



Partner Report

Report # 1 Date: 5/21/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$33,615	Cum To Date (Cost) \$33,615	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 5.0

Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	1.00	\$33,615	\$33,615	\$1,590,000	\$1,556,385
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CTI ENERGY SERVICES, 2					
Drilled Last 24 Hours (ft)	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	DFS (days) 0.00	Report Number 1	Report End Date 5/21/2013
Last Casing String					

Status at 6 AM PREPARING TO SPUD	24 Hour Forecast SPUD WELL AND DRILL TO TD 670' (695' KB)
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Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	MOB	ACTIVE	MOVE RIG TO NEW LOCATION AND RIG UP SAME. MAKE MINER RIG REPARES



Partner Report

Report # 2 Date: 5/22/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$2,115	Cum To Date (Cost) \$35,730	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 10.0
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	2.00	\$2,115	\$35,730	\$1,590,000	\$1,554,270
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CTI ENERGY SERVICES, 2					
Drilled Last 24 Hours (ft) 670.00	End Depth (ftKB) 695.0	End Depth (TVD) (ftKB)	DFS (days) 1.00	Report Number 2	Report End Date 5/22/2013
Last Casing String					

Status at 6 AM TD. BUILDING HI-VIS SWEEP	24 Hour Forecast CIRC WELL BORE CLEAN PRIOR TO TRIPPING OUT OF HOLE, RUN 9 5/8 CASING, CEMENT, INSTALL 9 5/8X11" 5K WELL HEAD AND TEST SAME TO 1500 PSI
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Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:00	24.00	DRLG	ACTIVE	DRILLING FROM 25' TO 670' (695' KB) TD. PUMPING HI-VIS SWEEPS EVERY 95'. TAKING SURVEYS EVERY 100' WITH RIG GRYO. WOB=20 RPM=75 STAGE FLOW UP FROM 250GPM TO 500 GPM.



Partner Report

Report # 3 Date: 5/23/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$122,772	Cum To Date (Cost) \$158,502	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 15.0
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	3.00	\$122,772	\$158,502	\$1,590,000	\$1,431,498
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CTI ENERGY SERVICES, 2					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 695.0	End Depth (TVD) (ftKB)	DFS (days) 2.00	Report Number 3	Report End Date 5/23/2013

Last Casing String SURFACE, 695.0ftKB	
Status at 6 AM TESTING WELL HEAD	24 Hour Forecast WARM STACK RIG ON LOCATION WHILE WAITING ON NEW LOCATION TO BE COMPLETED

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:00	1.00	CIRC	ACTIVE	CIRC PUMPING 3 HI-VIS SWEEPS BRINGING BACK LARGE AMOUNTS OF SAND AND SHALE. CIRC WELL BORE CLEAN FOR 9 5/8 CASING RUN
07:00	12:00	5.00	TRIP	ACTIVE	TRIP OUT OF HOLE WITH MIN DRAG. BREAK AND L/D BHA AND BIT #1
12:00	16:30	4.50	CSG	ACTIVE	HOLD SAFTY MEETING WITH RIG HANDS ON RIGGING CASING TOOLS AND RUN 9 5/8 #40 J-55 BTC CASING TO 695' KB. SET SHOE @ 695' KB.
16:30	17:30	1.00	CIRC	ACTIVE	CIRC 1 1/2 TIMES THE CAPACITY OF THE CASING TO ENSURE FLOAT EQUIPMENT IS CLEAR PRIOR TO CEMENT JOB
17:30	19:30	2.00	CMTPRI	ACTIVE	TEST STEEL LINES TO 4000 PSI. PUMP 20 BBLS FRESH WATER SPACER, PUMP 115 BBLS LEAD CEMENT @ 13.5 PPG (369 SACKS), DROP PLUG AND DISPLACE WITH 47 BBLS FRESH WATER. PLUG BUMPED @ CALC VOL, FLOAT HELD AND BLEED BACK 1/2 BBL. 20BBLS CEMENT RETURNS TO SURFACE. RIG DOWN CEMENTERS AND EQUIPMENT.
					CONTACT TRRC @ 9:00 AM ON 5/22/13 PRIOR TO CEMENT JOB OPERATOR- AMY PEREZ JOB #- 4310
19:30	00:00	4.50	RIGSVC	ACTIVE	WAITING ON GRYO TO COME FROM MIDLAND
00:00	01:00	1.00	WIRELINE	ACTIVE	RIG UP V.E.S WIRE LINE AND RUN GRYO SURVEY TO 625'
01:00	06:00	5.00	WLHEAD	ACTIVE	MAKE ROUGH CUT ON 9 5/8 CASING, MOVE RIG, MAKE FINAL CUT ON 9 5/8 #40 J-55 BTC CASING AND INSTALL WELL HEAD @ 14" BELOW GROUND LEVEL. TEST WELL HEAD TO 1500 PSI. (TEST OK) WITNESSED BY BRIAN LAFLEUR.
					RIG RELEASED @ 6:00 AM ON 5/23/13



UNIVERSITY 52-24 12H
Wellbore Name: OH

WEST UNRESTRICTED
CONFIDENTIAL

Partner Report

Report # 4 Date: 6/5/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$33,136	Cum To Date (Cost) \$191,796	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 20.0
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	4.00	\$33,136	\$191,796	\$1,590,000	\$1,398,204
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 695.0	End Depth (TVD) (ftKB) 695.0	DFS (days) 15.00	Report Number 4	Report End Date 6/5/2013

Last Casing String SURFACE, 695.0ftKB	
Status at 6 AM SAFETY MEETING WITH DEVON, CACTUS DRILLING,FOWLER	24 Hour Forecast R/D ON UNIVERSITY 52-23 7H AND R/U ON UNIVERSITY 52-24 12H

