

RECEIVED

JUN 12 2019

Schlumberger
DISTRICT II-ARTESIA O.C.D.

Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Well Reference:

15, 24S, 29E, Eddy NM
N 32.21389 W - 103.96511

I, Jody Bare certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of December 08, 2018 through February 11, 2019, conduct or supervise the taking of the SlimPulse & Third party corrected surveys from a depth of 613.00 feet to a depth of 16771.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of OXY USA INC for the Refried Beans CC 15 16 State Com 14H Well (Original Hole) API No. 30-015-45217 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By
Jody Bare
FE

R. E. Bare

Subscribed and Sworn to before me this 20th day of May (month) 2019 (yr)

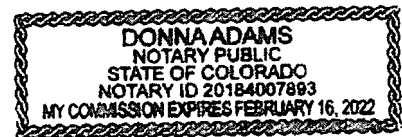
My Commission expires:

2-16-2022

D Adams
Notary Public

Adams County Colorado
(County State)

(signature)

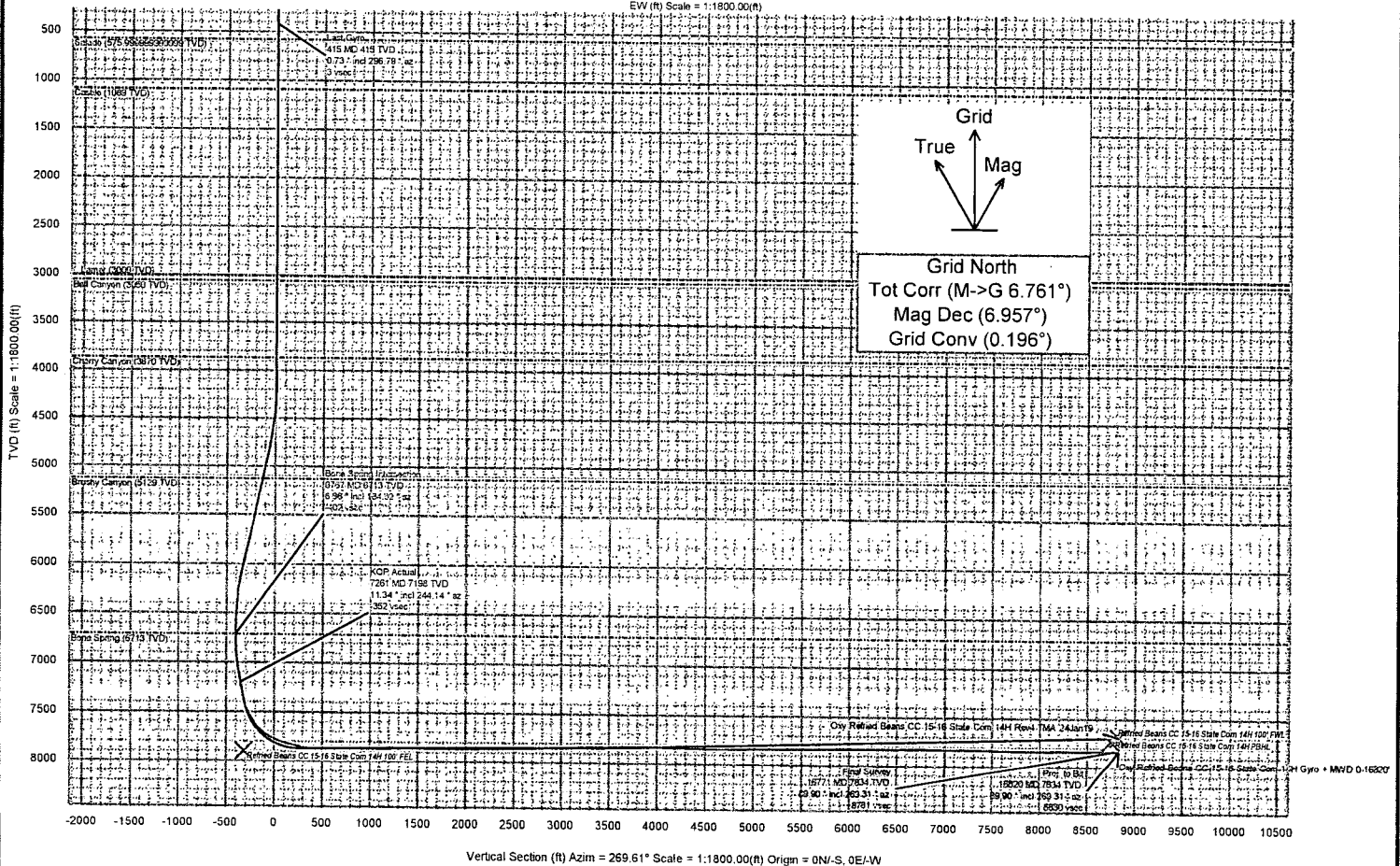
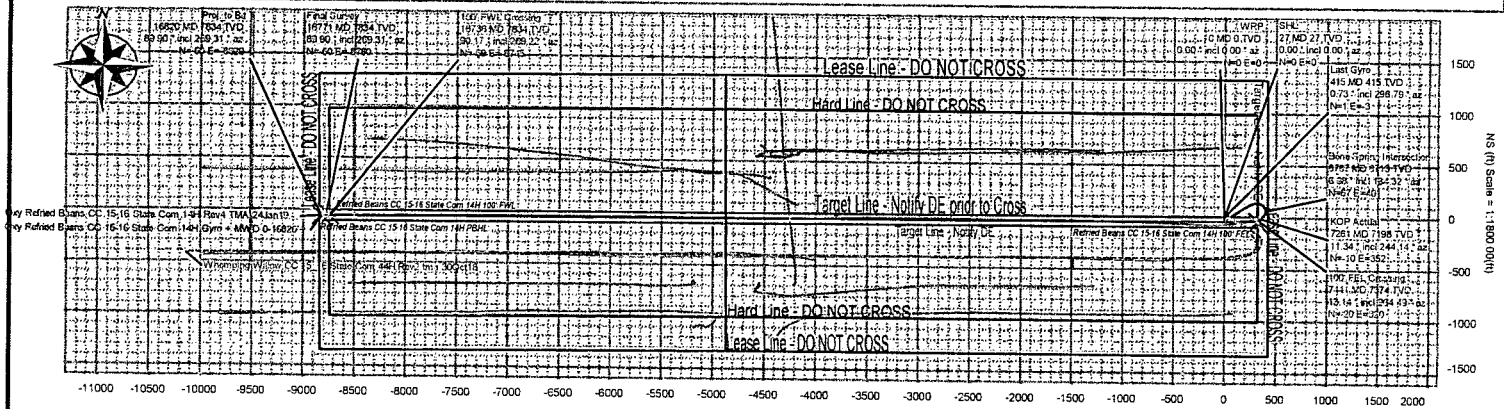


