

**UNIVERSITY 47-5 3H**  
Wellbore Name: OH**WEST UNRESTRICTED**  
**CONFIDENTIAL****Partner Report****Report # 1 Date: 9/22/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$152,020	Cum To Date (Cost) \$152,020	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 6.9
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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	1.00	\$152,020	\$152,020	\$1,951,000	\$1,798,980

**Daily Operations**

Rig					
PINNERGY, 3					
Drilled Last 24 Hours (ft)	988.00	End Depth (ftKB)	1,013.0	End Depth (TVD) (ftKB)	
				DFS (days)	0.77
				Report Number	1
				Report End Date	9/22/2014

Last Casing String SURFACE, 1,013.0ftKB
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Status at 6 AM WAITING ON TRUCKS	24 Hour Forecast RELEASE RIG
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	11:30	5.50	RIGU	ACTIVE	MOVE RIG OVER 40' RIG UP AND PERFORM PRE-SPUD INSPECTION AND CORRECTIONS
11:30	18:30	7.00	DRLG	ACTIVE	DRILL 12 1/4" FORMATION FROM 25' (KB) TO 1,013' (TD)' WITH FULL CIRCULATION.  CALLED TXRRC 9/21/14 @ 12:00 TALKED TO TISH OPERATOR 0024 JOB # 7987
18:30	19:00	0.50	CIRC	ACTIVE	CIRCULATE HI-VIS SWEEPS AROUND TO LAY DOWN DRILL STRING
19:00	20:30	1.50	BHA	ACTIVE	LAY DOWN 13 JTS OF DRILL PIPE AND DIRECTIONAL TOOLS
20:30	21:30	1.00	SAFETY	ACTIVE	SAFETY MEETING ON RUNNING 1,013' OF 9 5/8" SURFACE CASING WITH A (KB) OF 25' AND RIG UP SAME
21:30	23:30	2.00	CSG	ACTIVE	RUN 1,013' OF 9 5/8,40#,LT&C SURFACE CASING WITH A (KB) OF 25
23:30	00:00	0.50	CIRC	ACTIVE	PUMP 2 X CAPACITY OF SURFACE CASING WITH FULL CIRCULATION
00:00	01:30	1.50	CMTPRI	ACTIVE	HELD SAFETY MEETING WITH PINNERGY RIG HANDS AND BAKER HUGES CEMENTERS, RIG UP HEAD AND EQUIPMENT, TEST STEEL LINES TO 3,500 PSI AND CEMENT 9 5/8 CASING. PUMP 20 BBLS FRESH WATER SPACER, 143 BBLS TAIL CEMENT @ 13.5 PPG (460 SACKS) @ 5.0 BPM, DROP PLUG AND DISPLACE WITH 72 BBLS FRESH WATER. PLUG BUMPED @ CAL-VOL BLEED BACK 1/4 BBLS, FLOAT HELD,  40 BBLS ( 128 SACKS ) CEMENT RETURNS TO SURFACE
01:30	05:30	4.00	CMTPRI	ACTIVE	WAIT 4 HOURS ON CEMENT
05:30	06:00	0.50	RIGD	ACTIVE	CUT AND CAP CASING, RIG DOWN AND PERPARE TO MOVE TO THE DARLING NORTH A #4  RELEASE RIG 9/22/14 @ 6:00  BOTH CREWS FULL NO INCIDENTS/ACCIDENTS

**UNIVERSITY 47-5 3H**  
**Wellbore Name: OH****WEST UNRESTRICTED**  
**CONFIDENTIAL****Partner Report****Report # 2 Date: 9/26/2014 06:00**

District	County	Field Name	Project Group	State/Province			
MIDLAND BASIN	CROCKETT	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 5, BLK 47, UNIVERSITY LAND	4210542132	31° 4' 24.949" N	101° 18' 27.133" W	2,708.00	25.00	2,733.00	

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$42,849	Cum To Date (Cost) \$197,569	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 14.8
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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	2.00	\$42,849	\$197,569	\$1,951,000	\$1,753,431

**Daily Operations**

Rig					
HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	1,013.0		4.77	2	9/26/2014

Last Casing String SURFACE, 1,013.0ftKB
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Status at 6 AM WAIT ON DAYLIGHT	24 Hour Forecast FINISH TRANSPORTING RIG EQUIPMENT TO NEW LOCATION WITH B&L TRUCKING
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	18:00	12.00	MOB	ACTIVE	PJSM WITH DEVON PIC'S, SAFETY TECH, H&P AND B&L TRUCKING. LOAD OUT GENERATOR PACKAGE, MUD TANKS AND MUD PUMPS; SET IN SAME; MOVE DRILL PIPE AND MISC EQUIPMENT, LOAD OUT OBM FUEL TANKS AND RIG FUEL TANK AND MOVE TO NEW LOCATION. HELD SAFETY MEETING AND LOWER DERRICK AND SET ON TRANSPORTS; LOWER SUBS AND REMOVE CENTER SECTION. LOAD OUT ALL SUBS AND TRANSPORT TO NEW LOCATION. DRESS OUT DERRICK AND PREPARE FOR MOVE
18:00	06:00	12.00	MOB	ACTIVE	WAIT ON DAYLIGHT  100% RIGGED DOWN 90% MOVED 30% SET IN 24 HRS FROM RIG RELEASE NO ACCIDENTS, INCEDENTS OR SPILLS *****ALL CREWS FULL*****



**UNIVERSITY 47-5 3H**  
Wellbore Name: OH

**WEST UNRESTRICTED**  
**CONFIDENTIAL**

**Partner Report**

**Report # 3 Date: 9/27/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$42,849	Cum To Date (Cost) \$240,418	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 22.2
Job Phase DRILLING	Cum Duration (days) 3.00	Field Est this Report (Cost) \$42,849	Cum Phase Costs (Cost) \$240,418	Planned Cost (Cost) \$1,951,000	Cost Variance (Cost) \$1,710,582

**Daily Operations**

Rig HELMERICH & PAYNE, 265											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	1,013.0	End Depth (TVD) (ftKB)		DFS (days)	5.77	Report Number	3	Report End Date	9/27/2014
Last Casing String SURFACE, 1,013.0ftKB											
Status at 6 AM WAIT ON DAYLIGHT				24 Hour Forecast FINISH TRANSPORTING RIG EQUIPMENT TO NEW LOCATION WITH B&L TRUCKING							

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	18:00	12.00	MOB	ACTIVE	PJSM WITH DEVON PIC'S, SAFETY TECH, H&P AND B&L TRUCKING. LOAD OUT DERRICK, SUBS, CAMP AND MISC. MOVE AND SET IN PLACE. RAISE SUBS, TOP DOGHOUSE, SET DERRICK IN PLACE AND PREPARE TO RAISE
18:00	06:00	12.00	MOB	ACTIVE	WAIT ON DAYLIGHT  100% RIGGED DOWN 100% MOVED 85% SET IN 48 HRS FROM RIG RELEASE NO ACCIDENTS, INCEDENTS OR SPILLS *****ALL CREWS FULL*****

**UNIVERSITY 47-5 3H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 4 Date: 9/28/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$88,608	Cum To Date (Cost) \$329,026	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 29.6
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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	4.00	\$88,608	\$329,026	\$1,951,000	\$1,621,974

**Daily Operations**

Rig					
HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	1,013.0		6.77	4	9/28/2014

