL - WAIT ON DRILL OUT OPERATION
08:30	06:00	21.50			
06:00	06:00				



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## Partner Report

Report # 34 Date: 8/8/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$26,323	Cum To Date (Cost) \$5,372,946	Total WBS+Sup (Cost) \$6,387,520	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	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	14.15	\$26,323	\$3,299,080	\$4,797,520	\$1,498,440

## Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	86.44	34	8/8/2013
Last Casing String					
PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM			24 Hour Forecast		
TIH W/ BIT & MOTOR			DRILL CFPs		

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	01:00	19.00	SHUTDOWN	ACTIVE	
01:00	04:30	3.50	RIGU	ACTIVE	MIRU SELECT WOR #4, SET UP CATWALK, PIPE RACKS & 2 7/8" PH-6 WORKSTRING.
04:30	06:00	1.50	BOPS	ACTIVE	NUBOP, HU FLOWLINES.



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**Partner Report**

**Report # 35 Date: 8/9/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$27,940	Cum To Date (Cost) \$5,400,886	Total WBS+Sup (Cost) \$6,387,520	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	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	15.15	\$27,940	\$3,327,020	\$4,797,520	\$1,470,500

**Daily Operations**

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	16,177.0	End Depth (TVD) (ftKB)	7,189.8	DFS (days)	87.44	Report Number	35	Report End Date	8/9/2013

Last Casing String PRODUCTION 1, 16,177.0ftKB	
Status at 6 AM WOR BROKE DOWN	24 Hour Forecast REPAIR WOR, CONTINUE DRILL OUT

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:00	2.00	RIGU	ACTIVE	FINISHED SETTING UP WORKSTRING AND EQUIPMENT. TEST BOP,
08:00	08:30	0.50	SAFETY	ACTIVE	HELD PRE-JOB SAFETY MEETING.
08:30	13:15	4.75	TRIP	ACTIVE	TIH W/ 4 3/4" JAYZEE BIT, 2 7/8" O.D. MOTOR, X/O AND 211 JTS 2 7/8" PH-6 WORKSTRING. TAGGED SAFETY PLUG @ 6,540'.
13:15	14:45	1.50	DRLG	ACTIVE	RU POWER SWIVEL AND KELLY HOSE, BREAK CIRC, DRLD KP.
14:45	15:30	0.75	INACTIVE	INACTIVE	TEE IN CIRC LINES WASHED OUT, REPLACED BAD TEE.
15:30	16:30	1.00	CIRC	ACTIVE	CIRC WELL.
16:30	19:30	3.00	DRLG	ACTIVE	TAGGED CFP #1 @ 7,695' W/ 248 JTS (DRLD 40 MINS). TIH, TAGGED CFP #2 @ 7,939' W/ 256 JTS (DRLD 42 MINS). TIH, TAGGED CFP #3 @ 8,186' W/ 264 JTS ( DRLD 44 MINS).
19:30	20:45	1.25	CIRC	ACTIVE	CIRC GEL SWEEP, RECOVERD PLUG DEBRIS AND LIGHT SAND.
20:45	23:45	3.00	DRLG	ACTIVE	TIH, TAGGED CFP #4 @ 8,413' W/ 271 JTS (DRLD 25 MINS). TIH, TAGGED CFP #5 @ 8,660' W/ 279 JTS (DRLD 32 MINS). TIH, TAGGED CFP #6 @ 8,898' W/ 287 JTS (DRLD 9 MINS)
23:45	01:15	1.50	CIRC	ACTIVE	PUMPED GEL SWEEP, RECOVERED PLUG DEBRIS AND MED. SAND.
01:15	02:15	1.00	DRLG	ACTIVE	TIH, TAGGED CFP #7 @ 9,142' W/ 295 JTS (DRLD 38 MINS). WOR BROKE DOWN.
02:15	06:00	3.75	INACTIVE	INACTIVE	TRANSMISSION OVERHEATING ON WOR. CIRC WELL WHILE WATING ON MECHANIC.



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## Partner Report

Report # 36 Date: 8/10/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$38,500	Cum To Date (Cost) \$5,439,386	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 100.0
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Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	16.15	\$38,500	\$3,365,520	\$4,797,520	\$1,432,000

## Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	16,177.0	End Depth (TVD) (ftKB)	7,189.8	DFS (days)	88.44	Report Number	36	Report End Date	8/10/2013
Last Casing String											
PRODUCTION 1, 16,177.0ftKB											
Status at 6 AM						24 Hour Forecast					

