

Company: Omimex Petroleum, Inc  
Well: Bledsoe 13x-2-5-45  
Field: Ballyneal  
County: Yuma State: Colorado

Directional Survey		Location:		Elev.		K.B.	
		SHL : 306' FSL x 630' FWL SWSW				G.L.	
		Permanent Datum:		Ground Level		3811.00 f	
		Log Measured From:		Kelly Bushing		6.00 ft	
		Drilling Measured From:		Kelly Bushing		above Perm.Datum	
		API Serial No.		Section:		Township:	
		05-125-11969-00		2		5N	
						Range:	
						45W	
Logging Date		26-Jun-2013					
Run Number		Run 1					
Depth Driller		2736.00 ft					
Schlumberger Depth		2732.00 ft					
Bottom Log Interval		2732.00 ft					
Top Log Interval		473.00 ft					
Casing Driller Size @ Depth		7 in @ 454.00 ft					
Casing Schlumberger		473 ft					
Bit Size		6.25 in					
Type Fluid In Hole		Fresh Water					
MUD	Density	Viscosity	31 s				
	Fluid Loss	PH					
Source of Sample		Flowline					
RM @ Meas Temp		0.11 ohm.m @ 81.6 degF					
RMF @ Meas Temp		0.08 ohm.m @ 81.6 degF					
RMC @ Meas Temp		0.14 ohm.m @ 81.6 degF					
Source RMF		Calculated					
RM @ BHT		0.08 @ 111 0.06 @ 111					
Max Recorded Temperatures		111 degF 111 111					
Circulation Stopped		26-Jun-2013 20:45:00					
Logger on Bottom		27-Jun-2013 00:31:12					
Unit Number		2154					
Recorded By		Arvin Shi					
Witnessed By		Paul Dekaye					