Last Casing String SURFACE, 1,013.0ftKB
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Status at 6 AM TESTING BOP	24 Hour Forecast FINISH TESTING BOP; PICK UP DIRECTIONAL BHA; DRILL LATERAL SECTION
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	18:00	12.00	MOB	ACTIVE	DRESS OUT DERRICK, STRING UP BLOCKS, PIN TOP DRIVE; STROKE AND BLEED DERRICK CYLINDERS; INSPECT DERRICK; HELD SAFETY MEETING AND RAISE DERRICK; PLUG IN ELECTRICAL LINES, INSTALL V-DOOR, SET CATWALK; RAISE GAS BUSTER; HOOK UP RED IRON; RIG UP AND RUN OUT RIG EQUIPMENT; SPOOL UP DRAW WORKS, HOOK UP STANDPIPE
18:00	00:00	6.00	MOB	ACTIVE	FINISH RIGGING UP MUD TANKS; STAND BOP BOOMER, SET BOP ON BOOMER
00:00	04:00	4.00	BOPS	ACTIVE	HELD SAFETY MEETING WITH WINCH AND WRENCH AND CREWS; NIPPLE BOP SPOOL, DSA, AND BOP; INSTALL KILL LINE AND FLOW LINE; PREPARE TO TEST BOP
04:00	06:00	2.00	BOPS	ACTIVE	TEST CHOKE VALVES 250 LOW 5,000 HIGH, PICK UP TEST PLUG AND DRILL PIPE; PREAPRE TO TEST BOP RAMS
NO ACCIDENTS, INCEDENTS OR SPILLS *****ALL CREWS FULL*****					

**UNIVERSITY 47-5 3H**  
**Wellbore Name: OH****WEST UNRESTRICTED**  
**CONFIDENTIAL****Partner Report****Report # 5 Date: 9/29/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$68,726	Cum To Date (Cost) \$397,467	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 39.6
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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	5.00	\$68,726	\$397,467	\$1,951,000	\$1,553,533

**Daily Operations**

Rig					
HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
1,531.00	2,544.0		0.35	5	9/29/2014

Last Casing String SURFACE, 1,013.0ftKB
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Status at 6 AM DRILLING 8 3/4 VERTICAL SECTION @ 2544'	24 Hour Forecast DRILL 8 3/4 VERTICAL SECTION TAKING EM SURVEYS
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	14:30	8.50	BOPS	ACTIVE	TEST FLOOR VALVES 250 LOW 5,000 HIGH, TEST ANNULAR 250 LOW 3,500 HIGH, TEST BLIND RAMS 250 LOW 5000 HIGH, TEST GOOD.
14:30	15:00	0.50	BOPS	ACTIVE	TEST CASING TO 500PSI AND HOLD FOR 30 MINUTES (GOOD TEST)
15:00	15:30	0.50	RIGSVC	ACTIVE	LUBRICATE RIG
15:30	17:00	1.50	SAFETY	ACTIVE	CORRECT ITEMS ON ACTION ITEM LIST FROM PRE SPUD
17:00	19:00	2.00	BHA	ACTIVE	PICK UP PRODUCTION VERTICAL BHA. 6 3/4" 7/8 6.4 0.28 . MUD MOTOR SET AT 1.50° WITH 8.5 NB 8 1/2" NORTRAK, FLOAT SUB, NON MAG DRILL COLLAR, NON MAG FLEX COLLAR, GAP SUB, NON MAG PONEY COLLAR AND 8.3/4" MM65DRM BIT, UP LOAD MWD SCRIBE AND TEST, (TEST GOOD)
19:00	20:30	1.50	TRIP	ACTIVE	TRIP IN HOLE FROM 117' TO 969, NO ISSUES WHILE TRIPPIN IN THE HOLE
20:30	21:30	1.00	RMWASH	ACTIVE	DISPLACE 9 5/8 CASING WITH OIL BASE MUD, DRILL CEMENT, AND FLOAT EQUIPMENT FROM 936' TO 1013', WITH 350 GPM, 850 SPP, 150-200 DIFF 98 MRPM, 20 TDRPM, 5-10K WOB. TAGGED CEMENT AT 936', TOP OF FLOAT COLLAR AT 969', SHOE AT 1013'
21:30	06:00	8.50	DRLG	ACTIVE	ROTATE AND SLIDE FROM 1013 TO 2544' WITH 600 GPM, 2,800 SPP, 250-300 DIFF, 168 MRPM, 45 TDRPM, 10-12K WOB, PUMPING SWEEPS AND TAKING MWD SURVEYS.  FOOTAGE- 1531' ROTATE- 1462' (95.49% ) ROTATING SLIDE- 69' (4.51%) SLIDING HRS- 8.5 AVG ROP- 180.1' FPH LAST SURVEY : PLAN #2 MD - 2280' INC - 3.82° AZM - 254.03° TVD - 2276.41' HIGH/LOW - 15.0 HIGH LEFT/RIGHT - 7.7 RIGHT  HAZZARD HUNT ITEMS : PALLETS FOUND WITH NAILS STICKING UP (THREW PALLETS AWAY DRILL PIPE ON RACKS NOT CHALKED (CHALKED PIPE) CHECKED DERRICK AND TOP DRIVE FOR LOOSES BOLTS AND ANY DROPPED OBJECTS ( ALL SECURE )  NO ACCIDENTS, INCEDENTS OR SPILLS *****ALL CREWS FULL*****



**UNIVERSITY 47-5 3H**  
**Wellbore Name: OH**

**WEST UNRESTRICTED**  
**CONFIDENTIAL**

**Partner Report**

**Report # 6 Date: 9/30/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$105,571	Cum To Date (Cost) \$503,038	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 51.0
Job Phase DRILLING	Cum Duration (days) 6.00	Field Est this Report (Cost) \$105,571	Cum Phase Costs (Cost) \$503,038	Planned Cost (Cost) \$1,951,000	Cost Variance (Cost) \$1,447,962

**Daily Operations**

Rig HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft) 3,338.00	End Depth (ftKB) 5,882.0	End Depth (TVD) (ftKB)	DFS (days) 1.35	Report Number 6	Report End Date 9/30/2014
Last Casing String SURFACE, 1,013.0ftKB					
Status at 6 AM CIRCULATING PERFORMING CLEAN UP CYCLE			24 Hour Forecast TRIP OUT FOR CURVE ASSEMBLY LAY DOWN VERTICAL BHA PICK UP CURVE ASSEMBLY SCRIBE AND PROGRAM EM TRIP IN HOLE WITH CURVE ASSEMBLY BUILD 8 3/4 CURVE		

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:00	1.00	DRLG	ACTIVE	ROTATE AND SLIDE FROM 2544' TO 2637' WITH 600 GPM, 2,800 SPP, 250-300 DIFF, 168 MRPM, 45 TDRPM, 10-12K WOB, PUMPING SWEEPS AND TAKING MWD SURVEYS.
07:00	07:30	0.50	CIRC	ACTIVE	INSTALL ROTATING HEAD
07:30	17:30	10.00	DRLG	ACTIVE	ROTATE AND SLIDE FROM 2637' TO 4815' WITH 600 GPM, 2,800 SPP, 250-300 DIFF, 168 MRPM, 45 TDRPM, 10-12K WOB, PUMPING SWEEPS AND TAKING MWD SURVEYS.
17:30	18:00	0.50	RIGSVC	ACTIVE	LUBRICATE RIG
18:00	05:00	11.00	DRLG	ACTIVE	ROTATE AND SLIDE FROM 4815' TO 5882' WITH 600 GPM, 2,800 SPP, 250-300 DIFF, 168 MRPM, 45 TDRPM, 10-12K WOB, PUMPING SWEEPS AND TAKING MWD SURVEYS.
05:00	06:00	1.00	CIRC	ACTIVE	CIRCULATE PUMPS SWEEPS AND CLEAN HOLE FOR CURVE ASSEMBLY
					FOOTAGE- 3338' ROTATE- 3057' (91.58%) ROTATING SLIDE- 281' (8.42%) SLIDING HRS- 22.0 AVG ROP- 151.7' FPH LAST SURVEY : PLAN #2 MD - 5780' INC - 5.32° AZM - 268.97° TVD - 5761.65' HIGH/LOW - 3.6 HIGH LEFT/RIGHT - 14.9 RIGHT  NO ACCIDENTS, INCEDENTS OR SPILLS *****ALL CREWS FULL*****

