



UNIVERSITY 48-09 2H

Wellbore Name: OH

WEST UNRESTRICTED

CONFIDENTIAL

Partner Report

Report # 18 Date: 11/6/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$33,300	Cum To Date (Cost) \$1,696,618	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,663,318	\$1,951,000	\$287,682
COMPLETION	1.00	\$33,300	\$33,300	\$0	

Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	14,490.0	End Depth (TVD) (ftKB)	7,068.2	DFS (days)	21.33	Report Number	18	Report End Date	11/6/2014
Last Casing String											
PRODUCTION 1, 14,490.0ftKB											
Status at 6 AM						24 Hour Forecast					
SI						PUMP GUNS DOWN AND PERF					

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:00	1.00	TRAVEL	ACTIVE	CREWS TRAVEL TO LOCATION
07:00	07:30	0.50	SAFETY	ACTIVE	HELD PJSM
07:30	09:30	2.00	RIGU	ACTIVE	RU ISO TOOL AND PUMPDOWN TRKS
09:30	11:30	2.00	STIM	ACTIVE	PRESSURE CHECKED LINES TO 8500 PSI & TESTED TRIPS. TEST CASING TO 6550 PSI AND HELD FOR 5 MIN 6500 PSI (GOOD TEST) PRESSURED UP TO 7400 PSI AND SLEEVE OPENED. ESTABLISHED RATE @ 10 BPM, PUMPED 50 BBL WATER. (63 BBL TOTAL) 5750 SIP
11:30	14:30	3.00	PERF	ACTIVE	STG.1. RIH W/ COLLAR LOCATER, GUNS (CONNEX CHARGES, 25G, 3 3/8, 60 DEG, .51 ENTRY), AND DUMMY PLUG. PUMPED GUNS TO 7500', PSI BUILT UP TO 8500 AND TRIPPED PUMPS. ATTEMPTED TO ESTABLISH RATE AGAIN AND FAILED. POOH/RD WIRELINE.
14:30	16:30	2.00	STIM	ACTIVE	PUMPED 1000 GAL ACID AND FLUSHED WITH 270 BBL WATER @ 5 BPM @ 6750 PSI. PSI DROPPED TO 4750 AND WAS ABLE TO ESTABLISH 14 BPM. (TOTAL 297 BBLs) SIP 2450 PSI
16:30	18:30	2.00	PERF	ACTIVE	STG.1. RIH W/ COLLAR LOCATER, GUNS (CONNEX CHARGES, 25G, 3 3/8, 60 DEG, .51 ENTRY). FOUND MARKER JOINT AND SD WAITING ON WATER TRKS. WATER TRKS GOT STUCK ON LEASE RD DUE TO RAIN. POOH WITH WIRELINE SD FOR NIGHT
18:30	06:00	11.50	SHUTDOWN	ACTIVE	SD FOR NIGHT



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Report # 19 Date: 11/7/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$33,300	Cum To Date (Cost) \$1,729,918	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,663,318	\$1,951,000	\$287,682
COMPLETION	2.00	\$33,300	\$66,600	\$0	

Daily Operations

Rig

Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 14,490.0	End Depth (TVD) (ftKB) 7,068.2	DFS (days) 22.33	Report Number 19	Report End Date 11/7/2014
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Last Casing String

PRODUCTION 1, 14,490.0ftKB

Status at 6 AM

24 Hour Forecast

WAITING ON FRAC

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:00	1.00	TRAVEL	ACTIVE	CREWS TRAVELED TO LOCATION
07:00	07:30	0.50	SAFETY	ACTIVE	HELD PJSM
07:30	08:30	1.00	RIGU	ACTIVE	RU WIRELINE
08:30	10:00	1.50	PERF	ACTIVE	PUMPDOWN TRKS TESTED LINES TO 8500 PSI & TESTED TRIPS (GOOD) RIH W/ GUNS, COLLAR LOCATOR, & DUMMY PLUG (CONNEX CHARGES, 25G, 3 3/8, 60 DEG, .51 ENTRY) AND PERF STG. 1. (14,208'- 14,330' 36 SHOTS PLANNED AND SHOT) POOH/ RD WIRELINE (455 BBLS TOTAL MAX PSI 6050 PSI)
10:00	11:00	1.00	STIM	ACTIVE	PUMPED 1,134 GAL 15% ACID AND FLUSHED WITH 333 BBL WATER RD PUMPDOWN TRKS 2490 SI PSI
11:00	06:00	19.00	SHUTDOWN	ACTIVE	WAITING ON FRAC



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Partner Report

Report # 20 Date: 11/18/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$256,935	Cum To Date (Cost) \$1,985,768	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	3.00	\$256,935	\$323,535	\$0	

Daily Operations

Rig

Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 14,490.0	End Depth (TVD) (ftKB) 7,068.2	DFS (days) 33.33	Report Number 20	Report End Date 11/18/2014
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Last Casing String

PRODUCTION 1, 14,490.0ftKB

Status at 6 AM

STG 3 PD

24 Hour Forecast

CONTINUE FRAC OPS

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:30	2.50	RIGU	ACTIVE	MIRU FRAC/WIRELINE/WATER TRANSFER FOR FRAC. ***WATER TRANSFER DELAYED 1.5 HRS DUE TO FROZEN PUMPS***
08:30	09:00	0.50	SAFETY	ACTIVE	PJSM WITH ALL LOCATION PESONNEL. DISCUSS STOPWORK, ULS RULES, COMMUNICAITON.
09:00	16:00	7.00	STIM	ACTIVE	STG 1 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 14,208'-14,393' DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# L-80 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 870 PSI / BREAK DOWN: 3140 PSI AVG PRESS 5827 PSI / AVG RATE 75 BPM MAX PRESS 7260 PSI / MAX RATE : 82 BPM ISIP: 2940 PSI / FG 0.85 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 6116 BBLS CLEAN USED 50,280 LBS 100 MESH / USED 163,300 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED ****SHUTDOWN .25 HRS DURING PAD FOR DATA VAN ELECTRONICS**** ****SHUTDOWN FOR 2.5 HRS FOR WATER TRANSFER TO REROUTE LINES TO KEEP FROM ICE CLOGGING **** ****DOWN FOR PUMPCO TO WORK ON PUMPS*****
16:00	22:45	6.75	PERF	ACTIVE	STG 2 RU API WIRELINE TO PERF STG 2. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 14,178' AND SET. PERF STAGE 2: 13,968'-70', 14028'-30', 14,088'-90', 14,148'-50' 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. PUMPCO PUMPDOWN BBLS--- 309 BBLS *** PUMPCO HAD TO STOP AND REPACK ONE OF THEIR PUMP DOWN TRUCKS WHILE PUMPING DOWN STG 2. NO LOST TIME TO OVERALL OPERATIONS.***
22:45	00:15	1.50	SHUTDOWN	ACTIVE	WAIT ON THE COMPLETION OF 3 & 4 H.
00:15	04:00	3.75	STIM	ACTIVE	STG 2 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 13,968'-14,105' DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI:1,890 PSI / BREAK DOWN: 4,010 PSI AVG PRESS 5,676 PSI / AVG RATE 79 BPM MAX PRESS 7,940 PSI / MAX RATE: 83 BPM ISIP: 2,950 PSI / FG 0.85 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 5,765 BBLS CLEAN USED 49,880 LBS 100 MESH / USED 186,220 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED ***NPT PUMPCO WAS DOWN FOR 1.5 HRS DUE TO LEAKING IRON DURING PRESSURE TEST.***
04:00	06:00	2.00	PERF	ACTIVE	STG 3 PD AT REPORT TIME. SEE NEXT DAYS REPORT FOR DETAILS.