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:30	0.50	SAFETY	ACTIVE	SAFETY MEETING WITH DEVON, CACTUS DRILLING AND FOWLER
06:30	07:00	0.50	SAFETY	ACTIVE	HELD SAFETY STAND DOWN WITH EVERYONE ON LOCATION, DISCUSSED AND MADE SURE EVERYONE KNOWS THEY CAN STOP THE JOB AT ANYTIME..
07:00	18:00	11.00	MOB	ACTIVE	RIG DOWN BOP WRENCHES, TOP DRIVE, DES EQUIPMENT, RIG FLOOR, MUD TANKS , WATER TANKS , MUD PUMPS ,TOP DRIVE HOUSE, ACCUMULATOR ,PIPE WRANGLER, INSTALL BLOCK CRADLE, LOAD OUT AND MOVE , MISS. EQ.,DES EQUIPMENT ,BOPS,ACCUMULATOR, V-DOOR/CATWALK, PIPE WRANGLER TO UNIVERSITY 52-24 12H, 45% RIGGED DOWN 15% MOVED 5% SET IN 0% RIGGED UP 24 HOURS FROM RIG RELEASE ON LOCATION 1 POLE TRUCK ARIVED @ 7.30 AM 1 MOBILE CRANE ARIVED @ 11.30 AM 1 FORKLIFT ARIVED @ 7.30 AM CONTACTED UNIVERSITY LAND ON INTENT TO MOVE ON 6/1/13 @ 11:00AM TO UNIVERSITY 52-24 12H, PERFORMED ROUTE ASSESSMENT WITH FOWLER SAFETY MAN ON LOCATION FOR 12 HOUR'S
18:00	06:00	12.00	SHUTDOWN	ACTIVE	WAITING ON DAYLIGHT



Partner Report

Report # 5 Date: 6/6/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$34,376	Cum To Date (Cost) \$226,172	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 25.0
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	5.00	\$34,376	\$226,172	\$1,590,000	\$1,363,828
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 695.0	End Depth (TVD) (ftKB) 695.0	DFS (days) 16.00	Report Number 5	Report End Date 6/6/2013

Last Casing String
SURFACE, 695.0ftKB

Status at 6 AM SAFETY MEETING WITH DEVON, CACTUS DRILLING	24 Hour Forecast RIG UP ON THE UNIVERSITY 52-24 12H
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Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:30	0.50	SAFETY	ACTIVE	HELD SAFETY MEETING WITH DEVON, CACTUS AND FOWLER
06:30	09:30	3.00	MOB	ACTIVE	RIG DOWN FINISH PREPARING DERRICK TO BE LOWER, AND LOWER DERRICK, LOAD OUT MUD TANKS AND MUD PUMPS, LOAD OUT CREW HOUSES
09:30	10:00	0.50	SAFETY	ACTIVE	HELD SAFETY STAND DOWN ON AWARENESS OF SURROUNDINGS AND COMMUNICATION, AFTER CRANE OPERATOR BACKED UP AND SWUNG CRANE INTO FORKLIFT
10:00	18:00	8.00	MOB	ACTIVE	RIG DOWN MOTOR PACKAGE, KOMEY, PART HOUSES, WATER TANKS, DRESS OUT DERRICK FOR TRANSPORT MOVE MOTOR PACKAGE, REMOVE DERRICK FROM FLOOR, LOAD OUT DERRICK, SPOT MUD TANKS, MUD PUMPS, CREW TRAILERS, AND START RIGGING UP PITS ON UNIVERSITY 52-24 12H 98% RIGGED DOWN 95% MOVED 30% SET IN 20% RIGGED UP 48 HOURS FROM RIG RELEASE 3.5 MILE MOVE WITH FOWLER TRUCKING ON LOCATION 7 ROAD TRUCK 1 TANDEM 1 CRAWLER AND 1 MOBLE CRANE 2 POLE TRUCKS 2 FORKLIFT SAFETY MAN ON LOCATION FOR 12 HOUR'S POLE TRUCK BROKE DOWN FOR 3 HOURS DUE TO HYDRAULIC HOSE BUSTED TANDEM TRUCK BROKE DOWN FOR 1.5 HOURS DUE TO PRESSURE SENSOR SWITCH SKY TRACK FORKLIFT WAS BROKE FROM INCIDENT WITH CRANE
18:00	06:00	12.00	SHUTDOWN	ACTIVE	WAITING ON DAYLIGHT



Partner Report

Report # 6 Date: 6/7/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$34,376	Cum To Date (Cost) \$420,643	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 30.0
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	6.00	\$34,376	\$420,643	\$1,590,000	\$1,169,357
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 695.0	End Depth (TVD) (ftKB) 695.0	DFS (days) 17.00	Report Number 6	Report End Date 6/7/2013

Last Casing String SURFACE, 695.0ftKB	
Status at 6 AM SAFETY MEETING WITH DEVON,CACTUS,& FOWLER	24 Hour Forecast RIG UP ON THE UNIVERSITY 52-24 12H

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:30	0.50	SAFETY	ACTIVE	HELD SAFETY MEETING WITH DEVON, CACTUS AND FOWLER
06:30	11:00	4.50	MOB	ACTIVE	LOAD OUT OFF DRILLER SIDE SUB, TOP DOG HOUSE, CENTER STEEL, & MISC. SET IN EQ. ON UNIVERSITY 52-24 12H, SET SCR HOUSE, & MOTOR PACKAGE
11:00	12:00	1.00	SAFETY	ACTIVE	SAFETY STAND DOWN MEETING WITH DEVON, RIG CREWS, TRUCKING DEPARTMENT, AND ALL THIRD PARTY VENDORS. TOPIC DISCUSSED: TAGLINES, RECENT INCIDENTS, ZERO TOLERANCE FOR PPE, & STOP AND SAFE PROGRAM
12:00	19:00	7.00	MOB	ACTIVE	LOAD OUT DRILLER SIDE SUB AND MISC LOADS, SET IN VFD HOUSE, MATTING BOARDS, OFF DRILLER SIDE SUB, CENTER STEEL, TOP DOG HOUSE, RIG UP SCR HOUSE, AND MOTOR PACKAGE 100% RIGGED DOWN 100% MOVED 50% SET IN 25% RIGGED UP 72 HOURS FROM RIG RELEASE 3.5 MILE MOVE WITH FOWLER TRUCKING ON LOCATION 6 ROAD TRUCK 1 TANDEM 1 CRAWLER AND 1 MOBLE CRANE 1 POLE TRUCKS 2 FORKLIFT SAFETY MAN ON LOCATION FOR 12 HOUR'S
19:00	06:00	11.00	SHUTDOWN	ACTIVE	WAIT ON DAYLIGHT



Partner Report

Report # 7 Date: 6/8/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$56,279	Cum To Date (Cost) \$476,922	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 35.0
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	7.00	\$56,279	\$476,922	\$1,590,000	\$1,113,078
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 695.0	End Depth (TVD) (ftKB) 695.0	DFS (days) 18.00	Report Number 7	Report End Date 6/8/2013