**UNIVERSITY 47-5 3H**  
**Wellbore Name: OH****WEST UNRESTRICTED**  
**CONFIDENTIAL****Partner Report****Report # 7 Date: 10/1/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$243,799	Cum To Date (Cost) \$746,837	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 56.8
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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	7.00	\$243,799	\$746,837	\$1,951,000	\$1,204,163

**Daily Operations**

Rig					
HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
780.00	6,662.0		2.35	7	10/1/2014

Last Casing String SURFACE, 1,013.0ftKB	
Status at 6 AM BUILDING 8 3/4 CURVE	24 Hour Forecast FINISH BUILDING 8 3/4 CURVE DRILL 8 3/4 LATERAL WITH E.M SURVEYS

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	10:00	4.00	TRIP	ACTIVE	TRIP OUT OF HOLE FOR CURVE ASSEMBLY, STRAPPING OUT OF HOLE FROM 5882' TO 114', LAY DOWN 30 JTS OF HWDP, HOLE TAKING PROPER FILL WHILE TRIPPING OUT OF HOLE.
10:00	11:00	1.00	BHA	ACTIVE	LAY DOWN 7/8 6.4 STAGE 1.50 MOTOR, 8.5 NORTRAK, EM TOOL, 8.75 MM65DRM BIT,
11:00	11:30	0.50	BHA	ACTIVE	CLEAN RIG FLOOR FROM OBM AND EQUIPMENT
11:30	13:30	2.00	BHA	ACTIVE	PICK UP NEW 7/8 6.4 STAGE 1.83 .28 RPG MOTOR, 8.25 NORTRAK, 8.75 MM55DC BIT, AND EM TOOL, RE-PROGRAM EM TOOL, SCRIBE AND TEST, TEST GOOD.
13:30	18:00	4.50	TRIP	ACTIVE	PICK UP 10 STANDS OF 5" DRILL PIPE TRIP IN HOLE FROM 117 TO 5782' FILLING PIPE EVERY 25 STANDS NO PROBLEMS TRIPPING IN HOLE
18:00	19:00	1.00	TRIP	ACTIVE	RELOG GAMMA FROM 5782 TO 5882
19:00	20:00	1.00	DRLG	ACTIVE	ROTATE AND SLIDE FROM 5882' TO 6094' WITH 600 GPM, 2,800 SPP, 250-300 DIFF, 168 MRPM, 45 TDRPM, 10-12K WOB, PUMPING SWEEPS AND TAKING MWD SURVEYS.
20:00	06:00	10.00	DRLG	ACTIVE	BUILD 8.75 PRODUCTION CURVE FROM 6094' TO 6662' WITH 550 GPM, 2,000 SPP, 250-450 DIFF, 126 MRPM, 0 TDRPM, 15-25K WOB, PUMPING SWEEPS AND TAKING MWD SURVEYS.  FOOTAGE- 568' ROTATE- 275 (48% ) ROTATING SLIDE- 293' (52%) SLIDING HRS- 11 AVG ROP- 51' FPH LAST SURVEY : PLAN #2 MD - 6382' INC - 29.27° AZM - 192.42° TVD - 6345'  PTB: - MD - 6450' INC - 34.11° AZM - 188° TVD - 6403' MY - 8.5/100 DLNL - 8.7/100 HIGH/LOW - 21.8' ABOVE LEFT/RIGHT - 2.4 LEFT  NO ACCIDENTS, INCIDENTS OR SPILLS *****ALL CREWS FULL*****



**UNIVERSITY 47-5 3H**  
**Wellbore Name: OH**

**WEST UNRESTRICTED**  
**CONFIDENTIAL**

**Partner Report**

**Report # 8 Date: 10/2/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$101,253	Cum To Date (Cost) \$848,090	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 68.5
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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	8.00	\$101,253	\$848,090	\$1,951,000	\$1,102,910

**Daily Operations**

Rig HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
2,910.00	9,572.0		3.35	8	10/2/2014

Last Casing String SURFACE, 1,013.0ftKB	
Status at 6 AM DRILLING 8.75 PRODUCTION LATERAL AT 9,572'	24 Hour Forecast CONTINUE DRILLING 8.75 PRODUCTION LATERAL PUMPING SWEEPS AND TAKING SURVEYS. PERFORM CLEAN UP CYCLES

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	14:00	8.00	DRLG	ACTIVE	BUILD 8.75 PRODUCTION CURVE FROM 6,662' TO 7,033' WITH 550 GPM, 2,500 SPP, 250-450 DIFF, 154 MRPM, 10 TDRPM, 15-25K WOB, PUMPING SWEEPS AND TAKING MWD SURVEYS.
14:00	06:00	16.00	DRLG	ACTIVE	ROTATE AND SLIDE 8.75 PRODUCTION LATERAL FROM 7,033' TO 9,572', WITH 600 GPM, 3,600 SPP, 550-650 DIFF, 168 MRPM, 80 TDRPM, 20-30K WOB. PUMPING SWEEPS AND TAKING SURVEYS.  FOOTAGE- 2,910' ROTATE- 2,358' (81%) ROTATING SLIDE- 552' (19%) SLIDING HRS- 24 AVG ROP- 121.3' FPH LAST SURVEY : PLAN #2 MD - 9,252' INC - 87.85° AZM - 179.85° TVD - 6,699.61' HIGH/LOW - 9.0' LOW LEFT/RIGHT - 1.50' RIGHT  NO ACCIDENTS, INCIDENTS OR SPILLS ***** ALL CREWS FULL*****



**UNIVERSITY 47-5 3H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 9 Date: 10/3/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST			State/Province TX	
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$77,960	Cum To Date (Cost) \$926,050	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 81.2
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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	9.00	\$77,960	\$926,050	\$1,951,000	\$1,024,950

**Daily Operations**

Rig HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
2,039.00	11,611.0	6,700.6	4.35	9	10/3/2014

Last Casing String SURFACE, 1,013.0ftKB
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Status at 6 AM LAYING DOWN DRILL PIPE AT 7,710'	24 Hour Forecast CONTINUE LAYING DOWN DRILL PIPE; RIG UP CASING EQUIPMENT; RUNNING 5.5" CASING
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	13:00	7.00	DRLG	ACTIVE	ROTATE AND SLIDE 8.75 PRODUCTION LATERAL FROM 9,572' TO 10,602', WITH 600 GPM, 3,600 SPP, 550-650 DIFF, 168 MRPM, 80 TDRPM, 20-30K WOB. PUMPING SWEEPS AND TAKING SURVEYS.
13:00	14:00	1.00	CIRC	ACTIVE	CIRCULATE AT 380 GPM, 50 RPM WHILE CHANGING OUT WEAR PLATE AND LINER GASKET ON #2 MUD PUMP
14:00	17:30	3.50	DRLG	ACTIVE	ROTATE AND SLIDE 8.75 PRODUCTION LATERAL FROM 10,602' TO 11,211', WITH 600 GPM, 3,600 SPP, 550-650 DIFF, 168 MRPM, 80 TDRPM, 20-30K WOB. PUMPING SWEEPS AND TAKING SURVEYS.
17:30	18:00	0.50	RIGSVC	ACTIVE	LUBRICATE RIG
18:00	20:00	2.00	DRLG	ACTIVE	ROTATE AND SLIDE 8.75 PRODUCTION LATERAL FROM 11,211' TO 11,611', WITH 600 GPM, 3,600 SPP, 550-650 DIFF, 168 MRPM, 80 TDRPM, 20-30K WOB. PUMPING SWEEPS AND TAKING SURVEYS.
20:00	02:00	6.00	CIRC	ACTIVE	T.D. WELL AT 11,611' PERFORM CLEAN UP CYCLE AT 11,611' PUMPING HIGH VISCOSITY SWEEPS, ROTATING PIPE 100 RPM WITH 600 GPM, AND RECIPROCATING PIPE 90', @ 1.5 FPM.  1ST SWEEP: 70% COVERAGE ON ALL SHAKERS, CUTTINGS WERE SMALL 2ND SWEEP: 65% COVERAGE ON ALL SHAKERS, CUTTINGS WERE SMALL 3RD SWEEP: 45% COVERAGE ON ALL SHAKERS, CUTTINGS WERE SMALL 4TH SWEEP: 25% COVERAGE ON ALL SHAKERS, CUTTINGS WERE SMALL 5TH SWEEP: 10% COVERAGE ON ALL SHAKERS, CUTTINGS WERE SMALL  ( HOLE CIRCULATING CLEAN )
02:00	03:00	1.00	TRIP	ACTIVE	TRIP OUT OF HOLE FROM 11,611' TO 10,595', HOLE TAKING PROPER FILL WHILE TRIPPING OUT OF HOLE.
03:00	06:00	3.00	DPIPE	ACTIVE	LAY DOWN DRILL PIPE FROM 10,595' TO 7,710', STRAPPING EVERY 30 JOINTS, HOLE TAKING PROPER FILL WHILE LAYING DOWN DRILL PIPE.  FOOTAGE- 2,039' ROTATE- 1,940' (95% ) ROTATING SLIDE- 99' (5%) SLIDING HRS- 12.5 AVG ROP- 163.1' FPH LAST SURVEY : PLAN #3, PLAN CHANGE FROM PLAN #2 TO PLAN #3 ON 10/2/14 AT 03:00. MD - 11,543' INC - 91.93° AZM - 176.78° TVD - 6,702.70' HIGH/LOW - 0.5' ABOVE LEFT/RIGHT - 8.2' LEFT  NO ACCIDENTS, INCIDENTS OR SPILLS *****ALL CREWS FULL*****