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Partner Report

Report # 21 Date: 11/19/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)		Project Group PB TEXAS EAST		State/Province TX		
Surface Legal Location SEC 9, BLK 48, ULS		API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$181,034	Cum To Date (Cost) \$2,166,802	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	4.00	\$181,034	\$504,569	\$0	

Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	14,490.0	End Depth (TVD) (ftKB)	7,068.2	DFS (days)	34.33	Report Number	21	Report End Date	11/19/2014
Last Casing String											
PRODUCTION 1, 14,490.0ftKB											
Status at 6 AM						24 Hour Forecast					
WSI						CONTINUE FRAC OPS					

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:00	2.00	PERF	ACTIVE	STG 3 RU API WIRELINE TO PERF STG 3. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 13,938' AND SET. PERF STAGE 3: 13,728'-30', 13,788'-90', 13,848'-50', 13,908'-10' 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. PUMPCO PUMPDOWN BBLS--- 410 BBLS
08:00	10:00	2.00	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF 3H & 4H
10:00	13:30	3.50	STIM	ACTIVE	STG 3 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 13,728'-13,910'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1870 PSI / BREAK DOWN: 4030 PSI AVG PRESS 5318 PSI / AVG RATE 80 BPM MAX PRESS 6750 PSI / MAX RATE : 82 BPM ISIP: 2590 PSI / FG 0.80 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 5561 BBLS CLEAN USED 49,160 LBS 100 MESH / USED 177,240 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED ****DELAY 1.5 HR FOR PUMPCO TO REPLENISH CHEMICAL**** ***.5 HR FOR WATER TRANSFER TO CHANGE LINES BACK TO ROAD CROSSINGS**** ****WAIT 15 MIN FOR WIRELINE TO COME OFF 4H WELLHEAD
13:30	15:30	2.00	PERF	ACTIVE	STG 4 RU API WIRELINE TO PERF STG 4. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 13,698' AND SET. PERF STAGE 4: 13,488'-90', 13,548'-50', 13,608'-10', 13,668'-70'. 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. PUMPCO PUMPDOWN BBLS--- 399 BBLS
15:30	06:00	14.50	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF 3H & 4H. BLENDER WENT DOWN WHILE PUMPING STG 3 ON THE 3H.



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Partner Report

Report # 22 Date: 11/20/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$376,084	Cum To Date (Cost) \$2,542,886	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	5.00	\$376,084	\$880,653	\$0	

Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	14,490.0	End Depth (TVD) (ftKB)	7,068.2	DFS (days)	35.33	Report Number	22	Report End Date	11/20/2014
Last Casing String											
PRODUCTION 1, 14,490.0ftKB											
Status at 6 AM						24 Hour Forecast					
WSI						CONTINUE FRAC OPS					

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	09:00	3.00	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF 3H & 4H
09:00	12:00	3.00	STIM	ACTIVE	STG 4 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 13,488'-13,670'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1880 PSI / BREAK DOWN: 3820 PSI AVG PRESS 5089 PSI / AVG RATE 83 BPM MAX PRESS 5880 PSI / MAX RATE : 85 BPM ISIP: 3000 PSI / FG 0.85 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 5786 BBLS CLEAN USED 49,280 LBS 100 MESH / USED 187,300 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED ****DELAYED 1 HR FOR CHEMICAL RELOAD****
12:00	14:30	2.50	PERF	ACTIVE	STG 5 RU API WIRELINE TO PERF STG 5. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 13,458' AND SET. PERF STAGE 5: 13,248'-50', 13,308'-10', 13,368'-70', 13,428'-30'. 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. PUMPCO PUMPDOWN BBLS--- 378 BBLS
14:30	18:30	4.00	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF 3H & 4H
18:30	21:30	3.00	STIM	ACTIVE	STG 5 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 13,248'-13,430'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 2050 PSI / BREAK DOWN: 4680 PSI AVG PRESS 5545 PSI / AVG RATE 77 BPM MAX PRESS 8910 PSI / MAX RATE : 81.61 BPM ISIP: 2673 PSI / FG .808 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 6366 BBLS CLEAN USED 49982 LBS 100 MESH / USED 187280 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
21:30	00:00	2.50	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF 3H & 4H
00:00	02:30	2.50	PERF	ACTIVE	STG 6 RU API WIRELINE TO PERF STG 6. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 13,218' AND SET. PERF STAGE 6: 13,008'-10', 13,068'-70', 13,128'-30', 13,188'-90'. 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. PUMPCO PUMPDOWN BBLS--- 391 BBLS



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Partner Report

Report # 22 Date: 11/20/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
02:30	05:00	2.50	STIM	ACTIVE	STG 6 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 13,008'-13,190'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 2,050 PSI / BREAK DOWN: 4,910 PSI AVG PRESS 5,452 PSI / AVG RATE 80 BPM MAX PRESS 6,290 PSI / MAX RATE: 82 BPM ISIP: 2,880 PSI / FG 0.84 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 5,968 BBLS CLEAN USED 52,700 LBS 100 MESH / USED 5,968 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
05:00	06:00	1.00	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF 3H & 4H



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Partner Report

Report # 23 Date: 11/21/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$394,430	Cum To Date (Cost) \$2,937,316	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	6.00	\$394,430	\$1,275,083	\$0	

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 14,490.0	End Depth (TVD) (ftKB) 7,068.2	DFS (days) 36.33	Report Number 23	Report End Date 11/21/2014
Last Casing String PRODUCTION 1, 14,490.0ftKB					
Status at 6 AM WSI			24 Hour Forecast CONTINUE FRAC OPS		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	09:00	3.00	PERF	ACTIVE	STG 7 RU API WIRELINE TO PERF STG 7. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 12,978' AND SET. PERF STAGE 7: 12,768'-70', 12,828'-30', 12,888'-90', 12,948'-50'. 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. PUMPCO PUMPDOWN BBLS--- 365 BBLS
09:00	09:30	0.50	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF 4H
09:30	11:30	2.00	STIM	ACTIVE	STG 7 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 12,768'-12,950'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 2030 PSI / BREAK DOWN: 4550 PSI AVG PRESS 5110 PSI / AVG RATE 81 BPM MAX PRESS 5730 PSI / MAX RATE : 83 BPM ISIP: 2860 PSI / FG 0.83 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 5976 BBLS CLEAN USED 49440 LBS 100 MESH / USED 185,900 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
11:30	14:00	2.50	SHUTDOWN	ACTIVE	WAIT ON WIRELINE TO FINISH PLUG & PERF ON 4H
14:00	15:00	1.00	PERF	ACTIVE	STG 8 RU API WIRELINE TO PERF STG 8. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 12,738' AND SET. PERF STAGE 8: 12,528'-30', 12,588'-90', 12,648'-50', 12,708'-10'. 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. PUMPCO PUMPDOWN BBLS--- 343 BBLS
15:00	16:00	1.00	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF 3H & 4H
16:00	18:00	2.00	STIM	ACTIVE	STG 8 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 12,528'-12,710'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 2009 PSI / BREAK DOWN: 4670 PSI AVG PRESS 5306 PSI / AVG RATE 78 BPM MAX PRESS 6792 PSI / MAX RATE : 82 BPM ISIP: 3430 PSI / FG .91 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 5988 BBLS CLEAN USED 48800 LBS 100 MESH / USED 186120 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED



Partner Report

Report # 23 Date: 11/21/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
18:00	21:00	3.00	PERF	ACTIVE	STG 9 RU API WIRELINE TO PERF STG 9. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 12,498' AND SET. PERF STAGE 9: 12,288'-90', 12,348'-50', 12,408'-10', 12,468'-70'. 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. PUMPCO PUMPDOWN BBLS--- 338 BBLS
21:00	01:00	4.00	STIM	ACTIVE	STG 9 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 12,288'-12,470'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI:1,570 PSI / BREAK DOWN:4,670 PSI AVG PRESS 5,052 PSI / AVG RATE 78 BPM MAX PRESS 8,080 PSI / MAX RATE: 82 BPM ISIP:2,359 PSI / FG 0.76 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 5,848 BBLS CLEAN USED 49,620 LBS 100 MESH / USED 186,860 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
01:00	04:00	3.00	PERF	ACTIVE	STG 10 RU API WIRELINE TO PERF STG 10. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 12,258' AND SET. PERF STAGE 10: 12,048'-50', 12,108'-10', 12,168'-70', 12,228'-30'. 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. PUMPCO PUMPDOWN BBLS--- 331 BBLS
04:00	06:00	2.00	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.



UNIVERSITY 48-09 2H

Wellbore Name: OH

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Partner Report

Report # 24 Date: 11/22/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$383,960	Cum To Date (Cost) \$3,321,276	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	7.00	\$383,960	\$1,659,043	\$0	

Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	14,490.0	End Depth (TVD) (ftKB)	7,068.2	DFS (days)	37.33	Report Number	24	Report End Date	11/22/2014
Last Casing String											
PRODUCTION 1, 14,490.0ftKB											
Status at 6 AM						24 Hour Forecast					
FRAC OPS						CONTINUE FRAC OPS					

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:30	2.50	STIM	ACTIVE	STG 10 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 12,048'-12,230'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1890 PSI / BREAK DOWN: 4800 PSI AVG PRESS 5211 PSI / AVG RATE 81 BPM MAX PRESS 5210 PSI / MAX RATE : 83 BPM ISIP: 2650 PSI / FG 0.80 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 6166 BBLs CLEAN USED 49480 LBS 100 MESH / USED 188,500 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
08:30	10:00	1.50	PERF	ACTIVE	STG 11 RU API WIRELINE TO PERF STG 11. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 12,018' AND SET. PERF STAGE 11: 11,808'-10', 11,868'-70', 11,928'-30', 11,988'-90' 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. PUMPCO PUMPDOWN BBLs--- 288 BBLs
10:00	12:30	2.50	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF 3H & 4H
12:30	14:15	1.75	STIM	ACTIVE	STG 11 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 11,808'-11,990'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 2030 PSI / BREAK DOWN: 4780 PSI AVG PRESS 4945VPSI / AVG RATE 81 BPM MAX PRESS 7790 PSI / MAX RATE : 83 BPM ISIP: 2870 PSI / FG .84 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 6024 BBLs CLEAN USED 49,840 LBS 100 MESH / USED 188,440 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
14:15	16:15	2.00	PERF	ACTIVE	STG 12 RU API WIRELINE TO PERF STG 12. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 11,778' AND SET. PERF STAGE 12: 11,568'-70', 11,628'-30', 11,688'-90', 11,748'-50'. 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. PUMPCO PUMPDOWN BBLs--- 278 BBLs
16:15	18:30	2.25	SHUTDOWN	ACTIVE	WIAT ON COMPLETION OF 3H & 4H



Partner Report

Report # 24 Date: 11/22/2014 06:00

District	County	Field Name	Project Group	State/Province			
MIDLAND BASIN	REAGAN	LIN (WOLFCAMP)	PB TEXAS EAST	TX			
Surface Legal Location	API/UWI	Latitude (°)	Longitude (°)	Ground Elev...	KB - GL (ft)	Orig KB Elev (ft)	Tubing Head Elevation (ft)
SEC 9, BLK 48, ULS	4238338416	31° 7' 29.031" N	101° 19' 30.853" W	2,710.00	25.00	2,735.00	

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
18:30	00:15	5.75	STIM	ACTIVE	STG 12 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 11,568'-11,750'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1,970 PSI / BREAK DOWN: 4,806 PSI AVG PRESS 5,002 PSI / AVG RATE 82 BPM MAX PRESS 5,740 PSI / MAX RATE: 82 BPM ISIP: 3,060 PSI / FG 0.87 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 6,252 BBLS CLEAN USED 50,240 LBS 100 MESH / USED 187,420 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED ****NPT PUMPCO WAS DOWN FOR 4 HRS WAITING ON FR TO BE BROUGHT OUT FROM THE BARNHART YARD.****
00:15	02:30	2.25	PERF	ACTIVE	STG 13 RU API WIRELINE TO PERF STG 13. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 11,538' AND SET. PERF STAGE 13: 11,328'-30', 11,388'-90', 11,448'-50', 11,508'-10' 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. PUMPCO PUMPDOWN BBLS--- 284 BBLS
02:30	05:30	3.00	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H,
05:30	06:00	0.50	STIM	ACTIVE	WAITING ON WATER TRANSFER TO REPAIR A PUMP.



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Partner Report

Report # 25 Date: 11/23/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$900,296	Cum To Date (Cost) \$4,221,572	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	8.00	\$900,296	\$2,559,339	\$0	

Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	14,490.0	End Depth (TVD) (ftKB)	7,068.2	DFS (days)	38.33	Report Number	25	Report End Date	11/23/2014
Last Casing String											
PRODUCTION 1, 14,490.0ftKB											
Status at 6 AM						24 Hour Forecast					
WSI						CONTINUE FRAC OPS					

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:00	1.00	SHUTDOWN	ACTIVE	SHUTDOWN FOR WATER TRANSFER TO REPAIR PUMPS
07:00	09:00	2.00	STIM	ACTIVE	STG 13 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 11,328'-11,510'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1960 PSI / BREAK DOWN: 5290 PSI AVG PRESS 5298 PSI / AVG RATE 78 BPM MAX PRESS 8150 PSI / MAX RATE : 82 BPM ISIP: 2700 PSI / FG 0.81 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 5373 BBLS CLEAN USED 49,960 LBS 100 MESH / USED 139,160 LBS 40/70 OTTAWA SAND ****CUT PROP 50,000 LBS EARLY DUE TO PRESSURE****
09:00	11:00	2.00	PERF	ACTIVE	STG 14 RU API WIRELINE TO PERF STG 14. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 11,298' AND SET. PERF STAGE 14: 11,088'-90', 11,148'-50', 11,208'-10', 11,268'-70' 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. PUMPCO PUMPDOWN BBLS--- 238 BBLS
11:00	13:00	2.00	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF 4H
13:00	15:00	2.00	STIM	ACTIVE	STG 14 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 11,088'-11,270'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1940 PSI / BREAK DOWN: 4420 PSI AVG PRESS 5140 PSI / AVG RATE 80 BPM MAX PRESS 8860 PSI / MAX RATE : 82 BPM ISIP: 2940 PSI / FG 0.85 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 5850 BBLS CLEAN USED 49420 LBS 100 MESH / USED 189,020 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
15:00	15:30	0.50	PERF	ACTIVE	WAIT ON PLUG & PERF ON 4H
15:30	17:30	2.00	PERF	ACTIVE	STG 15 RU API WIRELINE TO PERF STG 15. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 11,058' AND SET. PERF STAGE 15 10,848'-50', 10,908'-10', 10,968'-70', 11,028'-30'. 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. PUMPCO PUMPDOWN BBLS--- 251 BBLS
17:30	20:15	2.75	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF 3 & 4H.
20:15	21:00	0.75	STIM	ACTIVE	PUMPCO UNLOAD ACID AND FR TRUCKS ON LOCATION.