Last Casing String SURFACE, 695.0ftKB	
Status at 6 AM SAFETY MEETING WITH DEVON, CACTUS, & FOWLER	24 Hour Forecast RIG UP ON THE UNIVERSITY 52-24 12H

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:30	0.50	SAFETY	ACTIVE	SAFETY MEETING WITH DEVON, CACTUS, AND FOWLER
06:30	11:00	4.50	SHUTDOWN	ACTIVE	RIG MOVE SHUT DOWN DUE TO LIGHTNING STORM
11:00	20:30	9.50	MOB	ACTIVE	SET IN EQUIPMENT ON UNIVERSITY 52-24 12H, SET CENTER STEEL, DRAWWORKS, WATER TANKS, DERRICK PINNED TOGETHER, BEGIN DRESSING OUT DERRICK, RUN STRING UP LINES TO PULL DRILL LINE, RUN ELECTRICAL TO PITS 100% RIGGED DOWN 100% MOVED 90% SET IN 75% RIGGED UP 96 HOURS FROM RIG RELEASE 3.5 MILE MOVE WITH FOWLER TRUCKING ON LOCATION 3 ROAD TRUCK 1 TANDEM 1 CRAWLER AND 1 MOBLE CRANE 1 POLE TRUCKS 1 FORKLIFT SAFETY MAN ON LOCATION FOR 12 HOUR'S
20:30	06:00	9.50	SHUTDOWN	ACTIVE	WAIT ON DAYLIGHT



Partner Report

Report # 8 Date: 6/9/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$40,765	Cum To Date (Cost) \$517,687	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 38.1
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	8.00	\$40,765	\$517,687	\$1,590,000	\$1,072,313
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 695.0	End Depth (TVD) (ftKB) 695.0	DFS (days) 19.00	Report Number 8	Report End Date 6/9/2013

Last Casing String SURFACE, 695.0ftKB	
Status at 6 AM SAFETY MEETING WITH DEVON & CACTUS	24 Hour Forecast PRE-SPUD INSPECTION, NIPPLE UP & TEST

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:30	0.50	SAFETY	ACTIVE	SAFETY MEETING WITH DEVON, CACTUS, & FOWLER TRUCKING
06:30	08:30	2.00	MOB	ACTIVE	UNSPPOOL DRILL LINE DUE TO TANGLE UP, STRING UP BLOCKS
08:30	20:30	12.00	MOB	ACTIVE	FINISH SETTING IN EQUIPMENT ON UNIVERSITY 52-24 12H, DRESS OUT DERRICK, RAISE DERRICK, RIG UP FLOOR, RIG UP PUMPS, RIG UP ELECTRICAL, WATER, & AIR LINES, 100% RIGGED DOWN 100% MOVED 100% SET IN 95% RIGGED UP 120 HOURS FROM RIG RELEASE 3.5 MILE MOVE WITH FOWLER TRUCKING ON LOCATION 1 TANDEM 1 MOBLE CRANE 1 FORKLIFT SAFETY MAN ON LOCATION FOR 12 HOUR'S
20:30	06:00	9.50	SHUTDOWN	ACTIVE	WAIT ON DAYLIGHT



Partner Report

Report # 9 Date: 6/10/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$54,125	Cum To Date (Cost) \$569,537	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 42.4
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	9.00	\$54,125	\$569,537	\$1,590,000	\$1,020,463
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 695.0	End Depth (TVD) (ftKB) 695.0	DFS (days) 20.00	Report Number 9	Report End Date 6/10/2013

Last Casing String SURFACE, 695.0ftKB	
Status at 6 AM PUMP THROUGH CHOKE AND SEPARATOR	24 Hour Forecast DRILL FLOAT EQUIPMENT, DRILL 8 3/4 VERTICAL HOLE

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	11:00	5.00	MOB	ACTIVE	PRE-SPUD INSPECTION, CHANGE OVER TO RIG POWER, RIG UP BELLS & ELEVATORS, DRESS OUT FLOOR, STROKE AND TEST OUT PUMPS, FINISH RIGGING UP PITS 100% RIGGED DOWN 100% MOVED 100% SET IN 100% RIGGED UP 125 HOURS FROM RIG RELEASE 3.5 MILE MOVE WITH FOWLER TRUCKING SAFETY MAN ON LOCATION FOR 5 HOUR'S
11:00	14:00	3.00	BOPS	ACTIVE	REMOVE STACK FROM CRADLE AND NIPPLE UP WITH LONESTAR TORQUE CREW, INSTALL CHOKE LINE AND ALL KOOMY LINES
14:00	18:00	4.00	BOPS	ACTIVE	RIG UP LONESTAR TO TEST BOPS. TEST ALL RAMS ON STACK 250 LOW 3000 HIGH, TEST HYDRILL 250 LOW 1500 HIGH, TEST ALL VALVES ON CHOKE 250 LOW 3000 HIGH. HELD EACH TEST 10 MIN. (LOW AND HIGH), TEST CASING 1500 PSI. HELD ON CHART FOR 30 MIN, GOOD TEST ON ALL EQUIPMENT CO MAN PRESENT DURING ALL TESTING
18:00	21:00	3.00	RIGSVC	ACTIVE	CHANGE OUT VIBRATOR HOSE FROM STANDPIPE TO FOUR INCH MANIFOLD ON SIDE OF DERRICK
21:00	23:00	2.00	BOPS	ACTIVE	TEST FLOOR VALVES AND BACK TO PUMPS 250 LOW 3000 HIGH HELD EACH TEST 10 MIN (LOW AND HIGH) GOOD TEST ON ALL EQUIPMENT CO MAN PRESENT DURING ALL TESTING
23:00	23:30	0.50	BOPS	ACTIVE	INSTALL WEAR BUSHING WITH FMC
23:30	02:00	2.50	RIGSVC	ACTIVE	FINISH TIGHTING FLOW LINE, INSTALL 2" FILL UP LINE AND KILL LINE, FIX ALL DISCREPANCY'S ON RIG INSPECTION, LAY OUT BHA AND STRAP SAME
02:00	04:00	2.00	BHA	ACTIVE	PICK UP VERTICAL BHA, PICK UP 1.50 HIGH SPEED MOTOR WITH 8 5/8 STABILIZER.INSTALL EM SURVEY TOOL AND SURFACE TEST WITH 400 GPM. GOOD TEST, MAKE UP 8 3/4 MM65DRM BIT
04:00	05:30	1.50	TRIP	ACTIVE	PICK UP THREE 6" DRILL COLLARS AND 15 JOINTS 5" HWDP AND TRIP IN HOLE TO FLOAT EQUIPMENT AT 653'
05:30	06:00	0.50	RIGSVC	ACTIVE	INSTALL ROTATE HEAD AND PUMP THROUGH CHOKE AND GAS SEPARATOR LINE UP CHOKE FOR HARD SHUT IN