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	12:00	6.00	INACTIVE	INACTIVE	POOH TO 6,879', REPAIRED WOR (TRANSMISSION OVERHEATING, PULLED NON-WORKING THERMOSTAT OFF TRANSMISSION, TIH TO 9,177', RU POWER SWIVEL.
12:00	15:00	3.00	DRLG	ACTIVE	LOAD TBG, BREAK CIRC, TIH, TAGGED CFP #8 @ 9,386' W/ 302 JTS (DRLD 22 MINS). TIH, TAGGED CFP #9 @ 9,640' W/ 311 JTS (DRLD 34 MINS). TIH, TAGGED CFP #10 @ 9,860' W/ 318 JTS (DRLD 28 MINS).
15:00	16:30	1.50	CIRC	ACTIVE	PUMPED GEL SWEEP, CIRC WELL CLEAN. RECOVERED PLUG DEBRIS W/ LIGHT SAND.
16:30	19:15	2.75	DRLG	ACTIVE	TIH, TAGGED CFP #11 @ 10,101' W/ 325 JTS (DRLD 24 MINS). TIH, TAGGED CFP #12 @ 10,194' W/ 330 JTS (DRLD 24 MINS). TIH, TAGGED CFP #13 @ 10,351' W/ 335 JTS (DRLD MINS).
19:15	20:45	1.50	CIRC	ACTIVE	PUMPED GEL SWEEP, CIRC WELL CLEAN. RECOVERED PLUG DEBRIS W/ LIGHT-MEDIUM SAND.
20:45	23:45	3.00	DRLG	ACTIVE	TIH, TAGGED CFP #14 @ 10,586' W/ 341 JTS (DRLD 24 MINS). TIH, TAGGED CFP #15 @ 10,824' W/ 349 JTS (DRLD 22 MINS). TIH, TAGGED CFP #16 @ 11,062' W/ 357 JTS (DRLD 30 MINS).
23:45	04:15	4.50	CIRC	ACTIVE	PUMPED GEL SWEEP, SAND-X STOPPED WORKING,(HAD HEAVY SAND IN RETURNS, OVERLOADED AUGER) FIXED SAND-X. CIRC WELL CLEAN. RECOVERED PLUG DEBRIS W/ HEAVY SAND.
04:15	06:00	1.75	DRLG	ACTIVE	TIH, TAGGED CFP #17 @ 11,308' W/ 364 JTS (DRLD 20 MINS). CHANGING CREWS AT REPORT TIME.





**UNIVERSITY 49-13 4H**  
Wellbore Name: OH

**WEST UNRESTRICTED**  
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**Partner Report**

**Report # 37 Date: 8/11/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$27,445	Cum To Date (Cost) \$5,466,831	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 100.0
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Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	17.15	\$27,445	\$3,392,965	\$4,797,520	\$1,404,555

**Daily Operations**

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	89.44	37	8/11/2013

Last Casing String  
PRODUCTION 1, 16,177.0ftKB

Status at 6 AM SHUTDOWN	24 Hour Forecast SHUTDOWN
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:30	2.50	DRLG	ACTIVE	TIH, TAGGED CFP #18 @ 11,554' W/ 372 JTS (DRLD 23 MINS). TIH, TAGGED CFP #19 @ 11,783' W/ 380 JTS (DRLD 30 MINS).
08:30	10:15	1.75	CIRC	ACTIVE	PUMPED GEL SWEEP, CIRC WELL CLEAN. RECOVERED PLUG DEBRIS W/ MEDIUM-HEAVY SAND.
10:15	12:45	2.50	DRLG	ACTIVE	TIH, TAGGED CFP #20 @ 12,021' W/ 388 JTS (DRLD 40 MINS). TIH, TAGGED CFP #21 @ 12,270' W/ 396 JTS (DRLD 25 MINS).
12:45	14:45	2.00	CIRC	ACTIVE	PUMPED GEL SWEEP, CIRC WELL CLEAN. RECOVERED PLUG DEBRIS W/ MEDIUM SAND.
14:45	15:00	0.25	RIGD	ACTIVE	RD POWER SWIVEL
15:00	17:00	2.00	TRIP	ACTIVE	POOH W/ 176 JTS, EOT @ 6,879'. SWI, SECURED BOP PIPE RAMS, SI FLOW CROSS AND TIW VALVE, SDFWE.
17:00	06:00	13.00	SHUTDOWN	ACTIVE	



UNIVERSITY 49-13 4H  
Wellbore Name: OH

WEST UNRESTRICTED  
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Partner Report

Report # 38 Date: 8/12/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$14,520	Cum To Date (Cost) \$5,481,351	Total WBS+Sup (Cost) \$6,387,520	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	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	18.15	\$14,520	\$3,407,485	\$4,797,520	\$1,390,035

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 90.44	Report Number 38	Report End Date 8/12/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM			24 Hour Forecast		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	SHUTDOWN	ACTIVE	



## UNIVERSITY 49-13 4H

Wellbore Name: OH

WEST UNRESTRICTED

CONFIDENTIAL

## Partner Report

Report # 38 Date: 8/13/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$21,150	Cum To Date (Cost) \$5,487,981	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 100.0
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Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	18.15	\$21,150	\$3,414,115	\$4,797,520	\$1,383,405

## Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	91.44	38	8/13/2013

Last Casing String PRODUCTION 1, 16,177.0ftKB
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Status at 6 AM POOH.	24 Hour Forecast LAND PROD TBG.
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## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:15	0.25	SHUTDOWN	ACTIVE	DROVE TO LOCATION. HELD PJSM.
06:15	06:30	0.25	PCHECK	ACTIVE	SITP 0 PSI. SICP 650 PSI. SISCP 0 PSI.
06:30	10:00	3.50	TRIP	ACTIVE	RIH W/ 176 JTS WS. TAGGED OBJECT @ 12,331'. RU SWIVEL & ESTABLISHED CIRCULATION. ROTATED & CIRCULATED DOWN TO 12,492' W/ 403 JTS WS IN HOLE.
10:00	13:30	3.50	DRLG	ACTIVE	DRILLED DOWN TO 12,495' & STOPPED MAKING HOLE. ROTATED 3.5 HRS PICKING UP TO PUMP HIGH VIS SWEEP 2 TIMES W/ VERY LITTLE SOLIDS @ SANDEX.
13:30	18:00	4.50	TRIP	ACTIVE	POOH W/ 301 JTS WS. LEFT 101 JTS WS IN HOLE W/ EOT @ 3,162'. PREP FOR SNUBBING UNIT.
18:00	06:00	12.00	FLWTST	ACTIVE	FLOWED WELL TO TANKS 12 HRS ON OPEN CHOKE. LH FCP 50 PSI. FTR 216,923 BBL. RT 3,576 BBL. CR 3,576 BBL. LTR 213,347 BBL BBL.



**UNIVERSITY 49-13 4H**  
Wellbore Name: OH

**WEST UNRESTRICTED**  
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**Partner Report**

**Report # 39 Date: 8/14/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$35,150	Cum To Date (Cost) \$5,523,131	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 100.0
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Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	19.15	\$35,150	\$3,449,265	\$4,797,520	\$1,348,255

**Daily Operations**

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	92.44	39	8/14/2013

Last Casing String PRODUCTION 1, 16,177.0ftKB
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Status at 6 AM POOH.	24 Hour Forecast DRILL CFP.
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:30	1.50	TRIP	ACTIVE	POOH W/ 40 JTS WS. LANDED TBG.
07:30	10:30	3.00	RIGU	ACTIVE	MIRU BADGER SNUBBING UNIT.
10:30	13:00	2.50	RIGSVC	ACTIVE	REPAIR RIG.
13:00	14:30	1.50	TRIP	ACTIVE	SNUBBED OUT WS & 6" TOP OF MOTOR.
14:30	18:30	4.00	WLHEAD	ACTIVE	W/O FISHING TOOLS.
18:30	01:30	7.00	TRIP	ACTIVE	RIH W/ 4 3/8" OD OVERSHOT, XOVER & 403 JTS WS.
01:30	04:00	2.50	FISH	ACTIVE	RU SWIVEL. BROKE CIRCULATION. ROTATED & CIRCULATED OVER TOF@ 12,484'.
04:00	06:00	2.00	TRIP	ACTIVE	POOH W/ WS, TOOLS & FISH @ REPORT TIME.
					FTR 217,063 BBL. RT 2,950 BBL. CR 6,526 BBL. LTR 210,537 BBL BBL.
					NOTE - FCP 25 PSI ON OPEN CHOKE.

**UNIVERSITY 49-13 4H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 40 Date: 8/15/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$40,150	Cum To Date (Cost) \$5,563,281	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 100.0
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Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	20.15	\$40,150	\$3,489,415	\$4,797,520	\$1,308,105

**Daily Operations**

Rig

Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 93.44	Report Number 40	Report End Date 8/15/2013
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Last Casing String

PRODUCTION 1, 16,177.0ftKB

Status at 6 AM

RIH TO DRILL CFP.

24 Hour Forecast

DRILL.

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	10:00	4.00	TRIP	ACTIVE	FINISHED SNUBBING OUT WS & FISHING TOOLS. DID NOT CATCH DOWN HOLE MOTOR. GRAPPLE SHOWED TO BE DULL @ FIRST SLIP TO GO OVER FISH.
10:00	14:00	4.00	WLHEAD	ACTIVE	W/O NEW FISHING TOOL.
14:00	18:00	4.00	RUNCOM	ACTIVE	RIH W/ 4 3/8" OD OVERSHOT W/ 2 7/8" GRAPPLE, XOVER & 403 JTS WS.
18:00	21:00	3.00	FISH	ACTIVE	RU SWIVEL. BROKE CIRCULATION. ROTATED & CIRCULATED OVER TOF@ 12,474'. WORKED FISH DOWN TO 12,481'.
21:00	06:00	9.00	TRIP	ACTIVE	POOH DRAGGING 15K - 20K. AFTER PULLING BY 20* STARTED PULLING FREE. POOH W/ WS, BHA & FISH ( MOTOR & BIT ). PREP TO DRILL PLUGS @ REPORT TIME.
					FTR 217,163 BBL. RT 2,082 BBL. CR 8,608 BBL. LTR 208,555 BBL BBL.
					NOTE - FCP 25 PSI ON OPEN CHOKE.



## UNIVERSITY 49-13 4H

Wellbore Name: OH

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## Partner Report

Report # 41 Date: 8/16/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$40,150	Cum To Date (Cost) \$5,603,431	Total WBS+Sup (Cost) \$6,387,520	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	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	21.15	\$40,150	\$3,529,565	\$4,797,520	\$1,267,955

## Daily Operations

Rig

Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 94.44	Report Number 41	Report End Date 8/16/2013
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Last Casing String

PRODUCTION 1, 16,177.0ftKB

Status at 6 AM

W/O RIG TONGS

24 Hour Forecast

DRILL.