Schlumberger

Oxy



Borehole:		Well:		Field:		Structure:		
Original Borehole		Refried Beans CC 15-16 State Com 14H		NM Eddy County (NAD 83)		Oxy Refried Beans CC 15-16 State Com 14H		
Gravity & Magnetic Parameters				Surface Location		Miscellaneous		
Model: IFR1		Dip: 59.967°		Date: 04-Jan-2019		Slot: Beams CC 15-16		
MagDec: 6.957°		FS: 47949 6nT		Gravity FS: 998.47mg (9.80665 Based)		TVD Ref: RKB(2659.8ft above MSL)		
						Plan: Oxy Refried Beans CC 15-16 State Com 14H Gyro + MWD 0-16820'		
Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00
Last Gyro	415.00	0.73	296.79	414.98	3.38	0.60	-3.38	0.20
Bone Spring Intersection	6766.52	6.98	184.32	6713.00	-401.78	67.16	401.33	1.61
KOP Actual	7261.00	11.34	244.14	7197.97	-351.65	-10.00	351.73	4.62
100' FEL Crossing	7440.50	13.14	264.49	7374.38	-320.17	-19.91	320.31	9.94
100' FWL Crossing	16736.00	90.17	269.22	7833.83	8745.67	-59.27	-8745.47	0.81
Final Survey	16771.00	89.90	269.31	7833.81	8780.67	-59.71	-8780.47	0.81
Proj. to Bit	16820.00	89.90	269.31	7833.89	8829.67	-60.30	-8829.46	0.00



Oxy Refried Beans CC 15-16 State Com 14H Gyro + MWD 0-16820' Survey Geodetic Report (Def Survey)