Partner Report

Report # 10 Date: 6/11/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$89,498	Cum To Date (Cost) \$659,035	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 50.8
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	10.00	\$89,498	\$659,035	\$1,590,000	\$930,965
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 4,705.00	End Depth (ftKB) 5,400.0	End Depth (TVD) (ftKB)	DFS (days) 0.94	Report Number 10	Report End Date 6/11/2013

Last Casing String SURFACE, 695.0ftKB	
Status at 6 AM TRIP OUT OF HOLE 10 STANDS TO REGAIN CIRCULATION	24 Hour Forecast REGAIN CIRCULATION, TRIP OUT OF HOLE PICK UP CURVE ASSEMBLY

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:30	1.50	RMWASH	ACTIVE	WASH AND REAM CEMENT AND DRILL FLOAT EQUIPMENT FROM 653' TO 695' GPM-575 RPM-60 WOB-2K-15K
07:30	11:00	3.50	DRLG	ACTIVE	ROTATE AND SLIDE 8 3/4" VERTICAL SECTION FROM 695' TO 1,712', 1017' @ 290' FPH, WOB=30, GPM=600, RPM=90, TD TQ=10,200, DIFF=350-400,STKS=140, PSI=2300
11:00	11:30	0.50	RIGSVC	ACTIVE	SERVICE RIG AND TOP DRIVE
11:30	12:00	0.50	DRLG	ACTIVE	ROTATE AND SLIDE 8 3/4" VERTICAL SECTION FROM 1712' TO 2085'
12:00	12:30	0.50	DEVSUR	ACTIVE	PICK UP FLEX COLLAR, INDEX SUB & INSTALL SURVEY TOOL
12:30	13:00	0.50	DRLG	ACTIVE	ROTATE AND SLIDE 8 3/4" VERTICAL SECTION FROM 2085' TO 2332'
13:00	13:30	0.50	RIGSVC	ACTIVE	WORK ON #2 MUD PUMP, CHANGE OUT GASKET ON HIGH PSI FLANGE
13:30	18:30	5.00	DRLG	ACTIVE	ROTATE AND SLIDE 8 3/4" VERTICAL SECTION FROM 2332' TO 3910'
18:30	19:00	0.50	RIGSVC	ACTIVE	SERVICE RIG AND TOP DRIVE
19:00	03:00	8.00	DRLG	ACTIVE	ROTATE AND SLIDE 8 3/4" VERTICAL SECTION FROM 3910' TO 5400', 1490' @ 186' FPH, WOB=35, GPM=600, RPM=115, TD TQ=10,200, DIFF=350-400,STKS=130, PSI=3600
					LAST SAMPLE @ 5400' 70% SHALE 30% LIMESTONE
					LAST SURVEY @ 5341' TVD=5335' INC.=1.28 AZM.=247.99 BEHIND=5 RIGHT=4
					TOTAL DRILL=4705' SLIDE=281 ROTATE=4424 TOTAL DRLG HRS= 17.5
					SAFETY MAN ON LOCATION FOR 2.5 HOURS
03:00	05:30	2.50	CIRC	ACTIVE	CIRCULATE 2 HIGH VISCOSITY SWEEPS TO CLEAN HOLE, FIRST SWEEP BRINGING BACK A 10% INCREASE IN CUTTINGS, LOST CIRCULATION WHEN PUMPED SECOND SWEEP, PUMPED 40 BBLs OF LCM SWEEP WITH LIQUID CASING, BUILD VOLUME WITH BRINE FROM FRAC TANKS
05:30	06:00	0.50	TRIP	ACTIVE	PULL 5 STANDS ON ELEVATORS TO TRY TO REGAIN CIRCULATION



Partner Report

Report # 11 Date: 6/12/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$71,112	Cum To Date (Cost) \$730,147	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 53.6
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	11.00	\$71,112	\$730,147	\$1,590,000	\$859,853
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 200.00	End Depth (ftKB) 5,600.0	End Depth (TVD) (ftKB)	DFS (days) 1.94	Report Number 11	Report End Date 6/12/2013

Last Casing String SURFACE, 695.0ftKB	
Status at 6 AM DRILLING 8 3/4 PRODUCTION CURVE	24 Hour Forecast DRILL 8 3/4 CURVE SECTION

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:00	1.00	CIRC	ACTIVE	BUILD AND PUMP 45 BBLS OF 25 PPB VANGUARD PILL SPOT @ 4855'
07:00	08:00	1.00	TRIP	ACTIVE	REMOVE ROTATING HEAD RUBBER & FILL TRIP TANK, FILL BACK SIDE WITH 10.5 BBLS OF WATER
08:00	12:00	4.00	TRIP	ACTIVE	PULL OUT OF HOLE FROM 4855'-1400' ON ELEVATORS, HOLE STARTED PULLING TIGHT @ 1400' AND TOOK PROPER FILL UPS. STRAP OUT OF HOLE
12:00	12:30	0.50	CIRC	ACTIVE	CIRCULATE TO CLEAN WELLBORE, INCREASE IN CUTTING BY 10% & 100% FLOW
12:30	13:00	0.50	TRIP	ACTIVE	POOH FROM 1400' TO 1100' STARTED PULLING TIGHT @ 1100'
13:00	14:00	1.00	CIRC	ACTIVE	PERFORM CLEAN UP CYCLE 30% INCREASE IN CUTTINGS, 20% INCREASE IN CUTTINGS, 100% FLOW
14:00	15:30	1.50	TRIP	ACTIVE	POOH FROM 1100' TO BHA
15:30	18:00	2.50	BHA	ACTIVE	LAY DOWN VERTICAL SECTION BHA, STRAP CURVE ASSEMBLY BHA AND PICK UP SAME
18:00	19:00	1.00	TRIP	ACTIVE	TRIP IN HOLE WITH CURVE ASSEMBLY, FILLING EVERY 10 STANDS BREAKING CIRCULATION
19:00	19:30	0.50	TRIP	ACTIVE	INSTALL ROTATING HEAD RUBBER
19:30	20:30	1.00	CIRC	ACTIVE	CIRCULATE BOTTOMS UP @ 2920'
20:30	22:30	2.00	TRIP	ACTIVE	TIH BREAKING CIRCULATION EVERY 10 STANDS, FULL RETURNS
22:30	23:30	1.00	CIRC	ACTIVE	CIRCULATE 20 BBL LCM SWEEP AROUND FULL RETURNS, WITH 500 GPM
23:30	01:30	2.00	RMWASH	ACTIVE	WASH AND REAM FROM 4970' TO 5400' FULL RETURNS HOLE CLEAN
01:30	06:00	4.50	DRLG	ACTIVE	ROTATE AND SLIDE 8 3/4" CURVE SECTION FROM 5400' TO 5600', 200' @ 44' FPH, WOB=35, GPM=600, RPM=115, TD TQ=10,200, DIFF=350-400,STKS=130, PSI=3600
					LAST SAMPLE @ 5450' 100% SHALE
					LAST SURVEY @ 5457' TVD=5450' INC.=7.27 AZM.=205.27 BEHIND=ON LINE RIGHT=2 NTL=8.59 YIELD=10.85 C/C=470 C/F=15.17 LIP=439 TOTAL DRILL=4705' SLIDE=281 ROTATE=4424 TOTAL DRLG HRS= 17.5
					SAFETY MAN ON LOCATION FOR 0 HOURS