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:30	2.50	WLHEAD	ACTIVE	PREP TO RIH TO DRILL PLUGS.
08:30	10:30	2.00	TRIP	ACTIVE	RIH W/ BIT, MOTOR & 61 JTS WS. STOPPED TO TEST MOTOR. PRESSURE 1800 PSI ON MOTOR.
10:30	11:30	1.00	TRIP	ACTIVE	POOH W/ WS & MOTOR.
11:30	16:00	4.50	WLHEAD	ACTIVE	W/O MOTOR. WORK ON MOTOR.
16:00	18:00	2.00	TRIP	ACTIVE	RIH W/ BHA & 61 JTS WS. PUMPED THROUGH MOTOR OK.
18:00	21:00	3.00	RIGD	ACTIVE	RD BADGER SNUBBING UNIT.
21:00	00:00	3.00	BOPS	ACTIVE	NU HOTDRILL STACK.
00:00	02:00	2.00	TRIP	ACTIVE	CONTINUED RIH W/ WS. STOPPED TO PICKUP 6 DRILL COLLARS. MADE UP FIRST COLLAR & RIG TONGS BROKE.
02:00	06:00	4.00	RIGSVC	ACTIVE	W/O RIG TONGS @ REPORT TIME.
					FTR 217,163 BBL. RT 1,852 BBL. CR 10,460 BBL. LTR 206,703 BBL BBL.
					NOTE - FCP 130 PSI ON OPEN CHOKE.



## UNIVERSITY 49-13 4H

Wellbore Name: OH

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## Partner Report

Report # 42 Date: 8/17/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$32,650	Cum To Date (Cost) \$5,636,081	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 100.0
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Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	22.15	\$32,650	\$3,562,215	\$4,797,520	\$1,235,305

## Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	16,177.0	End Depth (TVD) (ftKB)	7,189.8	DFS (days)	95.44	Report Number	42	Report End Date	8/17/2013

Last Casing String PRODUCTION 1, 16,177.0ftKB
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Status at 6 AM DRILLING.	24 Hour Forecast FLOW TEST.
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## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	09:30	3.50	WLHEAD	ACTIVE	W/O TONGS. REPLACED TONGS.
09:30	12:00	2.50	TRIP	ACTIVE	CONTINUED PICKING UP DRILL COLLARS. RIH W/ 65 JTS WS. SET DOWN @ 11,965' W/ 379 JTS WS & 5 DC IN HOLE.
12:00	14:00	2.00	CIRC	ACTIVE	ESTABLISHED CIRCULATION.
14:00	06:00	16.00	DRLG	ACTIVE	ROTATED THROUGH 11,965'. CONTINUED RIH TO 12,465'. DRILLED OUT 6 CFP. DRILLING @ 13,905' @ REPORT TIME.  NOTE - PUMPED 1,620 BBL 24 HRS.  FTR 217,163 BBL. RT 2,399 BBL. CR 12,859 BBL. LTR 204,304 BBL BBL.  OIL 90 BBL TODAY. TOTAL 90 BBL.  NOTE - FCP 130 PSI ON OPEN CHOKE.



## UNIVERSITY 49-13 4H

Wellbore Name: OH

WEST UNRESTRICTED

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## Partner Report

Report # 43 Date: 8/18/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$23,750	Cum To Date (Cost) \$5,659,831	Total WBS+Sup (Cost) \$6,387,520	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	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	23.15	\$23,750	\$3,585,965	\$4,797,520	\$1,211,555

## Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 96.44	Report Number 43	Report End Date 8/18/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWING.			24 Hour Forecast FLOW TEST.		

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	11:00	5.00	DRLG	ACTIVE	DRILLED OUT FCP @ 13,905', 14,145' & 14,385'. CONTINUED RIH TO CFP @ 14,625' W/ 470 JT WS IN HOLE.
11:00	14:30	3.50	CIRC	ACTIVE	CIRCULATED HOLE CLEAN.
14:30	18:30	4.00	TRIP	ACTIVE	POOH W/ 263 JTS WS & 5 DC. LEFT 202 JTS WS IN HOLE W/ EOT @ 6,482'. LEFT WELL FLOWING. SHUT RIG DOWN UNTIL MONDAY 8/19/2013.
18:30	06:00	11.50	FLWTST	ACTIVE	FLOWED WELL 11.5 HRS TO TANKS RECOVERING ____ BBL.



**UNIVERSITY 49-13 4H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 44 Date: 8/20/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$23,750	Cum To Date (Cost) \$5,683,581	Total WBS+Sup (Cost) \$6,387,520	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	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	24.15	\$23,750	\$3,609,715	\$4,797,520	\$1,187,805

**Daily Operations**

Rig											
SELECT WELL SERVICE, 4											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	16,177.0	End Depth (TVD) (ftKB)	7,189.8	DFS (days)	98.44	Report Number	44	Report End Date	8/20/2013
Last Casing String											
PRODUCTION 1, 16,177.0ftKB											
Status at 6 AM						24 Hour Forecast					
SI						CONTINUE D/O PLUGS					