Partner Report

Report # 25 Date: 11/23/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
21:00	03:00	6.00	STIM	ACTIVE	STG 15 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 10,848'-11,030'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI:1,890 PSI / BREAK DOWN: 4,330 PSI AVG PRESS 4,939 PSI / AVG RATE 80 BPM MAX PRESS 7,930 PSI / MAX RATE: 84 BPM ISIP:2,575 PSI / FG 0.80 PSI/FT USED 3000 GALS 7.5% HCL ACID USED:6,733 BBLs CLEAN USED XXXX LBS 100 MESH / USED XXXXX LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED ***NPT MK TRANSFER WATER TRANSFER PUMPS WENT DOWN ON THE .50 PPG 40/70 STG FLUSHED WELL AND SHUT SO THEY COULD REPAIR PUMPS. TOTAL DOWN TIME 3.5 HRS.*** *** PUMPCO COULD NOT GET BLENDER SCREWS TO WORK AND THEY PUMPED PAD OVER BY 1,000 BBLs. THEN STARTED SAND*** ***JOB WAS CUT SHORT DURING THE 1.50 PPG 40/70 SAND STG DUE TO HIGH TREATING PRESSURE. JOB WAS COMPLETE WITH A 326 BBL FLUSH**
03:00	05:00	2.00	PERF	ACTIVE	STG 16 RU API WIRELINE TO PERF STG 16. PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 10,818' AND SET. PERF STAGE 16 10,608'-10', 10,668'-70', 10,728'-30', 10,788'-90'. 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. PUMPCO PUMPDOWN BBLs--- 246 BBLs
05:00	06:00	1.00	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4.



UNIVERSITY 48-09 2H
Wellbore Name: OH

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Partner Report

Report # 26 Date: 11/24/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$270,375	Cum To Date (Cost) \$4,491,947	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	9.00	\$270,375	\$2,829,714	\$0	

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 14,490.0	End Depth (TVD) (ftKB) 7,068.2	DFS (days) 39.33	Report Number 26	Report End Date 11/24/2014
Last Casing String PRODUCTION 1, 14,490.0ftKB					
Status at 6 AM STG 18 FRAC			24 Hour Forecast CONTINUE FRAC OPS		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:30	1.50	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF 4H
07:30	09:30	2.00	STIM	ACTIVE	STG 16 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 10,608'-10,790'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1990 PSI / BREAK DOWN: 5010 PSI AVG PRESS 4870 PSI / AVG RATE 81 BPM MAX PRESS 7960 PSI / MAX RATE : 85 BPM ISIP: 2820 PSI / FG 0.83 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 5788 BBLS CLEAN USED 50,080 LBS 100 MESH / USED 184,280 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
09:30	19:30	10.00	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.
19:30	22:00	2.50	PERF	ACTIVE	STG 17 RU API WIRELINE TO PERF STG 17 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 10,578' AND SET. PERF STAGE 17: 10,368'-70', 10,428'-30',10,488'-90', 10,548'-50' 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. PUMPCO PUMPDOWN BBLS--- 199 BBLS
22:00	00:00	2.00	STIM	ACTIVE	STG 17 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 10,368'-10,550'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1880 PSI / BREAK DOWN: 3830 PSI AVG PRESS 5128 PSI / AVG RATE 79.8 BPM MAX PRESS 6410 PSI / MAX RATE : 81.89 BPM ISIP: 3050 PSI / FG .86 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 5652 BBLS CLEAN USED 50020 LBS 100 MESH / USED 167540 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
00:00	02:00	2.00	PERF	ACTIVE	STG 18 RU API WIRELINE TO PERF STG 18 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 10,338' AND SET. PERF STAGE 18: 10,128'-30', 10,188'-90',10,248'-50', 10,308'-10' 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. PUMPCO PUMPDOWN BBLS--- 210 BBLS
02:00	04:30	2.50	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.
04:30	06:00	1.50	STIM	ACTIVE	STG 18 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 10,128'-10,310'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 2,010 PSI / BREAK DOWN: 4,210 PSI PUMPING STG 18 FRAC AT REPORT TIME. SEE NEXT DAYS REPORT FOR DETAILS.



UNIVERSITY 48-09 2H

Wellbore Name: OH

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Partner Report

Report # 27 Date: 11/25/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$270,746	Cum To Date (Cost) \$4,762,693	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	10.00	\$270,746	\$3,100,460	\$0	

Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	14,490.0	End Depth (TVD) (ftKB)	7,068.2	DFS (days)	40.33	Report Number	27	Report End Date	11/25/2014
Last Casing String											
PRODUCTION 1, 14,490.0ftKB											
Status at 6 AM						24 Hour Forecast					
WSI						CONTINUE FRAC OPS					

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:30	1.50	STIM	ACTIVE	STG 18 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 10,128'-10,310'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 508 PSI / BREAK DOWN: 4,210 PSI AVG PRESS 5,214 PSI / AVG RATE 81 BPM MAX PRESS 8,600 PSI / MAX RATE : 83 BPM ISIP: 2,820 PSI / FG 0.83 PSI/FT USED 3000 GALS 7.5% HCL ACID USED: 5,937 BBLS CLEAN USED 50,840 LBS 100 MESH / USED 186,700 LBS 40/70 OTTAWA SAND **** SCREENED OUT ON FLUSH. WITH 3,100 # 40/70 IN WELLBORE. RU TO FLOW BACK.
07:30	10:30	3.00	FLWTST	ACTIVE	FLOWBACK AFTER SCREEN 600 BBL.
10:30	11:00	0.50	STIM	ACTIVE	ESTABLISHED RATE AT 10 BPM. PRESSURE TO 8,000 PSI. SD AND EIR AT 5 BPM TO 6,500 PSI.
11:00	18:00	7.00	FLWTST	ACTIVE	FLOWBACK 651 BBLS
18:00	18:45	0.75	STIM	ACTIVE	PUMP-IN. EIR OF 60 BPM AT 5,740 PSI. SD PUMPED 813 BBLS OF SLICK WATER. TURN WELL OVER TO PD CREW.
18:45	20:45	2.00	PERF	ACTIVE	STG 19 RU API WIRELINE TO PERF STG 19 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 10,098' AND SET. PERF STAGE 19: 9,888'-90', 9,948'-50', 10,008'-10', 10,068'-70'. 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. PUMPCO PUMPDOWN BBLS--- 193 BBLS
20:45	23:00	2.25	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.
23:00	01:00	2.00	STIM	ACTIVE	STG 19 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 9,888'-10,070'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1,920 PSI / BREAK DOWN: 4,030 PSI AVG PRESS 4,630 PSI / AVG RATE 80 BPM MAX PRESS 4,840 PSI / MAX RATE: 81 BPM ISIP:2,790 PSI / FG 0.83 PSI/FT USED 3,000 GALS 7.5% HCL ACID USED: 5,914 BBLS CLEAN USED 49,260 LBS 100 MESH / USED 183,560 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
01:00	04:30	3.50	PERF	ACTIVE	STG 20 RU API WIRELINE TO PERF STG 20 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 9,858' AND SET. PERF STAGE 20: 9,648'-50', 9,708'-10', 9,768'-70', 9,828'-30'. 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. PUMPCO PUMPDOWN BBLS--- 194 BBLS
04:30	06:00	1.50	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.