**UNIVERSITY 47-5 3H**  
Wellbore Name: OH**WEST UNRESTRICTED**  
**CONFIDENTIAL****Partner Report****Report # 10 Date: 10/4/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$75,971	Cum To Date (Cost) \$993,021	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 90.2
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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	10.00	\$75,971	\$993,021	\$1,951,000	\$957,979

**Daily Operations**

Rig HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	11,611.0	6,700.6	5.35	10	10/4/2014

Last Casing String SURFACE, 1,013.0ftKB
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Status at 6 AM RIGGING UP CASING CREW	24 Hour Forecast RUN CASING 5.5" PRODUCTION CASING.
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	09:00	3.00	DPIPE	ACTIVE	LAY DOWN DRILL PIPE FROM 7901' TO 6805'; NO ISSUES, HOLE TAKING PROPER FILL
09:00	10:30	1.50	CIRC	ACTIVE	TRIP BACK IN TO 7130' DUE TO TIGHT HOLE; CIRCUALTE 2 SWEEPS AT 575 GPM, 80 RPM, CIRCULATE AND CLEAN HOLE DUE TO TIGHT HOLE IN CURVE SECTION
10:30	11:30	1.00	TRIP	ACTIVE	TRIP OUT OF HOLE FROM 7130' TO 6715'; PULLING TIGHT AT 6715', HOLE TAKING PROPER FILL
11:30	12:00	0.50	CIRC	ACTIVE	BACK REAM THROUGH CURVE SECTION DUE TO TIGHT HOLE FROM 6715' TO 6590'; CIRCULATE 570 GPM 20 RPM; NO ISSUES BACKREAMING
12:00	12:30	0.50	RIGSVC	ACTIVE	SERVICE RIG
12:30	13:00	0.50	RIGSVC	ACTIVE	CHANGE OUT HAMMER UNION GASKETS ON STAND PIPE
13:00	14:30	1.50	CIRC	ACTIVE	BACK REAM THROUGH CURVE SECTION DUE TO TIGHT HOLE FROM 6590' TO 5820'; CIRCULATE 570 GPM 20 RPM; NO ISSUES BACKREAMING; PUMP SLUG
14:30	22:00	7.50	DPIPE	ACTIVE	LAY DOWN DRILL PIPE FROM 5820' TO DIRECTIONAL BHA'; NO ISSUES, HOLE TAKING PROPER FILL
22:00	23:30	1.50	BHA	ACTIVE	LAY DOWN EM TOOL, MOTOR, BIT, AND ALL OTHER DIRECTIONAL TOOLS.
23:30	02:00	2.50	DPIPE	ACTIVE	LAY DOWN 60 JOINTS OF DRILL PIPE OUT OF MOUSE HOLE, NO ISSUES WHILE LAYING DOWN PIPE.
02:00	03:30	1.50	RIGSVC	ACTIVE	CLEAN RIG FLOOR, RIG DOWN BELLS AND ELAVATORS, REMOVE STABBING GUIDE, AND PREPARE TO PICK UP CASING TOOLS.
03:30	06:00	2.50	CSG	ACTIVE	HOLD SAFETY MEETING WITH TESCO, DEVON, H&P, VAM, AND RIG UP CRT TOOL AND ALL OTHER CASING TOOLS.
CONTACTED TRRC ON 10/3/14 @ 21:00 AND SPOKE WITH ALICIA, OPERATOR # 0067					

**UNIVERSITY 47-5 3H**

Wellbore Name: OH

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 11 Date: 10/5/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST			State/Province TX	
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$46,092	Cum To Date (Cost) \$1,039,113	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 99.2
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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	11.00	\$46,092	\$1,039,113	\$1,951,000	\$911,887

**Daily Operations**

Rig					
HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	11,611.0	6,700.6	6.35	11	10/5/2014

Last Casing String SURFACE, 1,013.0ftKB
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Status at 6 AM LAYING DOWN CASING AT 4,409'	24 Hour Forecast CONTINUE LAYING DOWN CASING.
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	18:30	12.50	CSG	ACTIVE	MAKE UP PRE BUCKED FLOAT, 1 JOINT 5.5" P-110 DWC 17# CASING, 5.5" FLOAT COLLAR, 1 JOINT 5.5" P-110 DWC 17# TORQUE TO 12,900 FT. LBS.. MADE UP FRAC SLEEVE, TORQUE TO 5,500 FT-LBS. BREAK CIRCULATION THROUGH SHOE AND FLOAT EQUIPMENT AND RUN 5.5" P110 17 # DWC CASING, TORQUE CASING TO 12,900 FT-LBS WITH TORQUE TURN MONITORING WITH TESCO AND VAM REP INSTRUCTIONS. RUN CASING FROM SURFACE TO 7,070',
18:30	23:30	5.00	CSG	ACTIVE	AT 7,070', HIT TIGHT SPOT, ATTEMPT TO WORK THROUGH TIGHT SPOT SLACKING OFF, ROTATE CASING WHILE PUMPING AT 420 GPM MONITORING TORQUE AND ATTEMPT TO WORK THROUGH TIGHT SPOT AND COULDN'T MAKE ANY HOLE. SLACK OFF TO 60K BELOW STRING WEIGHT WHILE PUMPING AT 420 GPM AND COULDN'T MAKE ANY HOLE. NO INCREASE IN PUMP PRESSURE WHILE TAGGING UP, KEEP WORKING PIPE TRYING TO GET THROUGH TIGHT SPOT. NO SUCCESS GETTING THROUGH TIGHT SPOT.
23:30	00:30	1.00	CSG	ACTIVE	HOLD SAFETY MEETING AND LAY DOWN 5.5" PRODUCTION CASING FROM 7,070' TO 6,968', NO ISSUES WHILE LAYING DOWN CASING.
00:30	01:00	0.50	RIGSVC	ACTIVE	LUBRICATE RIG
01:00	01:30	0.50	RIGSVC	ACTIVE	REPAIR CHAIN ON PIPE WRANGLER.
01:30	06:00	4.50	CSG	ACTIVE	CONTINUE LAYING DOWN 5.5" PRODUCTION CASING FROM 6,968' TO 4,409', NO ISSUES WHILE LAYING DOWN CASING.