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	14:00	8.00	RUNCOM	ACTIVE	RIH W/ TBG AND DRILLING BHA. NOTE: RIG LOST AIR PRESSURE AND WAS SHUT DOWN TO MAKE REPAIRS. REPAIRS TOOK 6 HRS. RESUMED RIH W/ TBG AND DRILLING BHA. STACKED OUT W/ 39 STANDS REMAINING IN DERRICK.
14:00	16:00	2.00	PULCOM	ACTIVE	POOH LAYING DOWN 61 JTS TBG.
16:00	18:00	2.00	RUNCOM	ACTIVE	RIH W/ 30 STANDS TBG
18:00	20:00	2.00	RUNCOM	ACTIVE	SHIFT CHANGE. LD 18 JTS TBG.. RIH W/ 9 STANDS TBG.
20:00	02:00	6.00	RMWASH	ACTIVE	PU POWER SWIVEL AND BROKE CIRCULATION. WORKED DOWN TBG AND DRILLING BHA. HAD TROUBLE GETTING TBG DOWN BETWEEN 12, 275' AND 13, 721'. TAGGED PLUG 1 OF 6 REMAINING @ 02:00 HRS AT 14,751'.
02:00	06:00	4.00	DRLG	ACTIVE	D/O PLUG IN 12 MINUTES. CONTINUE PU AND RIH W/ POWER SWIVEL. TAGGED PLUG 2 OF 6 REAMAINING AT 14,914'. NOTE:ROP FELL OFF PROBABLY DUE TO JUNK PROM PREVIOUS PLUG PUSHING AHEAD OF BHA. GETTING APPROX. 2 BPM RETURNS.
06:00	06:00				OART - CONTINUE D/O PLUGS



UNIVERSITY 49-13 4H  
Wellbore Name: OH

WEST UNRESTRICTED  
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Partner Report

Report # 45 Date: 8/21/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$30,100	Cum To Date (Cost) \$5,720,031	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%) 100.0
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Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	25.15	\$30,100	\$3,646,165	\$4,797,520	\$1,151,355

Daily Operations

Rig SELECT WELL SERVICE, 4											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	16,177.0	End Depth (TVD) (ftKB)	7,189.8	DFS (days)	99.44	Report Number	45	Report End Date	8/21/2013

Last Casing String PRODUCTION 1, 16,177.0ftKB
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Status at 6 AM CONTINUE D/O PLUGS	24 Hour Forecast FINISH LD WORK STRING TBG. RIH W/ PRODUCTION TBG AND BHA.
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Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	12:00	6.00	DRLG	ACTIVE	RIH W/ TBG AND TAGGED 4TH PLUG OF 6 REMAINING @ 15,467'. D/O PLUG IN 15 MINUTES. RIH W/ TBG AND TAGGED 5TH PLUG OF 6 REMAINING @ 15,625'. D/O PLUG IN 15 MINUTES. RIH W/ TBG AND TAGGED 6TH PLUG OF 6 REMAINING @ 15,845'. D/O PLUG IN 20 MINUTES. WASHED DOWN TO PBTD OF 16,035'.
12:00	16:00	4.00	CIRC	ACTIVE	CIRCULATED 2X BOTTOMS UP UNTIL HOLE CLEANED UP.
16:00	18:00	2.00	PULCOM	ACTIVE	LD POWER SWIVEL. ATTEMPTED TO POOH W/ TBG AND DRILLING BHA. TBG DRAGGING EXCESSIVELY WHILE PULLING. PU POWER SWIVEL AND CIRCULATED 5 GAL. FR 50 BBLS SPACER AND 5 MORE GAL. FR.
18:00	06:00	12.00	PULCOM	ACTIVE	SHIFT CHANGE. LD POWER SWIVEL. POOH LAYING DOWN WORK STRING TBG AND DRILLING BHA. POOH LAYING DOWN WORK STRING AND DRILL COLLARS. NOTIFIED BADGER SU. WELL HAS 20 PSI ON ANNULUS AND IS PRODUCING 0.5 TO 1 BPM AT PRESENT.
06:00	06:00				OART - CONTINUE LAYING DOWN WORK STRING. PU AND RIH W/ PRODUCTION TBG AND BHA.



UNIVERSITY 49-13 4H  
Wellbore Name: OH

WEST UNRESTRICTED  
CONFIDENTIAL

Partner Report

Report # 46 Date: 8/22/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$26,500	Cum To Date (Cost) \$5,746,531	Total WBS+Sup (Cost) \$6,387,520	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	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	26.15	\$26,500	\$3,672,665	\$4,797,520	\$1,124,855

Daily Operations

Rig SELECT WELL SERVICE, 4					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 100.44	Report Number 46	Report End Date 8/22/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM POOH LAYING DOWN WORK STRING TBG AND DRILLING BHA			24 Hour Forecast LAND PRODUCTION TBG. RDMO PULLING UNIT.		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	10:00	4.00	PULCOM	ACTIVE	FINISH POOH LAYING DOWN WORK STRING TBG AND DRILLING BHA.
10:00	18:00	8.00	RUNCOM	ACTIVE	SWAP PIPE OUT ON RACKS AND TALLY PRODUCTION TBG. PU AND RIH W/ PRODUCTION TBG AND 10 GAS LIFT MANDRELS.
18:00	19:00	1.00	RUNCOM	ACTIVE	SHIFT CHANGE. FINISH RIH W/ PRODUCTION TBG EOT @ 7357' WITH A TOTAL OF 229 JTS.
19:00	21:00	2.00	BOPS	ACTIVE	ND BOPS, NU WELLHEAD.
21:00	22:00	1.00	RIGD	ACTIVE	RDMO PULLING UNIT
22:00	22:00				OART - FLOWBACK