Report Date: February 12, 2019 - 04:53 PM
Client: Oxy
Field: NM Eddy County (NAD 83)
Structure / Slot: Oxy Refried Beans CC 15-16 State Com 14H / Oxy Refried Beans CC 15-16 State Com 14H
Well: Refried Beans CC 15-16 State Com 14H
Borehole: Original Borehole
UWI / API#: Unknown / 30-015-45217
Survey Name: Oxy Refried Beans CC 15-16 State Com 14H Gyro + MWD 0-16820'
Survey Date: November 28, 2018
Tort / AHD / DDI / ERD Ratio: 231.744' / 9801.069 ft / 6.686 / 1.245
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 12' 50.01128", W 103° 57' 54.39207"
Location Grid N/E Y/X: N 441743.010 NUS, E 655217.240 NUS
CRS Grid Convergence Angle: 0.1963°
Grid Scale Factor: 0.99992394
Version / Patch: 2.10.753.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 269.608° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 2969.800 ft above MSL
Seabed / Ground Elevation: 2943.300 ft above MSL
Magnetic Declination: 6.957°
Total Gravity Field Strength: 998.4700mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47949.600 nT
Magnetic Dip Angle: 59.967°
Declination Date: January 04, 2019
Magnetic Declination Model: IFR1
North Reference: Grid North
Grid Convergence Used: 0.1963°
Total Corr Mag North->Grid: 6.7607°
North: Well Head
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
WRP SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	441743.01	655217.24	N 32 12 50.01	W 103 57 54.39
	26.50			26.50	0.00	0.00	0.00	0.00	441743.01	655217.24	N 32 12 50.01	W 103 57 54.39
	113.50	0.56	242.42	113.50	0.38	-0.20	-0.38	0.64	441742.81	655216.86	N 32 12 50.01	W 103 57 54.40
	171.50	0.57	282.06	171.50	0.91	-0.27	-0.91	0.66	441742.74	655216.33	N 32 12 50.01	W 103 57 54.40
	226.50	0.49	274.09	226.49	1.41	-0.19	-1.41	0.20	441742.82	655215.83	N 32 12 50.01	W 103 57 54.41
	289.50	0.71	297.09	289.49	2.03	0.00	-2.03	0.51	441743.01	655215.21	N 32 12 50.01	W 103 57 54.42
	352.50	0.63	290.14	352.49	2.70	0.30	-2.70	0.18	441743.31	655214.54	N 32 12 50.01	W 103 57 54.42
	415.00	0.73	296.79	414.98	3.38	0.60	-3.38	0.20	441743.61	655213.86	N 32 12 50.02	W 103 57 54.43
	613.00	0.09	34.09	612.98	4.41	1.30	-4.42	0.38	441744.31	655212.82	N 32 12 50.02	W 103 57 54.44
	677.00	0.03	223.09	676.98	4.39	1.32	-4.40	0.19	441744.33	655212.84	N 32 12 50.02	W 103 57 54.44
Last Gyro	738.00	0.10	55.45	737.98	4.36	1.34	-4.37	0.21	441744.35	655212.87	N 32 12 50.02	W 103 57 54.44
	892.00	0.07	224.29	891.98	4.31	1.35	-4.32	0.11	441744.36	655212.92	N 32 12 50.02	W 103 57 54.44
	984.00	0.07	319.91	983.98	4.39	1.35	-4.40	0.11	441744.36	655212.84	N 32 12 50.02	W 103 57 54.44
	1076.00	0.07	343.03	1075.98	4.44	1.45	-4.45	0.03	441744.46	655212.79	N 32 12 50.03	W 103 57 54.44
	1167.00	0.10	174.00	1166.98	4.45	1.43	-4.46	0.19	441744.44	655212.78	N 32 12 50.03	W 103 57 54.44
	1258.00	0.10	308.93	1257.98	4.50	1.40	-4.51	0.20	441744.41	655212.73	N 32 12 50.03	W 103 57 54.44
	1350.00	0.07	26.66	1349.98	4.54	1.50	-4.55	0.12	441744.51	655212.69	N 32 12 50.03	W 103 57 54.44