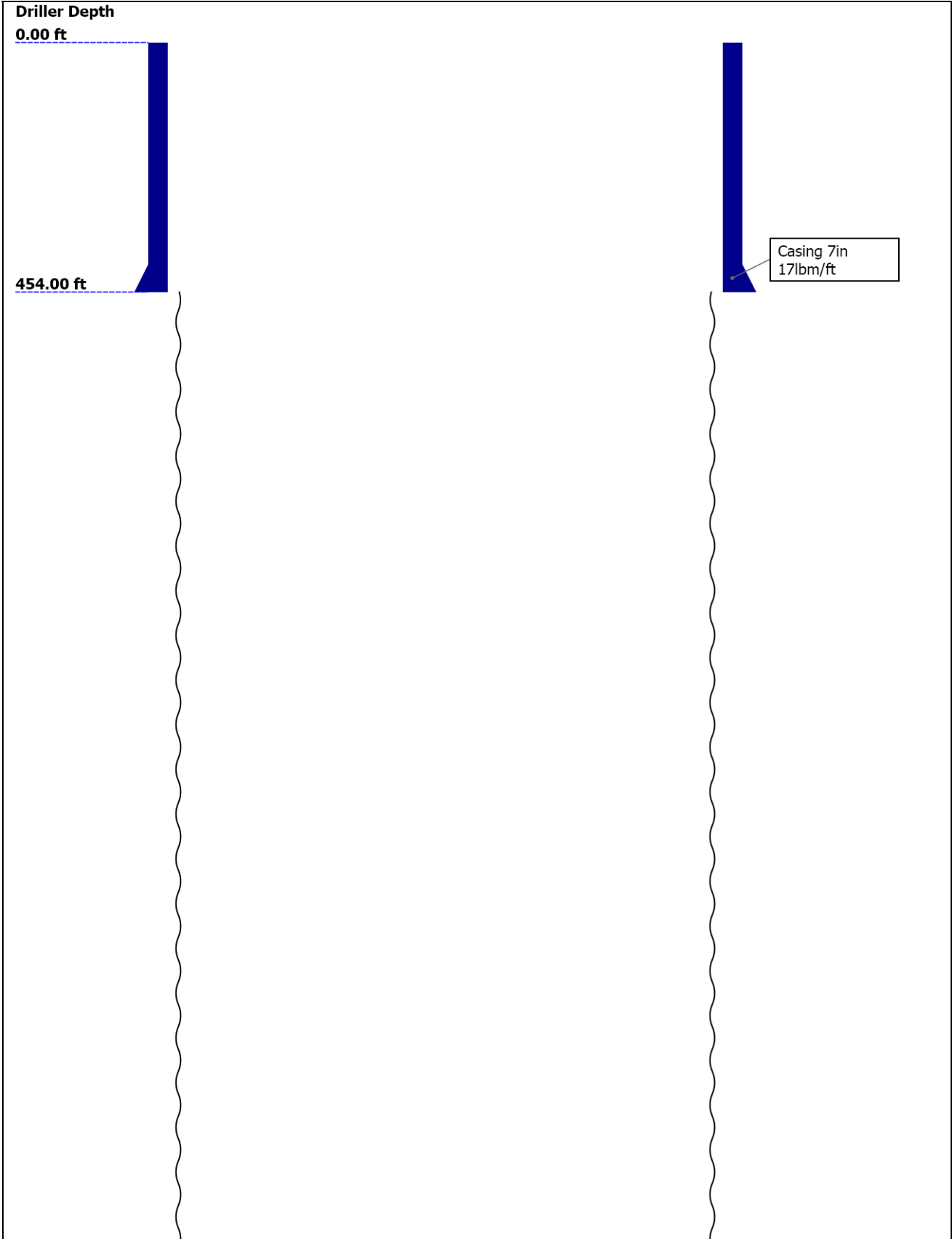
Disclaimer

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Contents

1. Header
2. Disclaimer
3. Contents
4. Well Sketch
5. Borehole Size/Casing/Tubing Record
6. Operational Run Summary
7. Remarks and Equipment Summary
8. Depth Summary
9. Survey Record
10. Tail

Well Sketch



2736.00 ft

Open Hole 6.25in

Borehole Size/Casing/Tubing Record

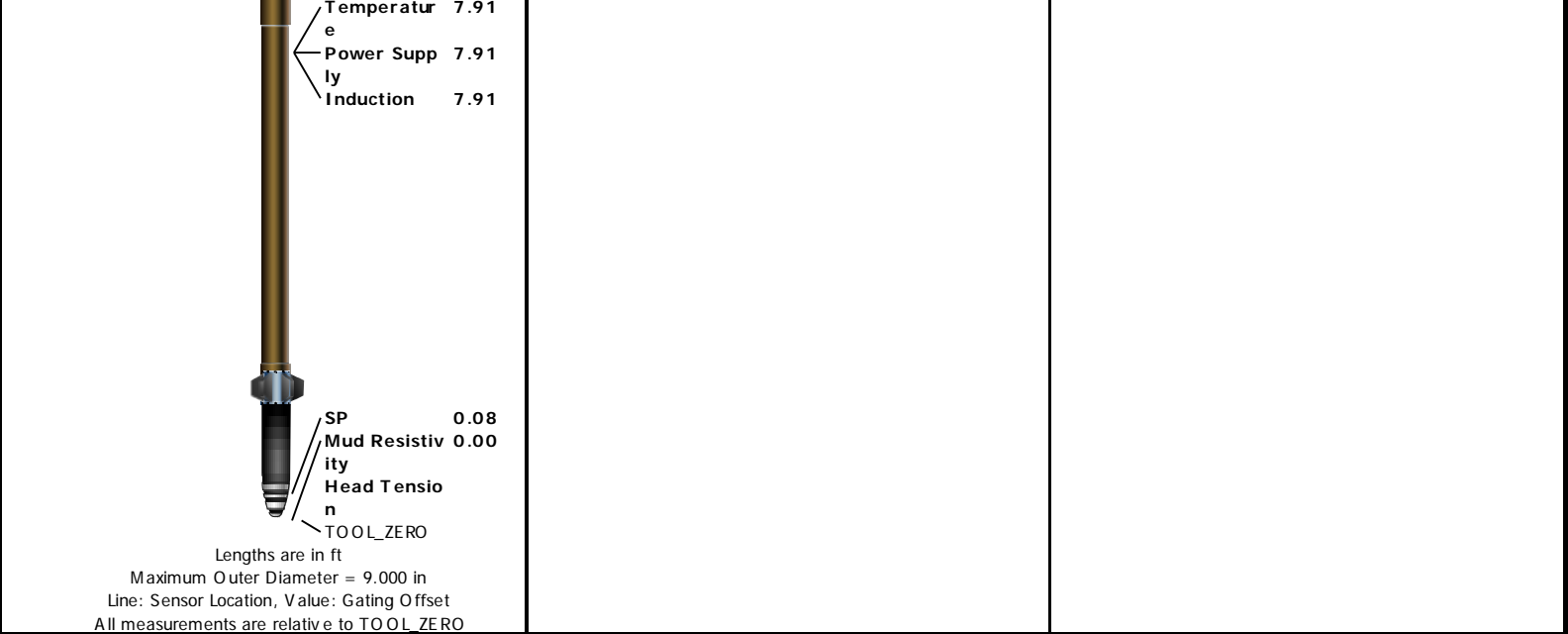
Bit						
Bit Size ( in )	6.25					
Top Driller ( ft )	454					
Top Logger ( ft )	473					
Bottom Driller ( ft )	2736					
Bottom Logger ( ft )	2732					
Casing						
Size ( in )	7					
Weight ( lbm/ft )	17					
Inner Diameter ( in )	6.54					
Top Driller ( ft )	0					
Top Logger ( ft )	0					
Bottom Driller ( ft )	454					
Bottom Logger ( ft )	473					