Partner Report

Report # 12 Date: 6/13/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00
			KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00
				Tubing Head Elevation (ft)

Jobs				
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877	

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$72,446	Cum To Date (Cost) \$802,060	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 57.3
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	12.00	\$72,446	\$802,060	\$1,590,000	\$787,940
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 833.00	End Depth (ftKB) 6,433.0	End Depth (TVD) (ftKB)	DFS (days) 2.94	Report Number 12	Report End Date 6/13/2013

Last Casing String SURFACE, 695.0ftKB	
Status at 6 AM LAYING DOWN 8 3/4" CURVE ASSEMBLY	24 Hour Forecast PICK UP 8 3/4" LATERAL BHA, TRIP IN HOLE, DISPLACE WITH OIL BASE MUD, DRILL 8 3/4" LATERAL SECTION FROM 6433'

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:30	0.50	RIGSVC	ACTIVE	LUBRICATE RIG AND TOP DRIVE
06:30	19:00	12.50	DRLG	ACTIVE	ROTATE AND SLIDE 8 3/4" CURVE SECTION FROM 5600' TO 6433', 833' @ 66.6 FPH, WOB=35, GPM=600, RPM=10, TD TQ=12,000, DIFF=200-300,STKS=130, PSI=2900
19:00	20:30	1.50	CIRC	ACTIVE	CIRCULATE 2 HIGH VISCOSITY SWEEPS TO CLEAN HOLE, WHILE ROTATING PIPE @ 20 RPM AND RECIPROCATING @ 1.5 FPM, GPM=500, TD TQ=6000, PSI=2750
20:30	00:00	3.50	TRIP	ACTIVE	PULL OUT OF HOLE ON ELEVATORS TO 2477', HOLE STARTED TO PULL 30K OVER
00:00	03:00	3.00	TRIP	ACTIVE	BACK REAM OUT OF HOLE FROM 2477' TO 1225' DUE TO HOLE PULLING TIGHT, BACKREAM FIRST STAND @ 2477', ATTEMPT TO PULL NEXT STAND, STAND PULLING TIGHT, PUMP AND BACKREAM OUT OF HOLE DUE TO TIGHT HOLE AND PACKING OFF, GPM=350, TD=15, TQ=1400-6000, PSI=1100
03:00	03:30	0.50	TRIP	ACTIVE	PULL OUT OF HOLE ON ELEVATORS FROM 1225' TO 653'
03:30	04:30	1.00	PITS	ACTIVE	JET OUT PITS TO BE CLEANED FOR OIL BASE MUD
04:30	05:00	0.50	TRIP	ACTIVE	PULL OUT OF HOLE FROM 653' TO BHA
05:00	06:00	1.00	BHA	ACTIVE	LAY DOWN 8 3/4" CURVE BHA ASSEMBLY
					LAST SAMPLE @ 6433' 10% LIMESTONE, 80% LIMEY SHALE, 10 % LIMEY GREEN SHALE
					LAST SURVEY @ 6377' TVD=6026.36' INC.=83.54 AZM.=181.22 AHEAD=15 LEFT=1.8 NTL=1.32 YIELD=14 C/C=244 C/F=13.43 LIP=226' TOTAL DRILL=833' SLIDE=674' ROTATE=159' TOTAL DRLG HRS= 12.5
					PROJECTED @ BIT MD=6433' TVD=6030',AZM=181.22 INC=87.04
					SAFETY MAN ON LOCATION FOR 0 HOURS
					NIGHT CREW SHORT HANDED, WORKING WITH 4 MAN CREW, COMMUNICATED WITH TOOL PUSHER AND SAID CACTUS OFFICE WAS NOTIFIED 3 WEEKS PRIOR TO TODAY'S DATE AND WAS SAID WOULD BE 6/19/2013 BEFORE A HAND WOULD BE PRESENT ON LOCATION TO FILL SPOT



Partner Report

Report # 13 Date: 6/14/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$74,499	Cum To Date (Cost) \$876,559	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 63.3
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	13.00	\$74,499	\$876,559	\$1,590,000	\$713,441
COMPLETION	0.00	\$0	\$0	\$591,900	\$591,900

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 1,967.00	End Depth (ftKB) 8,400.0	End Depth (TVD) (ftKB)	DFS (days) 3.94	Report Number 13	Report End Date 6/14/2013

Last Casing String SURFACE, 695.0ftKB	
Status at 6 AM DRILLING 8 3/4" LATERAL SECTION @ 8400'	24 Hour Forecast DRILL 8 3/4" LATERAL SECTION FROM 8400', PUMPING HIGH VISCOSITY SWEEPS AND MONITORING PUSO CHART ON RIG FLOOR