	1442.00	0.09	47.52	1441.98	4.46	1.60	-4.47	0.04	441744.61	655212.77	N 32 12 50.03	W 103 57 54.44
	1533.00	0.06	281.39	1532.98	4.45	1.65	-4.47	0.15	441744.66	655212.77	N 32 12 50.03	W 103 57 54.44
	1625.00	0.04	359.86	1624.98	4.50	1.70	-4.51	0.07	441744.71	655212.73	N 32 12 50.03	W 103 57 54.45
	1716.00	0.10	285.59	1715.98	4.58	1.75	-4.59	0.11	441744.76	655212.65	N 32 12 50.03	W 103 57 54.45
	1811.00	0.06	40.72	1810.98	4.62	1.81	-4.64	0.14	441744.82	655212.60	N 32 12 50.03	W 103 57 54.45
	1905.00	0.07	266.77	1904.98	4.65	1.84	-4.66	0.13	441744.85	655212.58	N 32 12 50.03	W 103 57 54.45
	2000.00	0.15	281.77	1999.98	4.83	1.86	-4.84	0.09	441744.87	655212.40	N 32 12 50.03	W 103 57 54.45
	2094.00	0.08	319.22	2093.98	4.99	1.94	-5.01	0.11	441744.95	655212.24	N 32 12 50.03	W 103 57 54.45
	2189.00	0.07	48.14	2188.98	4.99	2.03	-5.01	0.11	441745.04	655212.24	N 32 12 50.03	W 103 57 54.45
	2283.00	0.19	150.81	2282.97	4.87	1.93	-4.89	0.23	441744.94	655212.35	N 32 12 50.03	W 103 57 54.45
	2378.00	0.73	159.21	2377.97	4.59	1.23	-4.59	0.57	441744.24	655212.65	N 32 12 50.02	W 103 57 54.45
	2473.00	0.62	168.92	2472.96	4.28	0.16	-4.28	0.17	441743.17	655212.96	N 32 12 50.01	W 103 57 54.44
	2568.00	0.50	181.26	2567.96	4.20	-0.76	-4.19	0.18	441742.25	655213.05	N 32 12 50.00	W 103 57 54.44
	2662.00	0.85	191.77	2661.95	4.36	-1.85	-4.34	0.39	441741.16	655212.90	N 32 12 49.99	W 103 57 54.44
	2757.00	1.13	191.78	2756.94	4.70	-3.46	-4.68	0.29	441739.55	655212.56	N 32 12 49.98	W 103 57 54.45
	2851.00	0.92	193.56	2850.92	5.08	-5.10	-5.04	0.23	441737.91	655212.20	N 32 12 49.96	W 103 57 54.45
	2946.00	0.10	267.94	2945.92	5.35	-5.85	-5.31	0.95	441737.16	655211.93	N 32 12 49.95	W 103 57 54.45
	3041.00	0.10	95.84	3040.92	5.35	-5.86	-5.31	0.21	441737.15	655211.93	N 32 12 49.95	W 103 57 54.45
	3135.00	0.10	91.36	3134.92	5.18	-5.87	-5.14	0.01	441737.14	655212.10	N 32 12 49.95	W 103 57 54.45
	3229.00	0.07	302.37	3228.92	5.15	-5.84	-5.11	0.17	441737.17	655212.13	N 32 12 49.95	W 103 57 54.45
	3324.00	0.10	287.24	3323.92	5.28	-5.78	-5.24	0.04	441737.23	655212.00	N 32 12 49.95	W 103 57 54.45
	3418.00	0.10	269.23	3417.92	5.44	-5.76	-5.40	0.03	441737.25	655211.84	N 32 12 49.95	W 103 57 54.46
	3512.00	0.10	82.63	3511.92	5.44	-5.75	-5.40	0.21	441737.26	655211.84	N 32 12 49.95	W 103 57 54.46
	3606.00	0.10	150.42	3605.92	5.32	-5.81	-5.28	0.12	441737.20	655211.96	N 32 12 49.95	W 103 57 54.45
	3701.00	0.10	167.02	3700.92	5.26	-5.96	-5.22	0.03	441737.05	655212.02	N 32 12 49.95	W 103 57 54.45
	3796.00	0.11	144.74	3795.92	5.19	-6.12	-5.15	0.04	441736.89	655212.10	N 32 12 49.95	W 103 57 54.45
	3890.00	0.14	158.15	3889.92	5.09	-6.30	-5.05	0.04	441736.71	655212.19	N 32 12 49.95	W 103 57 54.45
	3984.00	2.29	204.44	3983.89	5.84	-8.12	-5.78	2.34	441734.89	655211.46	N 32 12 49.93	W 103 57 54.46
	4079.00	2.84	196.05	4078.80	7.30	-12.11	-7.22	0.70	441730.90	655210.02	N 32 12 49.89	W 103 57 54.48