## UNIVERSITY 49-13 4H

Wellbore Name: OH

WEST UNRESTRICTED

CONFIDENTIAL

## Partner Report

Report # 47 Date: 8/23/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$11,500	Cum To Date (Cost) \$5,758,031	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	27.15	\$11,500	\$3,684,165	\$4,797,520	\$1,113,355

## Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	16,177.0	End Depth (TVD) (ftKB)	7,189.8	DFS (days)	101.44	Report Number	47	Report End Date	8/23/2013
Last Casing String											
PRODUCTION 1, 16,177.0ftKB											
Status at 6 AM						24 Hour Forecast					
SI						FLOWBACK					

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	16 hr FLOWBACK TUB- 12 CAS- 0 OIL- 0 WTR- 339 GAS- 0



## UNIVERSITY 49-13 4H

Wellbore Name: OH

WEST UNRESTRICTED

CONFIDENTIAL

## Partner Report

Report # 48 Date: 8/24/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$11,000	Cum To Date (Cost) \$5,769,031	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	28.15	\$11,000	\$3,695,165	\$4,797,520	\$1,102,355

## Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 102.44	Report Number 48	Report End Date 8/24/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	FLOWBACK:  TUBING - 0 CASING - 25 CHK - W/O OIL - 0 GAS - 0 WATER (24 HR) - 249



**UNIVERSITY 49-13 4H**  
Wellbore Name: OH

**WEST UNRESTRICTED**  
**CONFIDENTIAL**

**Partner Report**

**Report # 49 Date: 8/25/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$11,000	Cum To Date (Cost) \$5,780,031	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	29.15	\$11,000	\$3,706,165	\$4,797,520	\$1,091,355

**Daily Operations**

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 103.44	Report Number 49	Report End Date 8/25/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	FLOWBACK:  TUBING - 0 CASING - 80 CHK - W/O OIL - 0 GAS - 0 WATER (24 HR) - 151



UNIVERSITY 49-13 4H  
Wellbore Name: OH

WEST UNRESTRICTED  
CONFIDENTIAL

Partner Report

Report # 50 Date: 8/26/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$11,000	Cum To Date (Cost) \$5,791,031	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	30.15	\$11,000	\$3,717,165	\$4,797,520	\$1,080,355

Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	104.44	50	8/26/2013

Last Casing String  
PRODUCTION 1, 16,177.0ftKB

Status at 6 AM FLOWBACK	24 Hour Forecast FLOWBACK
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Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description



UNIVERSITY 49-13 4H  
Wellbore Name: OH

WEST UNRESTRICTED  
CONFIDENTIAL

Partner Report

Report # 51 Date: 8/27/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$11,000	Cum To Date (Cost) \$5,802,031	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	31.15	\$11,000	\$3,728,165	\$4,797,520	\$1,069,355

Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	105.44	51	8/27/2013

Last Casing String PRODUCTION 1, 16,177.0ftKB
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Status at 6 AM FLOWBACK	24 Hour Forecast FLOWBACK
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Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	FLOWBACK:  TUBING - 0 CASING - 50 CHK - W/O OIL - 0 GAS - 0 WATER (24 HR) - 42





UNIVERSITY 49-13 4H  
Wellbore Name: OH

WEST UNRESTRICTED  
CONFIDENTIAL

Partner Report

Report # 52 Date: 8/28/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$11,000	Cum To Date (Cost) \$5,813,031	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	32.15	\$11,000	\$3,739,165	\$4,797,520	\$1,058,355

Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	106.44	52	8/28/2013

Last Casing String PRODUCTION 1, 16,177.0ftKB
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Status at 6 AM FLOWBACK	24 Hour Forecast FLOWBACK
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Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	FLOWBACK:  TUBING - 0 CASING - 0 CHK - W/O OIL - 0 GAS - 0 WATER (24 HR) - 0



**UNIVERSITY 49-13 4H**  
Wellbore Name: OH

**WEST UNRESTRICTED**  
**CONFIDENTIAL**

**Partner Report**

**Report # 53 Date: 8/29/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$11,000	Cum To Date (Cost) \$5,824,031	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	33.15	\$11,000	\$3,750,165	\$4,797,520	\$1,047,355

**Daily Operations**

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	107.44	53	8/29/2013

Last Casing String PRODUCTION 1, 16,177.0ftKB
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Status at 6 AM FLOWBACK	24 Hour Forecast FLOWBACK
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	FLOWBACK:  TBG - 0 CSG - 55 OIL - 0 WATER - 0 GAS - 0



UNIVERSITY 49-13 4H  
Wellbore Name: OH

WEST UNRESTRICTED  
CONFIDENTIAL

Partner Report

Report # 54 Date: 8/30/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$11,000	Cum To Date (Cost) \$5,835,031	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	34.15	\$11,000	\$3,761,165	\$4,797,520	\$1,036,355

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 108.44	Report Number 54	Report End Date 8/30/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	FLOWBACK:  TBG - 0 CSG - 40 OIL - 0 WATER - 0 GAS - 0



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Partner Report

Report # 55 Date: 8/31/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$8,250	Cum To Date (Cost) \$5,843,281	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	35.15	\$8,250	\$3,769,415	\$4,797,520	\$1,028,105

Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	109.44	55	8/31/2013

Last Casing String PRODUCTION 1, 16,177.0ftKB
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Status at 6 AM FLOWBACK	24 Hour Forecast FLOWBACK
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Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	FLOWBACK:  TBG - 0 CSG - 40 OIL - 0 WATER - 0 GAS - 0  WAITING ON COMPRESSOR HOOKUP.