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:30	0.50	RIGSVC	ACTIVE	LUBRICATE RIG AND TOP DRIVE
06:30	07:00	0.50	BHA	ACTIVE	PICK UP 8 3/4" LATERAL ASSEMBLY AND 66 D BIT, TEST MUD MOTOR AND MWD WITH 450 GPM, 1250 PSI, TEST GOOD
07:00	07:30	0.50	TRIP	ACTIVE	TRIP IN HOLE TO 970' 1100', ENCOUNTERING TIGHT SPOT @ 1100'
07:30	08:00	0.50	RMWASH	ACTIVE	WASH AND REAM FROM 970' TO 1100' DUE TO TIGHT SPOT, WITH GPM=350, PSI=1000, TQ=800-6000, MINIMUM CUTTINGS COMING ACROSS SHAKERS WHILE REAMING
08:00	08:15	0.25	TRIP	ACTIVE	TRIP IN HOLE FROM 1100' TO 1880', ENCOUNTERING TIGHT SPOT @ 1,880'
08:15	08:30	0.25	RMWASH	ACTIVE	WASH AND REAM FROM 1880' TO 1970' DUE TO TIGHT SPOT @ 1970' GPM=350, TD RPM=70., PSI=1000, TQ=1000-4500, MINIMUM CUTTINGS COMING ACROSS SHAKERS WHILE REAMING
08:30	09:00	0.50	TRIP	ACTIVE	TRIP IN HOLE FROM 1970' TO 2269', ENCOUNTERING TIGHT SPOT @ 2269'
09:00	09:30	0.50	RMWASH	ACTIVE	WASH AND REAM FROM 2269' TO 2360' DUE TO TIGHT SPOT @ 2360', GPM=350, TD RPM=70., PSI=1000, TQ=1000-3000, MINIMUM CUTTINGS COMING ACROSS SHAKERS WHILE REAMING
09:30	12:00	2.50	TRIP	ACTIVE	TRIP IN HOLE FROM 2360' TO 6025', ENCOUNTERING TIGHT SPOT @ 6025'
12:00	14:00	2.00	RMWASH	ACTIVE	WASH AND REAM FROM 6025' TO 6433', DUE TO TIGHT SPOT @ 6025', GPM250, PSI=900, TQ=4000-9000, MINIMUM CUTTINGS COMING ACROSS SHAKERS WHILE REAMING
14:00	15:00	1.00	CIRC	ACTIVE	DISPLACE HOLE WITH OIL BASE MUD
15:00	17:00	2.00	DRLG	ACTIVE	SLIDE AND ROTATE 8 3/4" LATERAL SECTION FROM 6433' TO 6740', 307' @ 153.5 FPH, WOB=30, GPM=550, PSI=4050, TD RPM=100, TQ=12000-16000
17:00	20:00	3.00	RIGSVC	ACTIVE	CHANGE OUT SWAB ON #1 MUD PUMP, RIG DID NOT HAVE 6" SWAB AVAILABLE, WAIT ON SWAB FROM NATIONAL OILWELL



Partner Report

Report # 13 Date: 6/14/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
20:00	06:00	10.00	DRLG	ACTIVE	<p>SLIDE AND ROTATE 8 3/4" LATERAL SECTION FROM 6740' TO 8400', 1660' @ 166 FPH, WOB=40, GPM=530, PSI=4150, TD RPM=120, TQ=13000-17000 PUMPING HIGH VISCOSITY SWEEPS AND MONITORING PUSO CHART ON RIG FLOOR</p> <p>LAST SAMPLE @ 7964 10% LIMESTONE, 90% SHALE</p> <p>LAST SURVEY @ 8089' TVD=6024.69 INC.=91.18 AZM.=178.36 HIGH=5 RIGHT=14 C/C=1540' C/F=59.35' LIP=1514' TOTAL DRILL=1967' SLIDE=96 ROTATE=1871 TOTAL DRLG HRS=12</p> <p>SAFETY MAN ON LOCATION FOR 0 HOURS</p>



Partner Report

Report # 14 Date: 6/15/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877
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Costs

WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$94,558	Cum To Date (Cost) \$1,018,936	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 73.8
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.00	\$88,788	\$1,013,166	\$1,590,000	\$576,834
COMPLETION	0.00	\$5,770	\$5,770	\$591,900	\$586,130

Daily Operations

Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 3,600.00	End Depth (ftKB) 12,000.0	End Depth (TVD) (ftKB)	DFS (days) 4.94	Report Number 14	Report End Date 6/15/2013

Last Casing String
SURFACE, 695.0ftKB

Status at 6 AM DRILLING 8 3/4" LATERAL SECTION @ 12000	24 Hour Forecast DRILL 8 3/4" LATERAL SECTION FROM 12000 TO 13368', PERFORM CLEAN UP CYCLE, LAY DOWN 5" DRILL PIPE
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Time Log

Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:30	0.50	RIGSVC	ACTIVE	LUBRICATE RIG AND TOP DRIVE
06:30	09:00	2.50	DRLG	ACTIVE	SLIDE AND ROTATE 8 3/4" LATERAL SECTION FROM 8400' TO 8710', 310 @ 124 FPH, WOB=40, GPM=460, PSI=4100, TD RPM=120, TQ=12000-18000 PUMPING HIGH VISCOSITY SWEEPS AND MONITORING PUSO CHART ON RIG FLOOR
09:00	09:30	0.50	DPIPE	ACTIVE	LAY DOWN TWO JOINTS OF WASHED HEAVY WEIGHT DRILL PIPE
09:30	02:30	17.00	DRLG	ACTIVE	SLIDE AND ROTATE 8 3/4" LATERAL SECTION FROM 8710' TO 11,740", 3030' @ 178.2 FPH, WOB=40, GPM=460, PSI=4100, TD RPM=120, TQ=12000-20000 PUMPING HIGH VISCOSITY SWEEPS AND MONITORING PUSO CHART ON RIG FLOOR
02:30	03:30	1.00	RIGSVC	ACTIVE	CHANGE OUT SWAB ON # 2 MUD PUMP, WHILE RECIPROCATING PIPE @ 1.5 FPM AND ROTATING @ 100 RPM
03:30	06:00	2.50	DRLG	ACTIVE	SLIDE AND ROTATE 8 3/4" LATERAL SECTION FROM 11,740' TO 12000', 260' @ 104 FPH, WOB=40, GPM=460, PSI=4100, TD RPM=120, TQ=12000-20000 PUMPING HIGH VISCOSITY SWEEPS AND MONITORING PUSO CHART ON RIG FLOOR
					LAST SAMPLE @ 11600 100% SHALE
					LAST SURVEY @ 11,777' TVD=6007.06 INC.=90.97 AZM.=180.07 LOW=4 ON THE LINE C/C=51.20 C/F=101 LIP=5070 TOTAL DRILL=3600 SLIDE=259 ROTATE=3341 TOTAL DRLG HRS=22
					SAFETY MAN ON LOCATION FOR 0 HOURS