	4173.00	1.89	174.82	4172.72	7.83	-15.89	-7.72	1.36	441727.12	655209.52	N 32 12 49.85	W 103 57 54.48
	4268.00	2.49	120.21	4267.66	5.93	-18.49	-5.80	2.19	441724.52	655211.44	N 32 12 49.83	W 103 57 54.46
	4363.00	3.71	86.61	4362.52	1.08	-19.34	-0.95	2.25	441723.67	655216.29	N 32 12 49.82	W 103 57 54.40
	4457.00	6.18	75.18	4456.17	-6.86	-17.87	6.98	2.82	441725.14	655224.22	N 32 12 49.83	W 103 57 54.31
	4552.00	8.15	68.26	4550.42	-18.08	-14.07	18.18	2.26	441728.94	655235.42	N 32 12 49.87	W 103 57 54.18
	4647.00	10.00	61.21	4644.23	-31.61	-7.60	31.67	2.27	441735.41	655248.90	N 32 12 49.94	W 103 57 54.02
	4741.00	11.72	58.55	4736.55	-46.97	1.31	46.96	1.91	441744.32	655264.20	N 32 12 50.02	W 103 57 53.85
	4836.00	13.13	57.47	4829.32	-64.38	12.15	64.29	1.50	441755.16	655281.53	N 32 12 50.13	W 103 57 53.64
	4930.00	14.39	57.69	4920.62	-83.33	24.13	83.17	1.34	441767.14	655300.40	N 32 12 50.25	W 103 57 53.42
	5120.00	15.00	56.80	5104.41	-124.04	50.22	123.70	0.34	441793.22	655340.93	N 32 12 50.50	W 103 57 52.95
	5214.00	15.00	57.66	5195.20	-144.58	63.39	144.15	0.24	441806.39	655361.38	N 32 12 50.63	W 103 57 52.71
	5309.00	14.70	58.02	5287.03	-165.28	76.35	164.76	0.33	441819.35	655381.99	N 32 12 50.76	W 103 57 52.47
	5403.00	14.72	56.74	5377.95	-185.47	89.21	184.87	0.35	441832.22	655402.09	N 32 12 50.89	W 103 57 52.24
	5498.00	14.56	57.84	5469.86	-205.76	102.19	205.07	0.34	441845.19	655422.29	N 32 12 51.02	W 103 57 52.00
	5592.00	14.01	61.15	5560.96	-225.81	113.97	225.04	1.05	441856.97	655442.26	N 32 12 51.13	W 103 57 51.77
	5687.00	14.27	65.85	5653.08	-246.64	124.31	245.79	1.24	441867.31	655463.01	N 32 12 51.23	W 103 57 51.53
	5786.00	14.20	79.21	5836.33	-290.77	138.18	289.83	1.73	441881.18	655507.05	N 32 12 51.37	W 103 57 51.01
	5970.00	13.30	86.95	5927.64	-312.91	140.91	311.96	2.18	441883.91	655529.17	N 32 12 51.40	W 103 57 50.76
	6065.00	12.49	101.00	6020.27	-333.91	139.54	332.96	3.40	441882.53	655550.17	N 32 12 51.38	W 103 57 50.51
	6159.00	11.90	115.69	6112.17	-352.58	133.39	351.68	3.35	441876.39	655568.89	N 32 12 51.32	W 103 57 50.29
	6254.00	10.60	123.99	6205.35	-368.59	124.26	367.75	2.18	441867.26	655584.96	N 32 12 51.23	W 103 57 50.11
	6348.00	9.19	134.52	6297.96	-381.04	114.16	380.27	2.43	441857.16	655597.48	N 32 12 51.13	W 103 57 49.96
	6443.00	8.10	144.50	6391.88	-390.27	103.39	389.57	1.95	441846.40	655606.78	N 32 12 51.02	W 103 57 49.85
	6537.00	7.26	148.60	6485.04	-397.13	92.93	396.51	1.07	441835.94	655613.72	N 32 12 50.92	W 103 57 49.77
	6599.00	6.74	163.93	6546.58	-400.14	86.09	399.56	3.12	441829.10	655616.76	N 32 12 50.85	W 103 57 49.74
	6631.00	6.76	167.61	6578.36	-401.03	82.45	400.48	1.35	441825.45	655617.69	N 32 12 50.81	W 103 57 49.73
	6694.00	6.17	176.92	6640.96	-401.96	75.45	401.46	1.91	441818.45	655618.67	N 32 12 50.74	W 103 57 49.72
	6766.52	6.98	184.32	6713.00	-401.78	67.16	401.33	1.61	441810.17	655618.54	N 32 12 50.66	W 103 57 49.72
	6788.00	7.24	186.18	6734.32	-401.52	64.51	401.09	1.61	441807.52	65561		