**UNIVERSITY 47-5 3H**  
Wellbore Name: OH

**WEST UNRESTRICTED**  
**CONFIDENTIAL**

**Partner Report**

**Report # 12 Date: 10/6/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$127,450	Cum To Date (Cost) \$1,174,163	Total WBS+Sup (Cost) \$5,157,027	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	12.00	\$127,450	\$1,174,163	\$1,951,000	\$776,837

**Daily Operations**

Rig					
HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	11,611.0	6,700.6	7.35	12	10/6/2014

Last Casing String SURFACE, 1,013.0ftKB
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Status at 6 AM PICKING UP PIPE AT 5,300'	24 Hour Forecast CONTINUE PICKING UP PIPE, WASH AND REAM THROUGH TIGHT SPOT, LAY DOWN DRILL PIPE.
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	09:30	3.50	RIGSVC	ACTIVE	REPAIR CHAIN ON CATWALK.
09:30	10:30	1.00	CSG	ACTIVE	HOLD SAFETY MEETING AND RIG DOWN CRT TOOL, AND RIG UP BAILS, ELAVATORS, AND POWER TONGS.
10:30	19:00	8.50	CSG	ACTIVE	CONTINUE LAYING DOWN CASING FROM 4,409' TO SURFACE WITH TESCO, NO ISSUES WHILE LAYING DOWN CASING.
19:00	20:30	1.50	CSG	ACTIVE	HOLD SAFETY MEETING, AND RIG DOWN ALL CASING TOOLS.
20:30	21:00	0.50	SAFETY	ACTIVE	UNLOAD ALL TOOLS OFF RIG FLOOR AND CLEAN FLOOR.
21:00	06:00	9.00	DPIPE	ACTIVE	MAKE UP BIT SUB, X/O, AND 8.75 TRI CONE BIT, AND TRIP IN HOLE PICKING UP DRILL PIPE FROM SURFACE TO 5,300', HOLE TAKING PROPER DISPLACEMENT WHILE PICKING UP PIPE, NO ISSUES WHILE PICKING UP PIPE.
					HAZARD HUNT: KEEPER MISSING IN SHACKLE ON SNUB LINE FOR LEAD TONGS, DRILL PIPE NOT CHOCKED, KEEPER MISSING IN SHACKLE ON AIR HOIST CABLE.
					NO ACCIDENTS, INCIDENTS OR SPILLS ***** ALL CREWS FULL*****

**UNIVERSITY 47-5 3H**  
**Wellbore Name: OH****WEST UNRESTRICTED**  
**CONFIDENTIAL****Partner Report****Report # 13 Date: 10/7/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$52,702	Cum To Date (Cost) \$1,226,865	Total WBS+Sup (Cost) \$5,157,027	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	13.00	\$52,702	\$1,226,865	\$1,951,000	\$724,135

**Daily Operations**

Rig					
HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	11,611.0	6,700.6	8.35	13	10/7/2014

Last Casing String SURFACE, 1,013.0ftKB
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Status at 6 AM TAKING CHECK SHOT SURVEY TO FIND SIDETRACK	24 Hour Forecast ATTEMPT TO FIND ORIGINAL HOLE
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:00	1.00	DPIPE	ACTIVE	CONTINUE PICKING UP DRILL PIPE FROM 5,300' TO 6,088', HOLE TAKING PROPER DISPLACEMENT WHILE PICKING UP PIPE, NO ISSUES WHILE PICKING UP PIPE.
07:00	07:30	0.50	RIGSVC	ACTIVE	INSTALL ROTATING HEAD.
07:30	08:00	0.50	CIRC	ACTIVE	CIRCULATE BOTTOMS UP AT 6,088' WITH 600 GPM.
08:00	10:00	2.00	DPIPE	ACTIVE	CONTINUE PICKING UP DRILL PIPE FROM 6,088' TO 7,066', HOLE TAKING PROPER DISPLACEMENT WHILE PICKING UP PIPE, NO ISSUES WHILE PICKING UP PIPE.
10:00	14:00	4.00	RMWASH	ACTIVE	BREAK CIRCULATION AND ATTEMPT TO WASH THROUGH TIGHT HOLE, 550 GPM; TAGGING UP AT 7066'; NO SUCCESS. ATTEMPT TO ROTATE BETWEEN 10-50 RPM AND WORK THROUGH TIGHT HOLE WITHOUT SUCCESS; TAGGING UP AT 7066'; STOP ROTARY AND WORK PIPE 30' UP AND ATTEMPT TO SLACK OFF THROUGH TIGHT HOLE, PICK UP AND TURN DRILL STRING 1/4 TURN AND ATTEMPT TO SLACK OFF. KEEP WORKING 30' STRING ROTATING 1/4 TURN EACH TIME WHILE TRYING TO WORK THROUGH TIGHT HOLE; NO SUCCESS
14:00	16:30	2.50	TRIP	ACTIVE	TRIP OUT OF HOLE FROM 7,066' TO SURFACE, HOLE TAKING PROPER DISPLACEMENT WHILE TRIPPING OUT OF HOLE, NO ISSUES WHILE TRIPPING OUT OF HOLE.
16:30	17:00	0.50	BHA	ACTIVE	LAY DOWN BIT, BIT SUB, AND X/O AND CLEAN FLOOR.
17:00	19:00	2.00	RIGSVC	ACTIVE	SLIP AND CUT DRILL LINE.
19:00	22:30	3.50	BHA	ACTIVE	HOLD SAFETY MEETING, AND PICK UP 7/8 6.4 STAGE MOTOR, 8.5 NORTRAK, 8.75 MM65DRM BIT, NON MAG COLLARS, FLOAT SUB, AND EM TOOL. SCRIBE AND TEST, TEST GOOD.
22:30	02:00	3.50	TRIP	ACTIVE	TRIP IN HOLE FROM 116' TO 6,650', FILLING PIPE EVERY 2,000', HOLE TAKING PROPER DISPLACEMENT WHILE TRIPPING IN THE HOLE, NO ISSUES WHILE TRIPPING IN THE HOLE.
02:00	02:30	0.50	RMWASH	ACTIVE	WASH AND REAM THROUGH TIGHT SPOT FROM 6,650' TO 6,670' WITH 500 GPM AND 40 TDRPM
02:30	03:00	0.50	TRIP	ACTIVE	TRIP IN HOLE FROM 6,670' TO 6,810' NO ISSUES WHILE TRIPPING IN THE HOLE.
03:00	03:30	0.50	RMWASH	ACTIVE	WASH AND REAM THROUGH TIGHT SPOT FROM 6,810' TO 6,855' WITH 500 GPM AND 40 TDRPM
03:30	04:00	0.50	TRIP	ACTIVE	TRIP IN HOLE FROM 6,855' TO 7,050', NO ISSUES WHILE TRIPPING IN THE HOLE.
04:00	05:00	1.00	RMWASH	ACTIVE	LINE TOOL FACE UP AT HIGH SIDE AND ATTEMPT TO GO OVER LEDGE, UNSUCCESSFUL; TURN PUMP ON LINE UP TOOLFACE TO HIGH SIDE AND WASH FROM 7066' TO 7071'; TAKE CHECK SHOT SURVEY; SURVEY IS 3 DEG UNDER OLD HOLE INCLINATION; RACK STAND BACK TO 6980' TO LOOK FOR SIDETRACK
05:00	06:00	1.00	RMWASH	ACTIVE	SLIDE FROM 7071' TO 7079'; 500 GPM, TOOL FACE: 30 LEFT; ATTEMPT TO FIND ORIGINAL HOLE

**UNIVERSITY 47-5 3H**

Wellbore Name: ST01

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 14 Date: 10/8/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$93,436	Cum To Date (Cost) \$1,320,301	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 82.5
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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	14.00	\$93,436	\$1,320,301	\$1,951,000	\$630,699

**Daily Operations**

Rig					
HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
3,844.00	10,830.0		9.35	14	10/8/2014

Last Casing String SURFACE, 1,013.0ftKB	
Status at 6 AM DRILLING 8.75 LATERAL AT 10,830'	24 Hour Forecast ROTATE AND SLIDE 8.75 LATERAL PUMPING SWEEPS AND TAKING SURVEYS, PERFORM CLEAN UP CYCLE, TRIP OUT OF HOLE TO RUN CASING.