Partner Report

Report # 15 Date: 6/16/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$112,605	Cum To Date (Cost) \$1,131,541	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 81.4
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.44	\$52,527	\$1,065,693	\$1,590,000	\$524,307
COMPLETION	0.56	\$60,078	\$65,848	\$591,900	\$526,052

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 1,331.00	End Depth (ftKB) 13,331.0	End Depth (TVD) (ftKB) 5,987.2	DFS (days) 5.94	Report Number 15	Report End Date 6/16/2013

Last Casing String SURFACE, 695.0ftKB	
Status at 6 AM PULLING OUT OF HOLE @ 3000;	24 Hour Forecast LAY DOWN 5" DRILL PIPE AND CURVE BHA, RIG UP AND RUN 5 1/2" CASING

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:30	0.50	RIGSVC	ACTIVE	LUBRICATE RIG AND TOP DRIVE
06:30	16:30	10.00	DRLG	ACTIVE	SLIDE AND ROTATE 8 3/4" LATERAL SECTION FROM 12000' TO 13,331', 1331' @ 133.1 FPH, WOB=40, GPM=460, PSI=4100, TD RPM=120, TQ=12000-20000 PUMPING HIGH VISCOSITY SWEEPS AND MONITORING PUSO CHART ON RIG FLOOR
16:30	22:30	6.00	CIRC	ACTIVE	PERFORM 6 OUR CLEAN UP CYCLE @ 13,331' PUMPING HIGH VISCOSITY SWEEPS, ROTATING PIPE 100 RPM AND RECIPROCATING PIPE @ 1.5 FPM, 1 ST SWEEP BRINGING BACK 50% INCREASE IN COFFE SIZE CUTTINGS, 2 ND SWEEP BRINING BACK 35% INCREASE IN COFFEE SIZE CUTTINGS, 3RD SWEEP BRINING BACK 15% INCREASE IN COFFEE SIZE CUTTINGS, 4TH SWEEP BRINING BACK 5% INCREASE IN COFFEE SIZE CUTTINGS, CONTINUE PUMPING SWEEPS WHILE PERFORMING CLEAN UP CYCLE
22:30	23:30	1.00	TRIP	ACTIVE	PULL OUT OF HOLE ON ELEVATORS FROM 13,331' TO 12,388', HOLE SLICK AND TAKING PROPER FILLS
23:30	02:30	3.00	DPIPE	ACTIVE	LAY DOWN DRILL PIPE FROM 12,388' to 8300'
02:30	03:30	1.00	RIGSVC	ACTIVE	WORK ON HOSE ON PIPE CAT
03:30	06:00	2.50	TRIP	ACTIVE	PULL OUT OF HOLE ON ELEVATORS FROM 8300' TO 3000', DUE TO NOT HAVING HOSE FOR PIPE CAT PERFORM FLUID CALIPER LOG WITH DEL'S FLUID CALIPERS 22% WASHOUT AVERAGE HOLE SIZE 9 3/8" LAST SAMPLE @ 13330 100% SHALE LAST SURVEY @ 13,331' TVD=5987.27 INC.=91.31 AZM.=179.89 HIGH=5 RIGHT=10 C/C=274 C/F=1.09 LIP=22.9 TOTAL DRILL=1331' SLIDE=120 ROTATE=1211' TOTAL DRLG HRS=10 SAFETY MAN ON LOCATION FOR 0 HOURS



Partner Report

Report # 16 Date: 6/17/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00
			KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00
				Tubing Head Elevation (ft)

Jobs				
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877	

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$50,647	Cum To Date (Cost) \$1,182,188	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 91.8
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.44	\$23,647	\$1,125,482	\$1,590,000	\$464,518
COMPLETION	1.56	\$27,000	\$56,707	\$591,900	\$535,193

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 13,331.0	End Depth (TVD) (ftKB) 5,987.2	DFS (days) 6.94	Report Number 16	Report End Date 6/17/2013

Last Casing String SURFACE, 695.0ftKB	
Status at 6 AM RUNNING 5 1/2" 17 LB P-110 CASING @ 13,000'	24 Hour Forecast RUN 5 1/2" 17 LB P-110 CASING, CEMENT PRODUCTION CASING, NIPPLE DOWN B.O.P, INSTALL TUBING HEAD, LAYDOWN 5" DRILL PIPE IN MOUSEHOLE

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	06:30	0.50	RIGSVC	ACTIVE	LUBRICATE RIG AND TOP DRIVE
06:30	09:00	2.50	TRIP	ACTIVE	PULL OUT OF HOLE ON ELEVATORS, HOLE SLICK AND TAKING PROPER FILLS
09:00	12:00	3.00	BHA	ACTIVE	LAY DOWN 8 3/4" LATERAL BHA WITH AIR HOIST AND LAY DOWN LINE DUE TO BROKEN PIPE CAT
12:00	12:30	0.50	BOPS	ACTIVE	PULL WEAR BUSHING
12:30	13:00	0.50	RIGSVC	ACTIVE	REMOVE BELLS AND ELEVATORS
13:00	13:30	0.50	CSG	ACTIVE	SAFETY MEETING WITH ALL CREWS ON RUNNING 5 1/2" P-110 17LB PRODUCTION CASING
13:30	15:30	2.00	CSG	ACTIVE	RIG UP TESCO CASING CASING TOOLS
15:30	06:00	14.50	CSG	ACTIVE	MAKE UP SHOE AND FLOAT EQUIPMENT WITH THREAD LOCK ,TORQUE WITH RIG TONGS, TORQUE SHOE, FLOAT EQUIPMENT AND FRACK SLEEVE TO DIAMOND, BREAK CIRCULATION THROUGH SHOE AND FLOAT EQUIPMENT AND RUN 5 1/2" P110 17 LBS BTC CASING TO 13,000' , TORQUE CASING TO 8200 FT LBS WITH TORQUE TURN MONITORING WITH TESCO, FILLING PIPE EVERY 25 JOINT, MONITORING CASING PUSO RUN ON RIG FLOOR
					CONTACTED TRRC ON 6-16-2013 @ 18:00 WITH INTENT TO CEMENT 5 1/2" P-110 17LB BTC PRODUCTION CASING, SPOKE WITH DARLA
					SAFTEY TECH ON LOCATION FOR .5 HOURS