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
KOP Actual	6977.00	11.60	205.32	6920.74	-392.20	35.20	391.97	2.86	441778.20	655609.18	N 32 12 50.35	W 103 57 49.83
	7072.00	12.78	214.49	7013.60	-382.04	17.90	381.93	2.38	441760.91	655599.14	N 32 12 50.18	W 103 57 49.95
	7166.00	13.48	226.19	7105.16	-368.14	1.74	368.13	2.92	441744.75	655585.35	N 32 12 50.02	W 103 57 50.11
	7261.00	11.34	244.14	7197.97	-351.65	-10.00	351.73	4.62	441733.01	655568.94	N 32 12 49.90	W 103 57 50.30
	7335.00	10.37	252.02	7270.65	-338.74	-15.23	338.85	2.39	441727.78	655556.06	N 32 12 49.85	W 103 57 50.45
	7398.00	9.48	253.54	7332.71	-328.35	-18.45	328.48	1.47	441724.56	655545.69	N 32 12 49.82	W 103 57 50.57
	7440.50	13.14	264.49	7374.38	-320.17	-19.91	320.31	9.94	441723.10	655537.53	N 32 12 49.80	W 103 57 50.66
100' FEL Crossing	7493.00	18.00	271.67	7424.94	-306.11	-20.24	306.25	9.94	441722.77	655523.47	N 32 12 49.80	W 103 57 50.83
	7587.00	26.10	264.23	7512.01	-270.94	-21.90	271.10	9.10	441721.11	655488.32	N 32 12 49.79	W 103 57 51.24
	7682.00	35.79	257.04	7593.42	-222.89	-30.26	223.11	10.90	441712.76	655440.33	N 32 12 49.70	W 103 57 51.80
	7777.00	45.53	259.43	7665.40	-162.27	-42.74	162.56	10.38	441700.28	655379.79	N 32 12 49.58	W 103 57 52.50
	7871.00	55.54	261.64	7725.08	-90.69	-54.55	91.06	10.80	441688.46	655308.30	N 32 12 49.47	W 103 57 53.33
7966.00	64.72	266.58	7772.36	-8.80	-62.83	9.23	10.66	441680.18	655226.47	N 32 12 49.39	W 103 57 54.29	
8061.00	74.82	267.29	7805.17	80.13	-67.57	-79.67	10.65	441675.44	655137.58	N 32 12 49.35	W 103 57 55.32	
8155.00	75.10	271.92	7829.58	170.88	-68.20	-170.42	4.77	441674.82	655046.83	N 32 12 49.34	W 103 57 55.38	
8250.00	77.78	271.30	7851.85	263.17	-65.60	-262.73	2.89	441677.41	654954.54	N 32 12 49.37	W 103 57 55.45	
8345.00	84.58	272.44	7866.41	356.91	-62.53	-356.50	7.26	441680.48	654860.77	N 32 12 49.40	W 103 57 58.54	
8440.00	90.60	272.49	7870.40	451.67	-58.45	-451.28	6.34	441684.56	654766.00	N 32 12 49.45	W 103 57 59.65	
8519.00	90.41	272.73	7869.70	530.56	-54.86	-530.19	0.39	441688.16	654687.09	N 32 12 49.49	W 103 58 0.57	
8612.00	90.34	272.73	7869.10	623.42	-50.43	-623.09	0.08	441692.59	654594.20	N 32 12 49.53	W 103 58 1.65	
8706.00	90.44	270.72	7868.46	717.35	-47.60	-717.04	2.14	441695.42	654500.26	N 32 12 49.56	W 103 58 2.74	
8799.00	90.41	270.31	7867.77	810.33	-46.76	-810.03	0.44	441696.25	654407.27	N 32 12 49.58	W 103 58 3.82	
8892.00	89.76	270.08	7867.63	903.33	-46.45	-903.03	0.74	441696.57	654314.28	N 32 12 49.58	W 103 58 4.90	
8986.00	90.17	270.12	7867.69	997.32	-46.28	-997.03	0.44	441696.73	654220.29	N 32 12 49.59	W 103 58 6.00	
9079.00	90.10	270.23	7867.47	1090.32	-46.00	-1090.03	0.14	441697.02	654127.30	N 32 12 49.59	W 103 58 7.08	
9265.00	91.96	271.27	7864.12	1276.24	-43.56	-1275.97	1.15	441699.45	653941.37	N 32 12 49.62	W 103 58 9.26	
9358.00	91.86	272.02	7861.02	1369.13	-40.90	-1368.88	0.81	441702.12	653848.47	N 32 12 49.65	W 103 58 10.33	
9452.00	89.79	269.81	7859.67	1463.08	-39.40	-1462.85	3.22	441703.62	653754.51	N 32 12 49.67	W 103 58 11.42	
9545.00	89.79	270.26	7860.01	1556.08	-39.34	-1555.85	0.48	441703.67	653661.51	N 32 12 49.67	W 103 58 12.50	
9638.00	89.86	269.82	7860.29	1649.08	-39.27	-1648.85	0.48	441703.74	653568.52	N 32 12 49.68	W 103 58 13.59	
9733.00	88.97	269.76	7861.26	1744.07	-39.62	-1743.84	0.94	441703.39	653473.54	N 32 12 49.68	W 103 58 14.69	
9828.00	89.69	269.74	7862.38	1839.06	-40.04	-1838.83	0.76	441702.98	653378.55	N 32 12 49.68	W 103 58 15.80	
9923.00	90.69	269.88	7862.06	1934.06	-40.35	-1933.83	1.06	441702.66	653283.56	N 32 12 49.68	W 103 58 16.90	