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:30	0.50	CIRC	ACTIVE	CIRCULATE AND WORK DRILL PIPE BEFORE DRILLING SIDETRACK @ 6986'
06:30	06:00	23.50	DRLG	ACTIVE	BRIAN FLOYD WITH RRC WAS INFORMED OF SIDETRACK OPERATIONS AT 06:19 ON THE 7TH, NO ADDITIONAL INFORMATION WAS NEEDED BY THEM SINCE CASING WILL BE COVERING ALL THE ABOVE ZONES ROTATE AND SLIDE 8.75 PRODUCTION LATERAL FROM 6,986' TO 10,830', WITH 560 GPM, 3,600 SPP, 550-650 DIFF, 156 MRPM, 80 TDRPM, 20-30K WOB. PUMPING SWEEPS AND TAKING SURVEYS. FOOTAGE- 3,844' ROTATE- 3,479' (91% ) ROTATING SLIDE- 365' (9%) SLIDING HRS- 23.5 AVG ROP- 163.6' FPH LAST SURVEY : PLAN #2, SIDETRACK MD - 10,478' INC - 88.46° AZM - 180.38° TVD - 6,709.26' HIGH/LOW - 4.0' LOW LEFT/RIGHT - 18' LEFT 29' FROM OLD HOLE. NO ACCIDENTS, INCIDENTS OR SPILLS *****ALL CREWS FULL*****

**UNIVERSITY 47-5 3H**  
**Wellbore Name: ST01****WEST UNRESTRICTED**  
**CONFIDENTIAL****Partner Report****Report # 15 Date: 10/9/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$76,080	Cum To Date (Cost) \$1,396,381	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 89.3
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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	15.00	\$76,080	\$1,396,381	\$1,951,000	\$554,619

**Daily Operations**

Rig					
HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
790.00	11,620.0	6,711.3	10.35	15	10/9/2014

Last Casing String SURFACE, 1,013.0ftKB	
Status at 6 AM LAYING DOWN DRILL PIPE AT 3,610'	24 Hour Forecast CONTINUE LAYING DOWN DRILL PIPE, LAY DOWN DIRECTIONAL TOOLS, RIG UP CASING CREW AND RUN 5.5" PRODUCTION CASING

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	10:30	4.50	DRLG	ACTIVE	ROTATE AND SLIDE 8.75 PRODUCTION LATERAL FROM 10,830' TO 11,396', WITH 560 GPM, 3,800 SPP, 550-650 DIFF, 156 MRPM, 80 TDRPM, 20-30K WOB. PUMPING SWEEPS AND TAKING SURVEYS.
10:30	11:00	0.50	RIGSVC	ACTIVE	LUBRICATE RIG
11:00	13:00	2.00	DRLG	ACTIVE	ROTATE AND SLIDE 8.75 PRODUCTION LATERAL FROM 11,396' TO 11,620', WITH 560 GPM, 3,800 SPP, 550-650 DIFF, 156 MRPM, 80 TDRPM, 20-30K WOB. PUMPING SWEEPS AND TAKING SURVEYS.
13:00	21:00	8.00	CIRC	ACTIVE	T.D. WELL AT 11,620' PERFORM CLEAN UP CYCLE AT 11,620' PUMPING HIGH VISCOSITY SWEEPS, ROTATING PIPE 90 RPM WITH 600 GPM, AND RECIPROCATING PIPE 90', @ 1.5 FPM.  1ST SWEEP: 70% COVERAGE ON ALL SHAKERS, CUTTINGS WERE SMALL 2ND SWEEP: 65% COVERAGE ON ALL SHAKERS, CUTTINGS WERE SMALL 3RD SWEEP: 45% COVERAGE ON ALL SHAKERS, CUTTINGS WERE SMALL 4TH SWEEP: 25% COVERAGE ON ALL SHAKERS, CUTTINGS WERE SMALL 5TH SWEEP: 10% COVERAGE ON ALL SHAKERS, CUTTINGS WERE SMALL  ( HOLE CIRCULATING CLEAN )
21:00	22:00	1.00	TRIP	ACTIVE	TRIP OUT OF HOLE TO RUN CASING FROM 11,620' TO 10,737', HOLE TAKING PROPER FILL WHILE TRIPPING OUT OF HOLE, NO ISSUES WHILE TRIPPING OUT OF HOLE.
22:00	06:00	8.00	DPIPE	ACTIVE	LAY DOWN DRILL PIPE TO RUN CASING FROM 10,737' TO 3,610', STRAPPING EVERY 30 JOINTS, HOLE TAKING PROPER FILL, NO ISSUES WHILE LAYING DOWN DRILL PIPE.  FOOTAGE- 790' ROTATE- 704' (89% ) ROTATING SLIDE- 86' (11%) SLIDING HRS- 6.5 AVG ROP- 121.5' FPH LAST SURVEY : PLAN #2, SIDETRACK MD - 11,552' INC - 90.48° AZM - 180.82° TVD - 6,710.87' HIGH/LOW - 3.0' LOW LEFT/RIGHT - 19' LEFT  NO ACCIDENTS, INCIDENTS OR SPILLS *****ALL CREWS FULL*****



**UNIVERSITY 47-5 3H**

Wellbore Name: ST01

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 16 Date: 10/10/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$140,499	Cum To Date (Cost) \$1,536,880	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%) 95.3
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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	16.00	\$140,499	\$1,536,880	\$1,951,000	\$414,120

**Daily Operations**

Rig HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	11,620.0	6,711.3	11.35	16	10/10/2014

Last Casing String SURFACE, 1,013.0ftKB	
Status at 6 AM RUNNING 5.5" PRODUCTION AT 8,490'	24 Hour Forecast CONTINUE RUNNING 5.5" PRODUCTION CASING, CIRCULATE 1.5 TIMES CASING CAPACITY, CEMENT CASING, PICK STACK UP AND SET SLIPS, CUT CASING OFF AND INSTALL CAP, RIG DOWN RIG