Partner Report

Report # 17 Date: 6/18/2013 06:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00
			KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00
				Tubing Head Elevation (ft)

Jobs				
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877	

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 20.00	Daily Cost (Cost) \$474,714	Cum To Date (Cost) \$1,656,901	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 97.5
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.44	\$14,799	\$1,145,398	\$1,590,000	\$444,602
COMPLETION	2.56	\$459,915	\$511,503	\$591,900	\$80,397

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 13,331.0	End Depth (TVD) (ftKB) 5,987.2	DFS (days) 7.94	Report Number 17	Report End Date 6/18/2013

Last Casing String PRODUCTION 1, 13,316.0ftKB	
Status at 6 AM LAY DOWN DRILL PIPE FROM MOUSE HOLE	24 Hour Forecast LAY DOWN DRILL PIPE , PREPARE RIG TO MOVE TO CORTES 3H

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	07:00	1.00	CSG	ACTIVE	RUN 5 1/2" P110 17 LBS BTC CASING FROM 13,000' TO 13,316', TORQUE CASING TO 8200 FT LBS WITH TORQUE TURN MONITORING WITH TESCO, FILLING PIPE EVERY 25 JOINT, MONITORING CASING PUSO RUN ON RIG FLOOR
					CONTACTED TRRC ON 6-16-2013 @ 18:00 WITH INTENT TO CEMENT 5 1/2" P-110 17LB BTC PRODUCTION CASING, SPOKE WITH DARLA
07:00	07:30	0.50	RIGSVC	ACTIVE	LUBRICATE RIG AND TOP DRIVE
07:30	09:30	2.00	CSG	ACTIVE	CIRCULATE 1 1/2 TIMES THE CAPACITY OF 5 1/2" CASING
09:30	10:30	1.00	CSG	ACTIVE	RIG DOWN TESCO CRT
10:30	11:00	0.50	CMTPRI	ACTIVE	PRE JOB SAFTEY MEETING WITH BAKER CEMENTERS AND RIG UP CEMENTING HEAD, BELLS AND ELEVATORS
11:00	16:00	5.00	CMTPRI	ACTIVE	CEMENT 5 1/2" 17LB P-110 BTC PRODUCTION CASING. SPACER 30 BBL 10.0 PPG SEAL BOND , 30 BBL OF 10.0 PPG BRINE WATER , 30 BBL 10.0 PPG SEAL BOND ,920 SKS 12.5 PPG LEAD SLURRY 35:65:6 POZ CLASS H ,1,720 SACKS 14.2 PPG TAIL SLURRY POZ CLASS H 50:50 , DISPLACE WITH 1,000 GAL ACENTIC ACID , 274 BBL OF KCL WATER
16:00	16:30	0.50	CMTPRI	ACTIVE	RIG DOWN BAKER CEMENT EQUIPMENT
16:30	17:00	0.50	RIGSVC	ACTIVE	WASH THROUGH STACK AND FLOW LINE AND ALL EQUIPMENT TO MAKE SURE NO CEMENT
17:00	20:30	3.50	BOPS	ACTIVE	NIPPLE DOWN BOPS, TAKE OFF FLOW LINE, HYDRUALIC LINES, TURNBUCKLES, CHOKE LINES AND KILL LINES RIG UP LONESTAR BREAK BOLTS ON STACK AND RAISE STACK
20:30	23:00	2.50	BOPS	ACTIVE	SET 5.5 CASING SLIPS WITH 120K IN WELL HEAD WITH FMC HAND. INSTALL TUBGING HEAD TEST HEAD TO 2600 PSI. MONITORED BY JAKE
23:00	06:00	7.00	TRIP	ACTIVE	LAY DOWN DRILL PIPE OUT OF DERRICK WITH AIR HOIST , DUE TO CAT WALK BREAKING DOWN WHILE LAYING DOWN DRILL PIPE OUT OF HOLE .



UNIVERSITY 52-24 12H
Wellbore Name: OH

WEST UNRESTRICTED
CONFIDENTIAL

Partner Report

Report # 18 Date: 6/18/2013 10:00

District PERMIAN BASIN	County SCHLEICHER	Field Name LIN (WOLFCAMP)	Project Group PB TEXAS EAST	State/Province TX			
Surface Legal Location S 24, BLK 52, ULS	API/UWI 4241332877	Latitude (°) 31° 1' 28.573" N	Longitude (°) 100° 57' 20.857" W	Ground Elev... 2,556.00	KB - GL (ft) 25.00	Orig KB Elev (ft) 2,581.00	Tubing Head Elevation (ft)

Jobs			
Job Category DRILLING/COMPLETIONS	Authorized Depth (ftKB) 13,368.0	Authorized Depth TVD (ftKB)	API/UWI 4241332877

Costs					
WBS Number 01-06464.01;01-06464.02;01-06464.03;01-06464.04;01-06464.05	Planned Days (days) 50.00	Daily Cost (Cost) \$15,892	Cum To Date (Cost) \$1,672,793	Total WBS+Sup (Cost) \$6,391,650	Job % Complete (%) 36.2
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
DRILLING	14.44	\$10,072	\$1,156,526	\$1,590,000	\$433,474
COMPLETION	2.73	\$5,820	\$516,267	\$4,801,650	\$4,285,383

Daily Operations					
Rig CACTUS DRILLING COMPANY, 138					
Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 13,331.0	End Depth (TVD) (ftKB) 5,987.2	DFS (days) 8.10	Report Number 18	Report End Date 6/18/2013

Last Casing String PRODUCTION 1, 13,316.0ftKB	
Status at 6 AM RIGGING DOWN ON UNIVERSITY 52-24 12H	24 Hour Forecast RIG DOWN ON UNIVERSITY 52-24 12 H AN MOVE TO CORTES 3H

Time Log					
Start Time	End Time	Dur (hr)	Operation	Ops Status	Description
06:00	10:00	4.00	TRIP	ACTIVE	LAY DOWN DRILL PIPE OUT OF DERRICK WITH AIR HOIST , DUE TO CAT WALK BREAKING DOWN WHILE LAYING DOWN DRILL PIPE OUT OF HOLE . RELEASE RIG @ 10:00 AM ON 6/18/2013