UNIVERSITY 48-09 2H

Wellbore Name: OH

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Partner Report

Report # 28 Date: 11/26/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$380,924	Cum To Date (Cost) \$5,143,617	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	11.00	\$380,924	\$3,481,384	\$0	

Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	14,490.0	End Depth (TVD) (ftKB)	7,068.2	DFS (days)	41.33	Report Number	28	Report End Date	11/26/2014
Last Casing String											
PRODUCTION 1, 14,490.0ftKB											
Status at 6 AM						24 Hour Forecast					
WSI						CONTINUE FRAC OPS					

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:30	0.50	SAFETY	ACTIVE	SAFETY MEETING 30 MINUTES FRAC CREW/WIRELINE/WATER TRANSFER/FLOWBACK
06:30	08:00	1.50	STIM	ACTIVE	STG 20 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 9,648'-9,830". DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 2040 PSI / BREAK DOWN: 4200 PSI AVG PRESS 4858 PSI / AVG RATE 80 BPM MAX PRESS 7460 PSI / MAX RATE: 81 BPM ISIP: 2980 PSI / FG 0.86_ PSI/FT USED 3,000 GALS 7.5% HCL ACID USED: 5945 BBLs CLEAN USED 49240 LBS 100 MESH / USED 189500 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
08:00	10:00	2.00	PERF	ACTIVE	STG 21 RU API WIRELINE TO PERF STG 21 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 9,618' AND SET. PERF STAGE 21: 9,408'-10', 9,468'-70', 9,528'-30', 9,588'-90' 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. PUMPCO PUMPDOWN BBLs--- 162 BBLs
10:00	13:30	3.50	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.
13:30	15:00	1.50	PERF	ACTIVE	STG 21 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 9,408'-9,590". DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1990 PSI / BREAK DOWN: 4060 PSI AVG PRESS 4864 PSI / AVG RATE 78 BPM MAX PRESS 6520 PSI / MAX RATE: 81 BPM ISIP: 2800 PSI / FG 0.84 PSI/FT USED 3,000 GALS 7.5% HCL ACID USED: 5882 BBLs CLEAN USED 49060 LBS 100 MESH / USED 185540 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
15:00	18:00	3.00	STIM	ACTIVE	STG 22 RU API WIRELINE TO PERF STG 22 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 9,378' AND SET. PERF STAGE 22: 9168'-70', 9228'-30', 9288'-90', 9348'-50' 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. PUMPCO PUMPDOWN BBLs--- 137 BBLs
18:00	19:45	1.75	SHUTDOWN		WAIT ON COMPLETION OF THE 3 & 4H.



UNIVERSITY 48-09 2H

Wellbore Name: OH

WEST UNRESTRICTED

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Partner Report

Report # 28 Date: 11/26/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
19:45	23:45	4.00	STIM	ACTIVE	STG 22 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 9,408'-9,590". DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1,807 PSI / BREAK DOWN: 5,570 PSI AVG PRESS 4,910 PSI / AVG RATE 81 BPM MAX PRESS 5,180 PSI / MAX RATE: 82 BPM ISIP:2,734 PSI / FG 0.82 PSI/FT USED 3,000 GALS 7.5% HCL ACID USED: 5,936 BBLS CLEAN USED 49,180 LBS 100 MESH / USED 187,060 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED ****NPT PUMPCO WAS DOWN FOR 2.25 HRS WAITING ON SAND.
23:45	01:15	1.50	PERF	ACTIVE	STG 23 RU API WIRELINE TO PERF STG 23 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 9,138' AND SET. PERF STAGE 23: 8,928'-30', 8,988'-90', 9,048'-50', 9,108'-10'. 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. PUMPCO PUMPDOWN BBLS--- 134 BBLS
01:15	06:00	4.75	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.



UNIVERSITY 48-09 2H

Wellbore Name: OH

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Partner Report

Report # 29 Date: 11/27/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$189,595	Cum To Date (Cost) \$5,333,212	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	12.00	\$189,595	\$3,670,979	\$0	

Daily Operations

Rig					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	14,490.0	7,068.2	42.33	29	11/27/2014
Last Casing String					
PRODUCTION 1, 14,490.0ftKB					
Status at 6 AM			24 Hour Forecast		
WSI			SD FOR THANKSGIVING HOLIDAY		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:30	1.50	STIM	ACTIVE	STG 23 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 8,928'-9,110'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1860PSI / BREAK DOWN: 4690 PSI AVG PRESS 5398PSI / AVG RATE 80 BPM MAX PRESS 7130 PSI / MAX RATE: 82 BPM ISIP:2930 PSI / FG 0.84 PSI/FT USED 3,000 GALS 7.5% HCL ACID USED: 5789BBLS CLEAN USED 49500 LBS 100 MESH / USED 187120 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
07:30	09:30	2.00	PERF	ACTIVE	STG 24 RU API WIRELINE TO PERF STG 24 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 8,898' AND SET. PERF STAGE 24: 8,688'-90', 8,748'-50', 8,808'-10', 8,868'-70'. 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. PUMPCO PUMPDOWN BBLS--- 107 BBLS
09:30	12:00	2.50	STIM	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.
12:00	06:00	18.00	SHUTDOWN	ACTIVE	SHUTDOWN FOR THANKSGIVING.