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	11:00	5.00	DPIPE	ACTIVE	LAY DOWN DRILL PIPE TO RUN CASING FROM 3,610' TO 116", STRAPPING EVERY 30 JOINTS, HOLE TAKING PROPER FILL, NO ISSUES WHILE LAYING DOWN DRILL PIPE.
11:00	12:30	1.50	BHA	ACTIVE	HOLD SAFETY MEETING, AND LAY DOWN 7/8 6.4 STAGE 1.83 MOTOR, 8.5 NORTRAK, 8.75 MM65DRM BIT, NON MAG COLLARS, AND EM TOOL
12:30	13:00	0.50	SAFETY	ACTIVE	CLEAN RIG FLOOR AND PREPARE TO RIG UP CASING CREW
13:00	13:30	0.50	WLHEAD	ACTIVE	PULL WEAR BUSHING
13:30	14:00	0.50	RIGSVC	ACTIVE	LUBRICATE RIG
14:00	15:30	1.50	CSG	ACTIVE	HOLD SAFETY MEETING AND RIG UP CRT TOOL AND ALL OTHER CASING TOOLS.
15:30	16:00	0.50	SAFETY	ACTIVE	HOLD SAFETY MEETING WITH DEVON, H&P, AND TESCO ON RUNNING CASING
16:00	03:00	11.00	CSG	ACTIVE	MAKE UP PRE BUCKED FLOAT, 1 JOINT 5.5 " P-110 DWC 17# CASING, 5.5" FLOAT COLLAR, 1 JOINT 5.5" P-110 DWC 17# TORQUE TO 12,900 FT. LBS.. MADE UP FRAC SLEEVE, TORQUE TO 5,500 FT-LBS. BREAK CIRCULATION THROUGH SHOE AND FLOAT EQUIPMENT AND RUN 5.5" P110 17 # DWC CASING, TORQUE CASING TO 12,900 FT-LBS WITH TORQUE TURN MONITORING WITH TESCO AND VAM REP INSTRUCTIONS. RUN CASING FROM SURFACE TO 7,063', FILLING PIPE EVERY 2,000'
03:00	04:00	1.00	CIRC	ACTIVE	CIRCULATE BOTTOMS UP AT 7,063' WITH 350 GPM.
04:00	06:00	2.00	CSG	ACTIVE	RUN 5.5" P110 17 # DWC CASING, TORQUE CASING TO 12,900 FT-LBS WITH TORQUE TURN MONITORING WITH TESCO AND VAM REP INSTRUCTIONS. RUN CASING FROM 7,063' TO 8,490', FILLING PIPE EVERY 2,000'.  CALLED TRRC AT 9:30 A.M. ON 10/9/14 AND SPOKE WITH AMY.  NO ACCIDENTS, INCIDENTS OR SPILLS *****ALL CREWS FULL*****



**UNIVERSITY 47-5 3H**

Wellbore Name: ST01

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 17 Date: 10/11/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$463,099	Cum To Date (Cost) \$1,999,979	Total WBS+Sup (Cost) \$5,157,027	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	17.00	\$463,099	\$1,999,979	\$1,951,000	(\$48,979)

**Daily Operations**

Rig					
HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	11,620.0	6,711.3	12.35	17	10/11/2014

Last Casing String PRODUCTION 2, 11,620.0ftKB
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Status at 6 AM RIGGING DOWN.	24 Hour Forecast LAY DOWN DRILL PIPE OUT OF MOUSE HOLE, RIG DOWN, AND DETOX RIG.
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	10:30	4.50	CSG	ACTIVE	RUN 5.5" P110 17 # DWC CASING, TORQUE CASING TO 12,900 FT-LBS WITH TORQUE TURN MONITORING WITH TESCO AND VAM REP INSTRUCTIONS. RUN CASING FROM 8,490' TO 11,620', FILLING PIPE EVERY 2,000'. TAGGED BOTTOM AT 11,620', SHOE SET AT 11,620', FLOAT COLLAR AT 11,572', FRAC SLEEVE AT 11,526'
10:30	12:00	1.50	CSG	ACTIVE	CIRCULATE 1.5 TIMES CASING CAPACITY AT 350 GPM.
12:00	13:00	1.00	SAFETY	ACTIVE	HOLD SAFETY MEETING AND RIG DOWN CRT TOOL, AND ALL OTHER CASING TOOLS.
13:00	14:00	1.00	CMTPRI	ACTIVE	HOLD SAFETY MEETING, AND RIG UP CEMENTERS.
14:00	18:00	4.00	CMTPRI	ACTIVE	HOLD SAFETY MEETING, TEST LINES TO 5000 PSI, AND CEMENT 5 1/2" 17 LB P-110 DWC PRODUCTION CASING. SPACER 30 BBL 10.0 PPG SEAL BOND, 30 BBL'S OF 10.0 PPG BRINE WATER, 30 BBL 10.0 PPG SEAL BOND. 720 SKS 310 BBL'S 11.8 PPG, LEAD SLURRY 50:50 POZ CLASS H, 1,310 SACKS 298 BBL'S 14.2 PPG TAIL SLURRY 50:50 POZ CLASS H, DISPLACE AT 7 BPM WITH 24 BBL'S ACETIC ACID 244 BBL'S OF 2 % KCL WATER, BUMPED PLUG 500 OVER AT 2,280 PSI. CHECK FLOATS, FLOATS HELD, FULL RETURNS WHOLE JOB, CIRCULATED 120 BBL'S CEMENT TO SURFACE.  CALLED TRRC AT 9:30 A.M. ON 10/9/14 AND SPOKE WITH AMY.
18:00	19:00	1.00	CMTPRI	ACTIVE	HOLD SAFETY MEETING AND RIG DOWN CEMENTERS.
19:00	23:00	4.00	BOPS	ACTIVE	HOLD SAFETY MEETING WITH DEVON, H&P, AND BLUE SKY, AND RIG DOWN KATCH KAN; FLOW LINE, CHOKE LINE, KILL LINE AND TURNBUCKLES FROM BOP.NIPPLE DOWN BOP FROM DSA AND SPOOL.
23:00	23:30	0.50	WLHEAD	ACTIVE	SET SLIPS ON CASING AT 120K.
23:30	02:30	3.00	WLHEAD	ACTIVE	CUT CASING OFF, LAY DOWN CUT JOINT, REMOVE SPOOL FROM STACK, SET STACK BACK, REMOVE SPOOL AND DSA FROM WELL HEAD, INSTALL PRODUCTION CAP AND TEST TO 4,000 PSI. TEST GOOD.
02:30	06:00	3.50	RIGD	ACTIVE	LAY BOP OVER ON TRANSPORT SKID, LAY GAS BUSTER OVER, START RIGGING DOWN RIG.  NO ACCIDENTS, INCIDENTS OR SPILLS *****ALL CREWS FULL*****



**UNIVERSITY 47-5 3H**  
**Wellbore Name: ST01**

**WEST UNRESTRICTED**  
**CONFIDENTIAL**

**Partner Report**

**Report # 18 Date: 10/12/2014 06:00**

District	County	Field Name	Project Group	State/Province			
MIDLAND BASIN	CROCKETT	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 5, BLK 47, UNIVERSITY LAND	4210542132	31° 4' 24.949" N	101° 18' 27.133" W	2,708.00	25.00	2,733.00	

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$54,392	Cum To Date (Cost) \$2,051,971	Total WBS+Sup (Cost) \$5,157,027	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	18.00	\$54,392	\$2,051,971	\$1,951,000	(\$100,971)

**Daily Operations**

Rig HELMERICH & PAYNE, 265					
Drilled Last 24 Hours (ft)	End Depth (ftKB)	End Depth (TVD) (ftKB)	DFS (days)	Report Number	Report End Date
0.00	11,620.0	6,711.3	13.35	18	10/12/2014

Last Casing String PRODUCTION 2, 11,620.0ftKB
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Status at 6 AM RIGGING DOWN	24 Hour Forecast MOVE IN AND RIG UP ON ULS 29-20 2P
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**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:30	1.50	DPIPE	ACTIVE	LAY DOWN 10 STANDS OF DRILL PIPE FROM DERRICK IN MOUSE HOLE
07:30	06:00	22.50	RIGD	ACTIVE	CLEAN MUD TANKS ,DETOX RIG RIG DOWN FLOOR ,BACK YARD ,LAY DERRICK OVER ,ROLL UP ALL ELECTRIC LINES ,HOSES , PREPARE FOR RIG MOVE TO ULS 29-20 2P

**UNIVERSITY 47-5 3H**  
**Wellbore Name: ST01****WEST UNRESTRICTED**  
**CONFIDENTIAL****Partner Report****Report # 20 Date: 10/21/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Jobs**

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 11,650.0	Authorized Depth TVD (ftKB)	API/UWI 4210542132
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**Costs**

WBS Number XX-107568.01.DRL;XX-107568.01.CMP;XX-107568.01.EQP;XX-107568.01.TIE	Planned Days (days) 14.50	Daily Cost (Cost) \$572,829	Cum To Date (Cost) \$2,712,513	Total WBS+Sup (Cost) \$5,157,027	Job % Complete (%)
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	18.00	\$0	\$2,111,634	\$1,951,000	(\$160,634)
COMPLETION	2.00	\$572,829	\$600,879	\$0	