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Partner Report

Report # 56 Date: 9/1/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$8,250	Cum To Date (Cost) \$5,851,531	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	36.15	\$8,250	\$3,777,665	\$4,797,520	\$1,019,855

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 110.44	Report Number 56	Report End Date 9/1/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	FLOWBACK:  TBG - 0 CSG - 40 OIL - 0 WATER - 0 GAS - 0  WAITING ON COMPRESSOR HOOKUP.



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Partner Report

Report # 58 Date: 9/3/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$8,250	Cum To Date (Cost) \$5,868,031	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	38.15	\$8,250	\$3,794,165	\$4,797,520	\$1,003,355

Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	112.44	58	9/3/2013

Last Casing String  
PRODUCTION 1, 16,177.0ftKB

Status at 6 AM FLOWBACK	24 Hour Forecast FLOWBACK
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Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 140 CSG- 990 OIL- 73 H2O- 2168 GAS- 226.95 H2S- 0 CHL- 62,813 TWLTR- 197,361



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Partner Report

Report # 59 Date: 9/4/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$8,250	Cum To Date (Cost) \$5,876,281	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	39.15	\$8,250	\$3,802,415	\$4,797,520	\$995,105

Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	16,177.0	End Depth (TVD) (ftKB)	7,189.8	DFS (days)	113.44	Report Number	59	Report End Date	9/4/2013
Last Casing String											
PRODUCTION 1, 16,177.0ftKB											
Status at 6 AM						24 Hour Forecast					
FLOWBACK						FLOWBACK					

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 120 CSG- 975 OIL- 147 H2O- 1649 GAS- 75.58 H2S- 0 CHL- 62,628 TWLTR- 179,836



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Partner Report

Report # 60 Date: 9/5/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$8,250	Cum To Date (Cost) \$5,884,531	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	40.15	\$8,250	\$3,810,665	\$4,797,520	\$986,855

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 114.44	Report Number 60	Report End Date 9/5/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 120 CSG- 975 OIL- 221 H2O- 1147 GAS- 72 H2S- 0 CHL- 62,628 TWLTR- 178,689





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Partner Report

Report # 61 Date: 9/6/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$8,250	Cum To Date (Cost) \$5,892,781	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	41.15	\$8,250	\$3,818,915	\$4,797,520	\$978,605

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 115.44	Report Number 61	Report End Date 9/6/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 120 CSG- 975 OIL- 220 H2O- 1125 GAS- 216 H2S- 0 CHL- 66,370 TWLTR- 177,563



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## Partner Report

Report # 62 Date: 9/7/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$8,250	Cum To Date (Cost) \$5,901,031	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	42.15	\$8,250	\$3,827,165	\$4,797,520	\$970,355

## Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 116.44	Report Number 62	Report End Date 9/7/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 110 CSG- 975 OIL- 195 H2O- 1012 GAS- 144 H2S- 0 CHL- 66,370 TWLTR- 176,551



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Partner Report

Report # 63 Date: 9/8/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$8,250	Cum To Date (Cost) \$5,909,281	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	43.15	\$8,250	\$3,835,415	\$4,797,520	\$962,105

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 117.44	Report Number 63	Report End Date 9/8/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 110 CSG- 975 OIL- 183 H2O- 1065 GAS- 125 H2S- 0 CHL- 66,370 TWLTR- 175,486



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Partner Report

Report # 64 Date: 9/9/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$8,250	Cum To Date (Cost) \$5,917,531	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	44.15	\$8,250	\$3,843,665	\$4,797,520	\$953,855

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 118.44	Report Number 64	Report End Date 9/9/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 110 CSG- 975 OIL- 179 H2O- 1,056 GAS- 89 H2S- 0 CHL- 66,370 TWLTR- 174,430



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Partner Report

Report # 65 Date: 9/10/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$8,250	Cum To Date (Cost) \$5,925,781	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	45.15	\$8,250	\$3,851,915	\$4,797,520	\$945,605

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 119.44	Report Number 65	Report End Date 9/10/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 150 CSG- 975 OIL- 207 H2O- 1,024 GAS- 286 H2S- 0 CHL- 66,370 TWLTR- 173,406



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Wellbore Name: OH

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**Partner Report**

**Report # 66 Date: 9/11/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$8,250	Cum To Date (Cost) \$5,934,031	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	46.15	\$8,250	\$3,860,165	\$4,797,520	\$937,355

**Daily Operations**

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 120.44	Report Number 66	Report End Date 9/11/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 150 CSG- 975 OIL- 282 H2O- 1,046 GAS- 286 H2S- 0 CHL- 66,370 TWLTR- 172,360



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## Partner Report

Report # 67 Date: 9/12/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$8,250	Cum To Date (Cost) \$5,942,281	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	47.15	\$8,250	\$3,868,415	\$4,797,520	\$929,105

## Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 121.44	Report Number 67	Report End Date 9/12/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 150 CSG- 975 OIL- 217 H2O- 975 GAS- 600 H2S- 0 CHL- 66,370 TWLTR- 171,385



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Partner Report

Report # 68 Date: 9/13/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$6,050	Cum To Date (Cost) \$5,948,331	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	48.15	\$6,050	\$3,874,465	\$4,797,520	\$923,055

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 122.44	Report Number 68	Report End Date 9/13/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 150 CSG- 975 OIL- 147 H2O- 756 GAS- 282 H2S- 0 CHL- 66,370 TWLTR- 170,629





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Partner Report

Report # 69 Date: 9/14/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$6,050	Cum To Date (Cost) \$5,954,381	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	49.15	\$6,050	\$3,880,515	\$4,797,520	\$917,005

Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	123.44	69	9/14/2013

Last Casing String  
PRODUCTION 1, 16,177.0ftKB

Status at 6 AM FLOWBACK	24 Hour Forecast FLOWBACK
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Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 150 CSG- 975 OIL- 126 H2O- 795 GAS- 271 H2S- 0 CHL- 66,370 TWLTR- 169,834



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Partner Report

Report # 70 Date: 9/15/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$6,050	Cum To Date (Cost) \$5,960,431	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	50.15	\$6,050	\$3,886,565	\$4,797,520	\$910,955

Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	124.44	70	9/15/2013

Last Casing String  
PRODUCTION 1, 16,177.0ftKB

Status at 6 AM FLOWBACK	24 Hour Forecast FLOWBACK
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Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	11:00	245.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 140 CSG- 975 OIL- 233 H2O- 727 GAS- 287 H2S- 0 CHL- 66,370 TWLTR- 169,107



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Partner Report

Report # 71 Date: 9/16/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$6,050	Cum To Date (Cost) \$5,966,481	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	51.15	\$6,050	\$3,892,615	\$4,797,520	\$904,905

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 125.44	Report Number 71	Report End Date 9/16/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 170 CSG- 950 OIL- 258 H2O- 823 GAS- 283 H2S- 0 CHL- 66,370 TWLTR- 168,284



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## Partner Report

Report # 72 Date: 9/17/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$5,450	Cum To Date (Cost) \$5,971,931	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	52.15	\$5,450	\$3,898,065	\$4,797,520	\$899,455

## Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	126.44	72	9/17/2013

## Last Casing String

PRODUCTION 1, 16,177.0ftKB

## Status at 6 AM

FLOWBACK

## 24 Hour Forecast

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 170 CSG- 950 OIL- 246 H2O- 765 GAS- 293 H2S- 0 CHL- 66,370 TWLTR- 167,519



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Partner Report

Report # 73 Date: 9/18/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$7,150	Cum To Date (Cost) \$5,979,081	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	53.15	\$7,150	\$3,905,215	\$4,797,520	\$892,305

Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	16,177.0	7,189.8	127.44	73	9/18/2013

Last Casing String  
PRODUCTION 1, 16,177.0ftKB

Status at 6 AM FLOWBACK	24 Hour Forecast FLOWBACK
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Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 170 CSG- 950 OIL- 246 H2O- 834 GAS- 247 H2S- 0 CHL- 66,370 TWLTR- 166,685



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**Partner Report**

**Report # 74 Date: 9/19/2013 06:00**

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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**Costs**

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$7,150	Cum To Date (Cost) \$5,986,231	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	54.15	\$7,150	\$3,912,365	\$4,797,520	\$885,155

**Daily Operations**

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 128.44	Report Number 74	Report End Date 9/19/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 70 CSG- 900 OIL- 140 H2O- 652 GAS- 172 H2S- 0 CHL- 66,370 TWLTR- 166,033



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## Partner Report

Report # 75 Date: 9/20/2013 06:00

District PERMIAN BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 13, BLK 49, ULS	API/UWI 4210541688	Latitude (°) 31° 4' 29.55" N	Longitude (°) 101° 23' 47.004" W	Ground Elev... 2,731.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,756.00	Tubing Head Elevation (ft)

## Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 16,196.0	Authorized Depth TVD (ftKB)	API/UWI 4210541688
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## Costs

WBS Number 01-04389.01;01-04389.02;01-04389.03;01-04389.04;01-04389.05	Planned Days (days) 48.00	Daily Cost (Cost) \$7,150	Cum To Date (Cost) \$5,993,381	Total WBS+Sup (Cost) \$6,387,520	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	19.85	\$0	\$2,073,866	\$1,590,000	(\$483,866)
COMPLETION	55.15	\$7,150	\$3,919,515	\$4,797,520	\$878,005

## Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 16,177.0	End Depth (TVD) (ftKB) 7,189.8	DFS (days) 129.44	Report Number 75	Report End Date 9/20/2013
Last Casing String PRODUCTION 1, 16,177.0ftKB					
Status at 6 AM FLOWBACK			24 Hour Forecast FLOWBACK		

## Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	CHOKE- W/O TBG- 80 CSG- 900 OIL- 62 H2O- 362 GAS- 36 H2S- 0 CHL- 66,370 TWLTR- 165,671