UNIVERSITY 48-09 2H

Wellbore Name: OH

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Partner Report

Report # 30 Date: 11/30/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$380,312	Cum To Date (Cost) \$5,713,524	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	13.00	\$380,312	\$4,051,291	\$0	

Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	14,490.0	End Depth (TVD) (ftKB)	7,068.2	DFS (days)	45.33	Report Number	30	Report End Date	11/30/2014
Last Casing String											
PRODUCTION 1, 14,490.0ftKB											
Status at 6 AM						24 Hour Forecast					
STG 27 FRAC						CONTINUE FRAC OPS					

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:30	2.50	RIGU	ACTIVE	RU TO RESUME FRACKING OPERATIONS
08:30	10:00	1.50	STIM	ACTIVE	STG 24 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 8,688'-8,870". DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1370PSI / BREAK DOWN: 4670 PSI AVG PRESS 3879 PSI / AVG RATE 79 BPM MAX PRESS 8100 PSI / MAX RATE: 83 BPM ISIP:2440PSI / FG 0.78 PSI/FT USED 3,000 GALS 7.5% HCL ACID USED: 5660 BBLS CLEAN USED 49520 LBS 100 MESH / USED 139240 LBS 40/70 OTTAWA SAND **CUT STAGE SHORT DUE TO HIGH TREATING PRESSURE DURING 1.75 PPG 40/70 MESH SAND, FLUSH COMPLETE WITH 253 BBLS**
10:00	12:00	2.00	PERF	ACTIVE	STG 25 RU API WIRELINE TO PERF STG 25 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 8,658' AND SET. PERF STAGE 25: 8,688'-90', 8,448'-50', 8,508'-10', 8,568'-70', 8,628'-30' 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. PUMPCO PUMPDOWN BBLS--- 100 BBLS
12:00	16:00	4.00	STIM	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.
16:00	18:00	2.00	STIM	ACTIVE	STG 25 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 8,448'-8,630'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1920 PSI / BREAK DOWN: 3310 PSI AVG PRESS 5,024 PSI / AVG RATE 81 BPM MAX PRESS 6,440 PSI / MAX RATE: 82 BPM ISIP: 2,980 PSI / FG 0.85 PSI/FT USED 3,000 GALS 7.5% HCL ACID USED: 5,590 BBLS CLEAN USED 49,840 LBS 100 MESH / USED 186,590 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
18:00	20:00	2.00	PERF	ACTIVE	STG 26 RU API WIRELINE TO PERF STG 26 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 8,418' AND SET. PERF STAGE 26: 8,206'-08', 8,268'-70', 8,328'-30', 8,388'-90' 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. PUMPCO PUMPDOWN BBLS-- 69 BBLS
20:00	22:15	2.25	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.



UNIVERSITY 48-09 2H

Wellbore Name: OH

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Partner Report

Report # 30 Date: 11/30/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
22:15	00:15	2.00	STIM	ACTIVE	STG 26 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 8,208'-8390'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1,970 PSI / BREAK DOWN: 4,660 PSI AVG PRESS 4,714 PSI / AVG RATE 81 BPM MAX PRESS 5,850 PSI / MAX RATE: 83 BPM ISIP:3,100 PSI / FG 0.87 PSI/FT USED 3,000 GALS 7.5% HCL ACID USED: 5,661 BBLS CLEAN USED 49,740 LBS 100 MESH / USED 185,000 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
00:15	02:45	2.50	PERF	ACTIVE	STG 27 RU API WIRELINE TO PERF STG 27 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 8,178' AND SET. PERF STAGE 27: 7,968'-70', 8,028'-30', 8,088'-90', 8,148'-50'. 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. PUMPCO PUMPDOWN BBLS-- 74 BBLS
02:45	05:15	2.50	SHUTDOWN	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.
05:15	06:00	0.75	STIM	ACTIVE	RU FOR STG 27 FRAC TEST LINES. WAIT ON WL TO SWAP WELL HEADS. PUMPING STG 27 AT REPORT TIME SEE NEXT DAYS REPORT FOR DETAILS.



UNIVERSITY 48-09 2H

Wellbore Name: OH

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Partner Report

Report # 31 Date: 12/1/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$381,451	Cum To Date (Cost) \$6,094,975	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	14.00	\$381,451	\$4,432,742	\$0	

Daily Operations

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	14,490.0	End Depth (TVD) (ftKB)	7,068.2	DFS (days)	46.33	Report Number	31	Report End Date	12/1/2014
Last Casing String											
PRODUCTION 1, 14,490.0ftKB											
Status at 6 AM						24 Hour Forecast					
WSI						READY FOR D/O					

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:00	2.00	STIM	ACTIVE	STG 27 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 7,968'-8,150'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1,910 PSI / BREAK DOWN: 4,460 PSI AVG PRESS 4,142 PSI / AVG RATE 76 BPM MAX PRESS 8,023 PSI / MAX RATE: 80 BPM ISIP:2,801 PSI / FG 0.82 PSI/FT USED 3,000 GALS 7.5% HCL ACID USED: 7,402 BBLS CLEAN USED 50,720 LBS 100 MESH / USED 187.860 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED **** LOST FRICTION REDUCER ON PAD BETWEEN SANDS STAGES. RESULTED IN PUMPING EXTRA BBL AND EVENTUAL SHUTDOWN TO RECHARGE PUMP***
08:00	09:30	1.50	PERF	ACTIVE	STG 28 RU API WIRELINE TO PERF STG 28 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 7,938' AND SET. PERF STAGE 28: 7,728'-30', 7,788'-90', 7,848'-50', 7,908'-10' 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. PUMPCO PUMPDOWN BBLS-- 51 BBLS
09:30	15:00	5.50	STIM	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.
15:00	16:30	1.50	STIM	ACTIVE	STG 28 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 7,728'-7,910'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1980 PSI / BREAK DOWN: 3950 PSI AVG PRESS 4430 PSI / AVG RATE 81 BPM MAX PRESS 5240 PSI / MAX RATE: 82 BPM ISIP:3510 PSI / FG 0.92 PSI/FT USED 3,000 GALS 7.5% HCL ACID USED: 5492 BBLS CLEAN USED 50040 LBS 100 MESH / USED 188180 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
16:30	17:45	1.25	PERF	ACTIVE	STG 29 RU API WIRELINE TO PERF STG 29 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HALLIBURTON DROP BALL CFP TO 7,698' AND SET. PERF STAGE 29: 7,488'-90', 7,548'-50', 7,608'-10', 7,668'-70' 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. PUMPCO PUMPDOWN BBLS-- 38 BBLS
17:45	21:15	3.50	STIM	ACTIVE	WAIT ON COMPLETION OF THE 3 & 4H.



UNIVERSITY 48-09 2H
Wellbore Name: OH

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Partner Report

Report # 31 Date: 12/1/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
21:15	23:00	1.75	STIM	ACTIVE	STG 29 RU PUMPCO, MK WT, OIL STATES WHIT TO FRAC HORIZONTAL PERFORATIONS 7,488'-7,670'. DESIGN: 226,000 GALS SLICKWATER, 50,000 LBS 100 MESH AND 187,500 LBS 40/70 OTTAWA SAND DOWN 5 1/2" 17# P-110 CASING. PUMPED AS FOLLOWS: OPENING WELL PSI: 1,960 PSI / BREAK DOWN: 4780 PSI AVG PRESS 4,510 PSI / AVG RATE 82 BPM MAX PRESS 7,250 PSI / MAX RATE: 84 BPM ISIP: 3,100 PSI / FG 0.87 PSI/FT USED 3,000 GALS 7.5% HCL ACID USED: 5,828 BBLs CLEAN USED 50,920 LBS 100 MESH / USED 186,640 LBS 40/70 OTTAWA SAND PUMPED AS DESIGNED
23:00	01:00	2.00	WIRELINE	ACTIVE	RU API WL AND HES. RIH WITH 5K CBP TO 6,500'. SET PLUG AND TEST TO 5,000 PSI. GOOD TEST. POOH WITH WL AND SETTING TOOLS. OOH WITH ALL WL AND TOOLS. RD MOVE OFF.
01:00	06:00	5.00	RIGD	ACTIVE	RDMO PUMPCO STIM CREW AND ALL SUPPORT EQUIPMENT.