Operational Run Summary

Parameter ( unit )	Run 1					
Date Log Started	26-Jun-2013					
Time Log Started	23:59:39					
Date Log Finished	27-Jun-2013					
Time Log Finished	01:28:16					
Top Log Interval ( ft )	473.00					
Bottom Log Interval ( ft )	2732.00					
Total Depth ( ft )	2732.00					
Max Hole Deviation ( deg )	1.29					
Azimuth of Max Deviation ( deg )	166.66					
Bit Size ( in )	6.250					
Logging Unit Number	2154					
Logging Unit Location	Fort Morgan					
Recorded By	Arvin Shi					
Witnessed By	Paul Dekaye					
Service Order Number	C6VJ-00062					

# Remarks and Equipment Summary

Run 1: Toolstring		Run 1: Remarks	
<b>Equip name</b> LEH-QT LEH-QT	<b>Length</b> 55.57	<b>MP name</b>	<b>Offset</b>
<b>DTC-H</b> ECH-KC DTC-H	52.65	CTEM HV	51.75 0.00
<b>A daptor_Head</b>	49.65	TelStatus ToolStatus	49.65 49.65
<b>GPIT-F</b> GPIH-B DHRU-F GPIC-F	41.65	GPIT-F Incl inometer	40.23
<b>HGNS-H</b> HGNH NPV-N NSR-F:2554 HMCA-H HACCZ-H:6991 HGNS-H	37.65	GPIT Temperatur e GR	0.00 37.62 36.91
<b>HDRS-H</b> ECH-MEB HRCC-H HRMS-H GPV-Q Long Spacing:28 620 HRGD-H:3870 Short Spacing Backscatter GSR-J:5471	28.24	CNL Porosit y HGNS HMCA Accelerome ter HRCC	30.57 28.24 28.24 0.00 24.24
<b>AIT-H:392</b> AHIS:392 AHRM	16.00	MCFL Caliper TLD Density	18.81 18.33 17.94



## Depth Summary

Depth Control Parameters	Run 1		
Conveyance Type	Wireline		
Rig Type	Land		
Depth Measuring Device	Run 1		
Type	IDW-JA		
Serial Number	6122		
Calibration Date	19-Jun-2013		
Calibration Cable Type	7-46 P-LXS		
Wheel Correction 1	-2		
Wheel Correction 2	-3		
Tension Device	Run 1		
Type	CMTD-B/A		
Serial Number	1433		
Calibration Date	21-Jun-2013		
Calibration Points	10		
Calibration RMS	6		
Calibration Peak Error	9		
Logging Cable	Run 1		
Type	7-46NT-XS		
Logging Cable Length ( ft )	24000.00		

## Survey Record

Survey Calculation					
Method :		Minimum Radius of Curvature		DLS Method :	
North Reference :		True North		Lubinski	
				Total Correction Formula :	
				Magnetic Dec	
Rig Location					
Latitude :		40.425800 degrees		Longitude :	
				-102.35640 degrees	
Tie In Point					
Measured Depth:	454.00 ft	Inclination:	0.00 deg	Azimuth:	0.00 deg
True Vertical Depth:	454.00 ft	North Displacement:	-306.00 ft	East Displacement:	-630.00 ft