**Daily Operations**

Rig											
Drilled Last 24 Hours (ft)	0.00	End Depth (ftKB)	11,620.0	End Depth (TVD) (ftKB)	6,711.3	DFS (days)	22.35	Report Number	20	Report End Date	10/21/2014
Last Casing String											
PRODUCTION 2, 11,620.0ftKB											
Status at 6 AM						24 Hour Forecast					
FRAC						CONTINUE FRAC OPS					

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	08:00	2.00	SHUTDOWN	ACTIVE	NPT WAITING ON SAND TICKETS
08:00	10:00	2.00	STIM	ACTIVE	RU WEATHERFORD, RED DIRT WHIT, BTT WT TO FRAC STAGE 1 HORIZONTAL PERFORATION 11,344 - 11,527 ' W/240,000 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 - 826;.BREAK DOWN @ 3275 PSI. AVG PRESS 4887 PSI, AVG RATE 80 BPM MAX PRESS 7420 PSI MAX RATE 81 BPM .ISIP 2729 PSI; FG .83 PSI/FT. USED 3,000 GALS 7.5% HCL ACID.; USED 5598 BBLS CLEAN. USED 49,800 LBS 100 MESH USED 191,940 LBS 40/70 OTTAWA SAND.
10:00	12:00	2.00	SHUTDOWN	ACTIVE	WAIT ON HOWCO TOOLMAN
12:00	14:00	2.00	PERF	ACTIVE	RU ALLIED WIRELINE TO PERF STG 2 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES BALL DROP CFP TO 11,314 . PERFORATED STAGE 2 HORIZONTAL INTERVALS AS FOLLOWS:  11284 11286 11224 11226 11164 11166 11104 11106  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  WEATHERFORD PUMPDOWN BBLS= 235 BBLS
14:00	16:00	2.00	STIM	ACTIVE	RU WEATHERFORD, RED DIRT WHIT, BTT WT TO FRAC STAGE 2 HORIZONTAL PERFORATION 11,344 - 11,527 ' W/240,000 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 - 1,888 ;.BREAK DOWN @ 4,177 PSI. AVG PRESS 4,753 PSI, AVG RATE 80 BPM MAX PRESS 7,159 PSI MAX RATE 82 BPM .ISIP 2,879 PSI; FG .85 PSI/FT. USED 3,000 GALS 7.5% HCL ACID.; USED 5,581 BBLS CLEAN. USED 46,460 LBS 100 MESH USED 187,280 LBS 40/70 OTTAWA SAND.

**UNIVERSITY 47-5 3H**

Wellbore Name: ST01

**WEST UNRESTRICTED****CONFIDENTIAL****Partner Report****Report # 20 Date: 10/21/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
16:00	18:00	2.00	PERF	ACTIVE	RU ALLIED WIRELINE TO PERF STG 3 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES BALL DROP CFP TO 11,074 . PERFORATED STAGE 3 HORIZONTAL INTERVALS AS FOLLOWS: 11044 11046 10984 10986 10924 10926 10864 10866  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  WEATHERFORD PUMPDOWN BBLS= 235 BLS
18:00	18:30	0.50	SAFETY	ACTIVE	SHIFT CHANGE SAFETY MEETING DISCUSSING PPE, PINCH POINTS, CHEMICALS,ACID & USING THE BUDDY SYSTEM
18:30	20:30	2.00	STIM	ACTIVE	RU WEATHERFORD, RED DIRT WHIT, BTT WT TO FRAC STAGE 3 HORIZONTAL PERFORATION 10,8674 - 11,046 ' W/240,000 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 - 2024 ;.BREAK DOWN @ 3601 PSI. AVG PRESS 4377 PSI, AVG RATE 80 BPM MAX PRESS 5404 PSI MAX RATE 85 BPM ISIP 2768 PSI; FG .84 PSI/FT. USED 3,000 GALS 15% HCL ACID.; USED 5804 BBLS CLEAN. USED 46,500 LBS 100 MESH USED 181,720 LBS 40/70 OTTAWA SAND. PUMPED AS DESIGNED
20:30	22:30	2.00	PERF	ACTIVE	RU ALLIED WIRELINE TO PERF STG 4 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES BALL DROP CFP TO 10,834'; . PERFORATED STAGE 4 HORIZONTAL INTERVALS AS FOLLOWS: 10804 10806 10744 10746 10684 10686 10624 10626  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  WEATHERFORD PUMPDOWN BBLS= 271 BLS
22:30	00:00	1.50	STIM	ACTIVE	RU WEATHERFORD, RED DIRT WHIT, BTT WT TO FRAC STAGE 4 HORIZONTAL PERFORATION 10,624 - 10,806 ' W/240,000 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 - 2056 ;.BREAK DOWN @ 5486 PSI. AVG PRESS 7550 PSI, AVG RATE 54 BPM MAX PRESS 8229 PSI MAX RATE 82 BPM .ISIP 2793 PSI; FG .85 PSI/FT. USED 3,000 GALS 15% HCL ACID.; USED 4025 BBLS CLEAN. USED 4000 LBS 100 MESH USED 0 LBS 40/70 OTTAWA SAND. ****RAN 4000 LBS AT 1/2 PPA 100 MESH SLUG @ 78 BPM W/ 7700 PSI ONCE SLUG HIT PERFS PSI INCREASED TO 8229 PSI @ 50 BPM PUMPED FLUID VOLUME AND CALLED STG DUE TO HIGH PSI****
00:00	02:00	2.00	PERF	ACTIVE	RU ALLIED WIRELINE TO PERF STG 5 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES BALL DROP CFP TO 10,594'; . PERFORATED STAGE 5 HORIZONTAL INTERVALS AS FOLLOWS: 10564 10566 10504 10506 10444 10446 10384 10386  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  WEATHERFORD PUMPDOWN BBLS= 332 BLS
02:00	02:30	0.50	WLHEAD	ACTIVE	RED DIRT GREASE WHIT



**UNIVERSITY 47-5 3H**  
**Wellbore Name: ST01**

**WEST UNRESTRICTED**  
**CONFIDENTIAL**

**Partner Report**

**Report # 20 Date: 10/21/2014 06:00**

District MIDLAND BASIN	County CROCKETT	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location SEC 5, BLK 47, UNIVERSITY LAND	API/UWI 4210542132	Latitude (°) 31° 4' 24.949" N	Longitude (°) 101° 18' 27.133" W	Ground Elev... 2,708.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,733.00	Tubing Head Elevation (ft)

**Time Log**

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
02:30	04:30	2.00	STIM	ACTIVE	RU WEATHERFORD, RED DIRT WHIT, BTT WT TO FRAC STAGE 5 HORIZONTAL PERFORATION 10,384 - 10,566 ' W/240,000 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 - 2099 ;.BREAK DOWN @ 5761 PSI. AVG PRESS 4789 PSI, AVG RATE 81 BPM MAX PRESS 6716 PSI MAX RATE 83 BPM ISIP 2843 PSI; FG .86 PSI/FT. USED 3,000 GALS 15% HCL ACID.; USED 5549 BBLS CLEAN. USED 44,640 LBS 100 MESH USED 190,540 LBS 40/70 OTTAWA SAND. PUMPED AS DESIGNED
04:30	06:00	1.50	PERF	ACTIVE	RU ALLIED WIRELINE TO PERF STG 6 PUMPED DOWN 4 EACH 3 3/8" GUNS AND HES BALL DROP CFP TO 10,354'; PERFORATED STAGE 6 HORIZONTAL INTERVALS AS FOLLOWS: 10324 10326 10264 10266 10204 10206 10144 10146  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  WEATHERFORD PUMPDOWN BBLS= 228 BLS