10017.00	90.62	269.75	7860.99	2028.05	-40.65	-2027.82	0.16	441702.36	653189.57	N 32 12 49.68	W 103 58 18.00	
10112.00	90.72	270.17	7859.87	2123.05	-40.72	-2122.82	0.45	441702.29	653094.59	N 32 12 49.68	W 103 58 19.10	
10211.00	90.96	270.58	7858.42	2222.03	-40.07	-2221.80	0.48	441702.94	652995.61	N 32 12 49.69	W 103 58 20.25	
10306.00	90.89	270.57	7858.89	2317.00	-39.12	-2316.79	0.07	441703.89	652900.63	N 32 12 49.70	W 103 58 21.36	
10401.00	91.03	270.70	7855.30	2411.97	-38.07	-2411.77	0.20	441704.95	652805.66	N 32 12 49.72	W 103 58 22.46	
10495.00	90.65	270.73	7853.92	2505.94	-36.89	-2505.75	0.41	441706.12	652711.69	N 32 12 49.73	W 103 58 23.56	
10590.00	90.79	270.73	7852.73	2600.92	-35.68	-2600.73	0.15	441707.33	652616.71	N 32 12 49.75	W 103 58 24.66	
10685.00	91.62	270.20	7850.73	2695.89	-34.91	-2695.71	1.04	441708.10	652521.74	N 32 12 49.76	W 103 58 25.77	
10779.00	91.68	270.20	7848.02	2789.84	-34.59	-2789.67	0.06	441708.43	652427.79	N 32 12 49.76	W 103 58 26.86	
10874.00	92.03	270.82	7844.95	2884.78	-33.74	-2884.62	0.75	441709.27	652332.85	N 32 12 49.77	W 103 58 27.97	
10967.00	91.48	270.35	7842.10	2977.72	-32.79	-2977.57	0.78	441710.22	652239.91	N 32 12 49.79	W 103 58 29.05	
11062.00	91.96	270.11	7839.25	3072.67	-32.41	-3072.52	0.56	441710.60	652144.96	N 32 12 49.79	W 103 58 30.16	
11157.00	92.13	270.30	7835.86	3167.61	-32.07	-3167.46	0.27	441710.94	652050.03	N 32 12 49.80	W 103 58 31.26	
11252.00	91.62	270.13	7832.75	3262.55	-31.71	-3262.41	0.57	441711.30	651955.09	N 32 12 49.81	W 103 58 32.37	
11347.00	89.72	268.68	7831.64	3357.54	-32.70	-3357.39	2.52	441710.31	651860.11	N 32 12 49.80	W 103 58 33.47	
11442.00	90.79	268.57	7831.22	3452.52	-34.98	-3452.36	1.13	441708.03	651765.15	N 32 12 49.78	W 103 58 34.58	
11536.00	92.34	268.96	7828.65	3546.47	-37.01	-3546.30	1.70	441706.01	651671.22	N 32 12 49.76	W 103 58 35.67	
11631.00	90.58	268.06	7826.23	3641.42	-39.47	-3641.23	2.08	441703.54	651576.29	N 32 12 49.74	W 103 58 36.78	
11726.00	90.14	268.43	7825.63	3736.39	-42.38	-3736.19	0.61	441700.63	651481.34	N 32 12 49.72	W 103 58 37.88	
11820.00	90.96	268.59	7824.73	3830.37	-44.83	-3830.15	0.89	441698.19	651387.39	N 32 12 49.70	W 103 58 38.97	
11915.00	88.66	269.23	7825.04	3925.35	-46.64	-3925.13	2.51	441696.38	651292.42	N 32 12 49.68	W 103 58 40.08	
11997.00	87.72	269.63	7827.63	4007.31	-47.45	-4007.08	1.25	441695.56	651210.47	N 32 12 49.68	W 103 58 41.03	
12092.00	89.03	269.82	7830.33	4102.27	-47.91	-4102.04	1.39	441695.11	651115.52	N 32 12 49.67	W 103 58 42.14	
12187.00	89.45	270.01	7831.59	4197.26	-48.05	-4197.03	0.49	441694.97	651020.54	N 32 12 49.68	W 103 58 43.24	
12281.00	89.31	270.06	7832.60	4291.25	-47.99	-4291.02	0.16	441695.02	650926.55	N 32 12 49.68	W 103 58 44.34	
12376.00	89.41	270.05	7833.67	4386.24	-47.90	-4386.02	0.11	441695.11	650831.56	N 32 12 49.68	W 103 58 45.44	
12471.00	89.00	270.10	7834.98	4481.23	-47.77	-4481.01	0.43	441695.24	650736.58	N 32 12 49.69	W 103 58 46.55	
12565.00	89.17	269.85	7835.46	4575.22	-47.82	-4575.00	0.32	441695.20	650642.60	N 32 12 49.69	W 103 58 47.64	
12660.00	90.20	269.77	7837.01	4670.21	-48.13	-4670.09	1.09	441694.88	650547.61	N 32 12 49.69	W 103 58 48.75	
12755.00	89.96	270.17	7836.87	4765.21	-48.18	-4764.99	0.49	441694.83	650452.62	N 32 12 49.69	W 103 58 49.86	
12849.00	90.48	270.38	7836.51	4859.20	-47.73	-4858.99	0.80	441695.28	650358.63	N 32 12 49.70	W 103 58 50.95	
12944.00	90.86	270.32	7835.40	4954.19	-47.15	-4953.98	0.40	441695.86	650263.64	N 32 12 49.71	W 103 58 52.05	
13039.00	89.62	269.93	7835.00	5049.18	-46.94	-5048.98	1.37	441696.07	650168.66	N 32 12 49.71	W 103 58 53.16	
13134.00	</											