Survey Quality Index	
9 : Manual	28 : Tie-In Point

Survey Correction Index	
0 : No correction	

Survey Description Index	
0 : Not Flashed Survey	

Seq	MD (ft)	Incl (deg)	Azim (deg)	Course (ft)	TVD (ft)	V Sec (ft)	N/ -S (ft)	E/ -W (ft)	Closure (ft)	at Azim (deg)	DLS deg/100ft	Tool Type	QI	CI	DI
1	454.00	0.00	0.00	- - - -	454.00	-306.00	-306.00	-630.00	700.39	244.09	0.00	TIP	28	0	0
2	481.00	1.02	201.96	27.00	481.00	-306.22	-306.22	-630.09	700.56	244.08	3.77	GPIT-F	9	0	0
3	511.00	1.04	202.76	30.00	510.99	-306.72	-306.72	-630.29	700.95	244.05	0.10	GPIT-F	9	0	0
4	541.00	1.01	203.57	30.00	540.99	-307.22	-307.22	-630.51	701.38	244.02	0.11	GPIT-F	9	0	0
5	571.00	1.02	200.95	30.00	570.98	-307.71	-307.71	-630.71	701.77	243.99	0.16	GPIT-F	9	0	0
6	601.00	1.02	200.99	30.00	600.98	-308.21	-308.21	-630.90	702.17	243.96	0.01	GPIT-F	9	0	0
7	631.00	1.02	200.09	30.00	630.97	-308.71	-308.71	-631.09	702.56	243.93	0.06	GPIT-F	9	0	0
8	661.00	0.99	199.48	30.00	660.97	-309.20	-309.20	-631.26	702.92	243.90	0.10	GPIT-F	9	0	0
9	691.00	0.93	201.71	30.00	690.97	-309.67	-309.67	-631.44	703.28	243.88	0.22	GPIT-F	9	0	0
10	721.00	0.90	200.89	30.00	720.96	-310.12	-310.12	-631.62	703.64	243.85	0.11	GPIT-F	9	0	0
11	751.00	0.88	199.92	30.00	750.96	-310.56	-310.56	-631.78	703.97	243.82	0.10	GPIT-F	9	0	0
12	781.00	0.86	198.76	30.00	780.95	-310.98	-310.98	-631.93	704.30	243.80	0.08	GPIT-F	9	0	0
13	811.00	0.86	197.61	30.00	810.95	-311.41	-311.41	-632.07	704.63	243.77	0.06	GPIT-F	9	0	0
14	841.00	0.84	198.58	30.00	840.95	-311.84	-311.84	-632.21	704.92	243.75	0.08	GPIT-F	9	0	0
15	871.00	0.81	200.38	30.00	870.95	-312.24	-312.24	-632.35	705.25	243.72	0.15	GPIT-F	9	0	0
16	901.00	0.82	198.84	30.00	900.94	-312.64	-312.64	-632.49	705.54	243.70	0.09	GPIT-F	9	0	0
17	931.00	0.83	200.69	30.00	930.94	-313.05	-313.05	-632.64	705.87	243.67	0.09	GPIT-F	9	0	0
18	961.00	0.82	197.52	30.00	960.94	-313.46	-313.46	-632.78	706.17	243.65	0.15	GPIT-F	9	0	0
19	991.00	0.83	200.46	30.00	990.93	-313.87	-313.87	-632.92	706.46	243.62	0.15	GPIT-F	9	0	0
20	1021.00	0.84	202.42	30.00	1020.93	-314.27	-314.27	-633.08	706.79	243.60	0.10	GPIT-F	9	0	0
21	1051.00	0.91	203.76	30.00	1050.93	-314.70	-314.70	-633.26	707.15	243.58	0.26	GPIT-F	9	0	0
22	1081.00	0.95	202.57	30.00	1080.92	-315.14	-315.14	-633.45	707.51	243.55	0.13	GPIT-F	9	0	0
23	1111.00	0.91	203.77	30.00	1110.92	-315.59	-315.59	-633.64	707.87	243.52	0.15	GPIT-F	9	0	0
24	1141.00	0.90	201.22	30.00	1140.91	-316.03	-316.03	-633.83	708.23	243.50	0.14	GPIT-F	9	0	0
25	1171.00	0.97	196.67	30.00	1170.91	-316.49	-316.49	-633.99	708.60	243.47	0.33	GPIT-F	9	0	0