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Wellbore Name: OH

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Partner Report

Report # 32 Date: 12/2/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$24,305	Cum To Date (Cost) \$6,119,280	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	15.00	\$24,305	\$4,457,047	\$0	

Daily Operations

Rig					
ENERGY SERVICE, 179					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	14,490.0	7,068.2	47.33	32	12/2/2014
Last Casing String					
PRODUCTION 1, 14,490.0ftKB					
Status at 6 AM			24 Hour Forecast		
RDMOL.			D/O PLUGS.		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	14:00	8.00	RIGD	ACTIVE	CONTINUE TO RD FRAC EQUIPMENT.
14:00	19:00	5.00	RIGU	ACTIVE	RU ESCO RIG # 179, ESCO PUMPTRUCK. SELECT FLOWBACK AND BFT TO DRILL OUT FRAC PLUGS. DELIVER 15,500' OF DEVON'S 2-7/9 PH6 PIPE. UNLOAD AND RACK TBG. ND FRAC VALVE, NU BOP. TEST BOP TOP 5,000 PSI. GOOD TEST.
19:00	04:00	9.00	TRIP	ACTIVE	RIH W/ 4-3/4 BIT, MOTOR ASSY, 1 JT, F-NIPPLE AND 4 JTS @ 2,362'. HAD TROUBLE WITH TONGS.
04:00	06:00	2.00	RIGU	ACTIVE	FINISH RU TO SAND-X, TEST ALL LINES.START TO DRILL CBP.



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Wellbore Name: OH

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Partner Report

Report # 33 Date: 12/3/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$25,085	Cum To Date (Cost) \$6,144,365	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	16.00	\$25,085	\$4,482,132	\$0	

Daily Operations

Rig					
ENERGY SERVICE, 179					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	14,490.0	7,068.2	48.33	33	12/3/2014
Last Casing String					
PRODUCTION 1, 14,490.0ftKB					
Status at 6 AM			24 Hour Forecast		
D/O PLUGS			D/O PLUGS		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	10:00	4.00	SHUTDOWN	ACTIVE	SHUTDOWN DUE TO CATWALK.
10:00	14:00	4.00	TRIP	ACTIVE	CONTINUE IN HOLE TO KILL PLUG @ 6,500' W/ TOTAL OF 209 JTS.
14:00	15:00	1.00	RIGU	ACTIVE	RU SWIVEL.
15:00	20:00	5.00	DRLG	ACTIVE	DRILL OUT KILL PLUG IN 45 MIN. COITINUE IN HOLE. DRILL OUT PLUGS @ FRAC PLUG # 1 @ 7,698' W/ 248 JTS. FRAC PLUG #2 @ 7,928' W/ 255 JTS. FRAC PLUG #3 @ 8,174' W/ 263 JTS. CIRCULATE HOLE, CASING PRESSSURE 200 PSI.
20:00	01:00	5.00	DRLG	ACTIVE	FRAC PLUG #4 @ 8,405 W/ 271 JTS. FRAC PLUG #5 @ 8,644 W/ 278 JTS. FRAC PLUG #6 @ 8,885 W/ 286 JTS. CIRCULATE HOLE, CASING PRESSURE 190 PSI,
01:00	06:00	5.00	DRLG	ACTIVE	FRAC PLUG #7 @ 9,130' W/ 294 JTS. FRAC PLUG #8 @ 9,395 W/ 303 JTS. CONTINUE TO PLUG #9. PUMPED TOTAL 1,480 BBLs, RECOVERED 4,195 BBLs. FTR = 182,319. CR = 5,446. LTR = 176,873.



UNIVERSITY 48-09 2H

Wellbore Name: OH

WEST UNRESTRICTED

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Partner Report

Report # 34 Date: 12/4/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$25,085	Cum To Date (Cost) \$6,169,450	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	17.00	\$25,085	\$4,507,217	\$0	

Daily Operations

Rig					
ENERGY SERVICE, 179					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	14,490.0	7,068.2	49.33	34	12/4/2014
Last Casing String					
PRODUCTION 1, 14,490.0ftKB					
Status at 6 AM			24 Hour Forecast		
D/O PLUGS			D/O PLUGS		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	10:00	4.00	DRLG	ACTIVE	DRILL OUT PLUG # 9 W/ 312 JTS @ 9,635' CIRCULATE HOLE CLEAN.
10:00	16:00	6.00	FLWTST	ACTIVE	FLOW WELL TO CLEAN UP WELL TO CHANGE OUT BOP PIPE RAMS.
16:00	00:00	8.00	CIRC	ACTIVE	PUMP 350 BBLS OF HEAVY BRINE WATER TO KILL WELL AND LET SET AND WAIT FOR WELL TO DIE.
00:00	04:00	4.00	WLHEAD	ACTIVE	PICK 2 JTS OF L-80 TBG TO LAND TBG W/ TBG HANGER. BLEED REMAINING PRESSURE OFF OF BOP'S AND CHANGE OUT BOP PULL TBG HANGER. LAYDOWN 2 JTS OF L-80 TBG.
04:00	05:00	1.00	RIGU	ACTIVE	RU SWIVEL.
05:00	06:00	1.00	DRLG	ACTIVE	CIRCULATE HEAVY WATER OUT OF WELL. CONTINUE IN HOLE TO D/O PLUGS.



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Wellbore Name: OH

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Partner Report

Report # 35 Date: 12/5/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$25,085	Cum To Date (Cost) \$6,194,535	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	18.00	\$25,085	\$4,532,302	\$0	

Daily Operations

Rig					
ENERGY SERVICE, 179					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	14,490.0	7,068.2	50.33	35	12/5/2014
Last Casing String					
PRODUCTION 1, 14,490.0ftKB					
Status at 6 AM			24 Hour Forecast		
D/O PLUGS			D/O PLUGS		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	10:00	4.00	DRLG	ACTIVE	CIRCULATEING HOLE. RIH TO DO PLUG # 11 @ 9,680 W/ 317 JTS. 23 MIN PLUG #12 @ 10,100 W/ 325 JTS. 20 MIN. PLUG # 13 @ 10,340 W/ 333 JTS. 29 MIN. CIRCULAT HOLE W/ SWEEP. CASING PRESSURE 270 PSI. RETURNING 5 BPM.
10:00	14:00	4.00	DRLG	ACTIVE	PLUG #14 @ 10,580' W/ 341 JTS 18 MIN. PLUG #15 @ 10,820 W/ 347 JTS 29 MIN. PLUG #16 @ 11,060 W/ 356 JTS 28 MIN. CIRCULAE HOLE CLEAN
14:00	18:00	4.00	DRLG	ACTIVE	PLUG # 17 @ 11,298' W/ 364 JTS 25 MIN. PLUG # 18 @ 11,538' W/ 372 JTS 25 MIN. PLUG # 19 @ 11750' W/ 379 JTS 25 MIN. PUMP SWEEP AND CIRCULATE.
18:00	23:00	5.00	DRLG	ACTIVE	CONTINUE IN HOLE TO PLUG # 19 @ 12,010 W/ 387 JTS. PLUG # 20 @ 12,236' W/ 394 JTS. 28 MIN. PLUG # 21 @ 12485' W/ 402 JTS. 25 MIN. CIRCULATE SWEEP.
23:00	04:00	5.00	DRLG	ACTIVE	PLUG # 22 @ 12,720 W/ 410 JTS. PLUG # 23 @ 12,965 W/ 418 JTS. PLUG # 24 @ 13,200 W/ 425 JTS. CIRCULATE SWEEP.
04:00	06:00	2.00	DRLG	ACTIVE	PLUG # 25 @ 13,440' W/ 433 JTS. PLUG # 26 @ 13,698 W/ 440 JTS. PUMPED 3,195 BBLS. RECOVERED 4,680 BBLS. 105 BBLS OF OIL. FTR = 186,989. CR = 15,861. LTR = 171,128.