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
----------	------------	-------------	------------------	-------------	--------------	------------	------------	------------------	--------------------	-------------------	-------------------------	--------------------------

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	1/98.425	30.000	30.000 NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Refried Beans CC 15-16 State Com 14H Gyro + MWD 0-16820'
	1	26.500	26.500	Act Stns	30.000	30.000 NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Refried Beans CC 15-16 State Com 14H Gyro + MWD 0-16820'
	1	26.500	415.000	Act Stns	30.000	30.000 NAL_NSG+MSHOT	Original Borehole / Oxy Refried Beans CC 15-16 State Com 14H
	1	415.000	6537.000	Act Stns	30.000	30.000 NAL_MWD_PLUS_0.5_DEG	Original Borehole / Oxy Refried Beans CC 15-16 State Com 14H
	1	6537.000	10112.000	Act Stns	30.000	30.000 NAL_MWD_IFR1+MS	Original Borehole / Oxy Refried Beans CC 15-16 State Com 14H
	1	10112.000	10874.000	Act Stns	30.000	30.000 NAL_MWD_PLUS_0.5_DEG	Original Borehole / Oxy Refried Beans CC 15-16 State Com 14H
	1	10874.000	16820.000	Act Stns	30.000	30.000 NAL_MWD_IFR1+MS	Original Borehole / Oxy Refried Beans CC 15-16 State Com 14H

...Original Borehole\Oxy Refried Beans CC 15-16 State Com 14H Gyro + MWD 0-16820'