26	1201.00	0.92	208.49	30.00	1200.91	-316.95	-316.95	-634.17	708.96	243.44	0.67	GPIT-F	9	0	0
27	1231.00	0.89	201.76	30.00	1230.90	-317.38	-317.38	-634.37	709.35	243.42	0.37	GPIT-F	9	0	0
28	1261.00	0.89	203.85	30.00	1260.90	-317.81	-317.81	-634.55	709.68	243.40	0.11	GPIT-F	9	0	0
29	1291.00	0.86	204.36	30.00	1290.90	-318.22	-318.22	-634.74	710.04	243.37	0.10	GPIT-F	9	0	0
30	1321.00	0.91	194.41	30.00	1320.89	-318.66	-318.66	-634.89	710.37	243.35	0.53	GPIT-F	9	0	0
31	1351.00	0.92	197.12	30.00	1350.89	-319.12	-319.12	-635.02	710.70	243.32	0.15	GPIT-F	9	0	0
32	1381.00	0.89	196.66	30.00	1380.88	-319.58	-319.58	-635.16	711.02	243.29	0.11	GPIT-F	9	0	0
33	1411.00	0.88	198.51	30.00	1410.88	-320.02	-320.02	-635.30	711.35	243.26	0.10	GPIT-F	9	0	0
34	1441.00	0.85	205.18	30.00	1440.88	-320.44	-320.44	-635.47	711.68	243.24	0.35	GPIT-F	9	0	0
35	1471.00	0.90	205.46	30.00	1470.87	-320.85	-320.85	-635.67	712.04	243.22	0.16	GPIT-F	9	0	0
36	1501.00	0.86	195.93	30.00	1500.87	-321.28	-321.28	-635.83	712.40	243.19	0.50	GPIT-F	9	0	0
37	1531.00	0.82	209.95	30.00	1530.87	-321.68	-321.68	-636.00	712.73	243.17	0.70	GPIT-F	9	0	0
38	1561.00	0.82	200.87	30.00	1560.86	-322.07	-322.07	-636.18	713.06	243.15	0.43	GPIT-F	9	0	0
39	1591.00	0.84	208.59	30.00	1590.86	-322.46	-322.46	-636.36	713.39	243.13	0.38	GPIT-F	9	0	0
40	1621.00	0.96	199.82	30.00	1620.86	-322.89	-322.89	-636.55	713.78	243.10	0.60	GPIT-F	9	0	0
41	1651.00	0.91	207.19	30.00	1650.85	-323.34	-323.34	-636.75	714.14	243.08	0.44	GPIT-F	9	0	0
42	1681.00	0.96	208.00	30.00	1680.85	-323.77	-323.77	-636.97	714.53	243.06	0.18	GPIT-F	9	0	0
43	1711.00	0.97	208.21	30.00	1710.85	-324.22	-324.22	-637.21	714.96	243.03	0.04	GPIT-F	9	0	0
44	1741.00	1.00	202.41	30.00	1740.84	-324.69	-324.69	-637.43	715.35	243.01	0.35	GPIT-F	9	0	0
45	1771.00	0.99	210.44	30.00	1770.84	-325.15	-325.15	-637.66	715.78	242.98	0.47	GPIT-F	9	0	0
46	1801.00	0.93	207.84	30.00	1800.83	-325.59	-325.59	-637.91	716.21	242.96	0.24	GPIT-F	9	0	0
47	1831.00	1.02	204.67	30.00	1830.83	-326.05	-326.05	-638.13	716.60	242.94	0.36	GPIT-F	9	0	0
48	1861.00	1.05	204.92	30.00	1860.82	-326.54	-326.54	-638.36	717.03	242.91	0.10	GPIT-F	9	0	0
49	1891.00	1.07	203.68	30.00	1890.82	-327.05	-327.05	-638.59	717.45	242.88	0.11	GPIT-F	9	0	0
50	1921.00	1.01	203.44	30.00	1920.81	-327.55	-327.55	-638.81	717.88	242.85	0.21	GPIT-F	9	0	0
51	1951.00	1.02	202.85	30.00	1950.81	-328.04	-328.04	-639.02	718.31	242.83	0.05	GPIT-F	9	0	0
52	1981.00	0.96	203.07	30.00	1980.80	-328.51	-328.51	-639.22	718.70	242.80	0.21	GPIT-F	9	0	0