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Wellbore Name: OH

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Partner Report

Report # 36 Date: 12/6/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$25,085	Cum To Date (Cost) \$6,219,620	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	19.00	\$25,085	\$4,557,387	\$0	

Daily Operations

Rig					
ENERGY SERVICE, 179					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	14,490.0	7,068.2	51.33	36	12/6/2014
Last Casing String					
PRODUCTION 1, 14,490.0ftKB					
Status at 6 AM			24 Hour Forecast		
D/O PLUGS			RIH W/ GLV'S		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	10:00	4.00	DRLG	ACTIVE	D/O PLUG # 28 @ 13,903' W/ 448 JTS. PLUG # 29 @ 14,180' W/ 457 JTS. CONTINUE IN HOLE TO PBTD @ 14,396' W/ 464 JTS.
10:00	13:00	3.00	CIRC	ACTIVE	CIRCULATE HOLE CLEAN.
13:00	14:00	1.00	RIGD	ACTIVE	RD SWIVEL.
14:00	00:00	10.00	TRIP	ACTIVE	POOH LAYING DOWN 2-7/8 TBG ON RACKS.
00:00	04:00	4.00	SHUTDOWN	ACTIVE	WAIT ON SNUBBING UNIT.
04:00	06:00	2.00	RIGU	ACTIVE	RU BADGER SNUBBING UNIT.
PUMPED TOTAL OF 1,295 BBLS, RECOVERED 5,390 BBLS. 165 BBLS OF OIL.					
FTR = 188,284. CR = 21,251. LTR = 167,033. 400 BBLS OF OIL ON LOCATION.					



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Partner Report

Report # 37 Date: 12/7/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$56,085	Cum To Date (Cost) \$6,275,705	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,662,233	\$1,951,000	\$288,767
COMPLETION	20.00	\$56,085	\$4,613,472	\$0	

Daily Operations

Rig ENERGY SERVICE, 179					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 14,490.0	End Depth (TVD) (ftKB) 7,068.2	DFS (days) 52.33	Report Number 37	Report End Date 12/7/2014
Last Casing String PRODUCTION 1, 14,490.0ftKB					
Status at 6 AM LAYDOWN WORK STRING.			24 Hour Forecast WAIT ON FLOWBACK.		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:30	1.50	RIGU	ACTIVE	FINISH RU BADGER SNUBBING UNIT.
07:30	08:00	0.50	SAFETY	ACTIVE	HELD PJSM. INSPECT LINKAGE ON RIGS RAISED OPERATION STAND.
08:00	11:00	3.00	TRIP	ACTIVE	POOH W/ 2-7/8 PH-6 WORKSTRING.
11:00	15:30	4.50	TRIP	ACTIVE	RIH 224 JTS OF 2-7/8 L-80 TBG @ 10 LUFKIN GLV'S. X-NIPPLE @ 7,026', F-NIPPLE @ 7,384', EOT @ 7,418'.
15:30	16:30	1.00	RIGD	ACTIVE	RD SNUBBING UNIT. AND BOP.
16:30	18:00	1.50	RIGU	ACTIVE	NU PRODUCTION TREE. RDMO RIG # 179
18:00	06:00	12.00	SHUTDOWN	ACTIVE	TOTAL WATER RECOVERED TODAY 3,794 BBLS. WAIT ON FLOWBACK. OIL ON LOCATION 1,090 BBLS



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Wellbore Name: OH

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Partner Report

Report # 39 Date: 12/24/2014 06:00

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (°) 31° 7' 29.031" N	Longitude (°) 101° 19' 30.853" W	Ground Elev... 2,710.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,735.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$3,900	Cum To Date (Cost) \$6,323,505	Total WBS+Sup (Cost) \$5,467,875	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.77	\$0	\$1,702,233	\$1,951,000	\$248,767
COMPLETION	22.00	\$3,900	\$4,621,272	\$0	

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 14,490.0	End Depth (TVD) (ftKB) 7,068.2	DFS (days) 69.33	Report Number 39	Report End Date 12/24/2014
Last Casing String PRODUCTION 1, 14,490.0ftKB					
Status at 6 AM WSI			24 Hour Forecast BEGIN FLOW BACK		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	MIRU FLOW BACK



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MIDLAND BASIN
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Partner Report

Report # 72 Date: 2/1/2015 6:00:00 AM

District MIDLAND BASIN	County REAGAN	Field Name LIN (WOLFCAMP)			Project Group PB TEXAS EAST		State/Province TX
Surface Legal Location SEC 9, BLK 48, ULS	API/UWI 4238338416	Latitude (*) 31.124730950	Latitude (*) 31.124730950	Ground Elev. 2,710.0	KB - GL (ft) 25.0	Orig KB Elev. (ft) 2,735.0	Tub.Head Elev (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 14,553.0	Authorized Depth TVD (ftKB)	API/UWI 4238338416
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Costs

WBS Number 01-08866.03;01-08866.04;01-08866.05;01-08866.06;01-08866.07	Planned Days (days) 16.20	Daily Cost (Cost) \$6,330.00	Cum to Date (Cost) \$6,507,158.69	Total WBS+Sup (Cost) \$5,467,875.00	Job % Complete (%)
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Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
COMPLETION	53.29	\$6,330.00	\$4,804,926.00	\$0.00	
DRILLING	14.77	\$0.00	\$1,702,232.69	\$1,951,000.00	\$248,767.31

Daily Operations

Rig					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 14,490.0	End Depth (TVD) (ftKB) 7,068.2	DFS (days) 108.33	Report Number 72	Report End Date 2/1/2015
Last Casing String PRODUCTION 1 14490(ftKB)					
Status at 6 AM FINAL REPORT			24 Hour Forecast FINAL REPORT		

Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	FLWTST	ACTIVE	Choke size W/O H2O rate (BPH) 22 BPH TBG Pressure 280 Last 24 HR H2O Recovered 191 Bbls CSG Pressure 400 Total H2O Recovered 21,891 Bbls ANNULUS (Surface/Int) Fluid left To Recover 141,348 Bbls DIFF 192 % REC 13.4 % STAT 125 OIL rate (BPH) 16 Bbls TEMP 89°F Last 24 HR OIL Recovered 112 Bbls Present Gas flow rate (MCFD) 988.4 Total OIL Recovered 14,008 Bbls GAS ACCM 6048.7 Oil Sold ThisReport 0 Bbls GAS Last 24 HR 289.1 mcf/d Loads Hauled Water 3 LOADS CHLORIDES 77,900 PPM Sand None Pump Intake PSI N/A Intake pump rpm N/A Pump speed Hrtz N/A Gravity 38