52	1981.00	0.96	203.07	30.00	1980.80	-328.51	-328.51	-639.22	718.70	242.80	0.21	GPIT-F	9	0	0
53	2011.00	0.93	201.32	30.00	2010.80	-328.97	-328.97	-639.41	719.06	242.77	0.13	GPIT-F	9	0	0
54	2041.00	0.95	197.28	30.00	2040.80	-329.44	-329.44	-639.57	719.42	242.75	0.23	GPIT-F	9	0	0
55	2071.00	1.02	187.95	30.00	2070.79	-329.94	-329.94	-639.68	719.75	242.72	0.57	GPIT-F	9	0	0
56	2101.00	1.17	179.67	30.00	2100.79	-330.51	-330.51	-639.71	720.05	242.68	0.74	GPIT-F	9	0	0
57	2131.00	1.27	167.88	30.00	2130.78	-331.14	-331.14	-639.64	720.28	242.63	0.90	GPIT-F	9	0	0
58	2161.00	1.29	166.66	30.00	2160.77	-331.79	-331.79	-639.49	720.44	242.58	0.11	GPIT-F	9	0	0
59	2191.00	1.22	163.24	30.00	2190.76	-332.43	-332.43	-639.33	720.57	242.53	0.35	GPIT-F	9	0	0
60	2221.00	1.15	157.13	30.00	2220.76	-333.01	-333.01	-639.12	720.67	242.48	0.48	GPIT-F	9	0	0
61	2251.00	1.15	152.59	30.00	2250.75	-333.56	-333.56	-638.86	720.70	242.43	0.30	GPIT-F	9	0	0
62	2281.00	1.14	148.54	30.00	2280.75	-334.08	-334.08	-638.57	720.67	242.38	0.27	GPIT-F	9	0	0
63	2311.00	1.17	148.16	30.00	2310.74	-334.59	-334.59	-638.25	720.64	242.33	0.11	GPIT-F	9	0	0
64	2341.00	1.08	144.29	30.00	2340.73	-335.08	-335.08	-637.92	720.57	242.29	0.38	GPIT-F	9	0	0
65	2371.00	1.03	143.07	30.00	2370.73	-335.53	-335.53	-637.60	720.51	242.24	0.21	GPIT-F	9	0	0
66	2401.00	1.03	141.00	30.00	2400.72	-335.95	-335.95	-637.26	720.41	242.20	0.13	GPIT-F	9	0	0
67	2431.00	1.00	139.51	30.00	2430.72	-336.36	-336.36	-636.92	720.28	242.16	0.14	GPIT-F	9	0	0
68	2461.00	0.99	136.08	30.00	2460.71	-336.75	-336.75	-636.57	720.14	242.12	0.21	GPIT-F	9	0	0
69	2491.00	0.96	132.24	30.00	2490.71	-337.10	-337.10	-636.21	720.01	242.08	0.23	GPIT-F	9	0	0
70	2521.00	0.97	133.62	30.00	2520.71	-337.45	-337.45	-635.84	719.85	242.04	0.09	GPIT-F	9	0	0
71	2551.00	1.08	131.97	30.00	2550.70	-337.81	-337.81	-635.44	719.65	242.00	0.36	GPIT-F	9	0	0
72	2581.00	1.02	125.06	30.00	2580.70	-338.16	-338.16	-635.01	719.42	241.96	0.47	GPIT-F	9	0	0
73	2611.00	1.06	130.77	30.00	2610.69	-338.49	-338.49	-634.59	719.23	241.92	0.37	GPIT-F	9	0	0
74	2641.00	0.99	131.06	30.00	2640.69	-338.84	-338.84	-634.18	719.03	241.88	0.23	GPIT-F	9	0	0
75	2671.00	0.99	132.78	30.00	2670.68	-339.18	-339.18	-633.80	718.86	241.85	0.10	GPIT-F	9	0	0
76	2701.00	0.88	147.03	30.00	2700.68	-339.55	-339.55	-633.48	718.73	241.81	0.85	GPIT-F	9	0	0

Company:

Omimex Petroleum, Inc

Well:

Bledsoe 13x-2-5-45

Field:

Ballyneal

County:

Yuma

State:

Colorado

Schlumberger

Directional Survey