

Oilfield Services, Central U.S. Land
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)

Schlumberger

April 30, 2019

OXY USA INC.

Re:

15, 24S, 29E, Eddy NM
32.21822 103.96465

CLIENT: OXY USA INC.
WELL: Refried Beans CC 15-16 State Com 13H
FIELD: Pierce Crossing; Bone Spring East

RIG: H&P 617
COUNTY: Eddy
API NO: 30-015-45216
JOB NO: 19MLH0192

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).

Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Chris Heimann FE	Refried Beans CC 15- 16 State Com 13H Original Hole	552.00 Ft to 16327.00 Ft	April 12, 2019 to April 25, 2019	SlimPulse Third Party Corrected

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Andrew Salomon
Field Service Manager

Oilfield Services, Central U.S. Land
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)

Schlumberger

Well Reference:
15, 24S, 29E, Eddy NM
32.21822 103.96465

I, Chris Heimann certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of April 12, 2019 through April 25, 2019, conduct or supervise the taking of the SlimPulse & Third Party Corrected surveys from a depth of 552.00 feet to a depth of 16327.00 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 13H Well (Original Hole) API No. 30-015-45216 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
Chris Heimann
FE



Subscribed and Sworn to before me this 30th day of April (month) 2019 (yr)

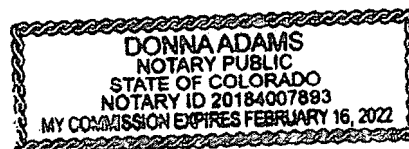
My Commission expires:

2-16-2022

Donna Adams
Notary Public

(signature)

Adams County Colorado
(County State)

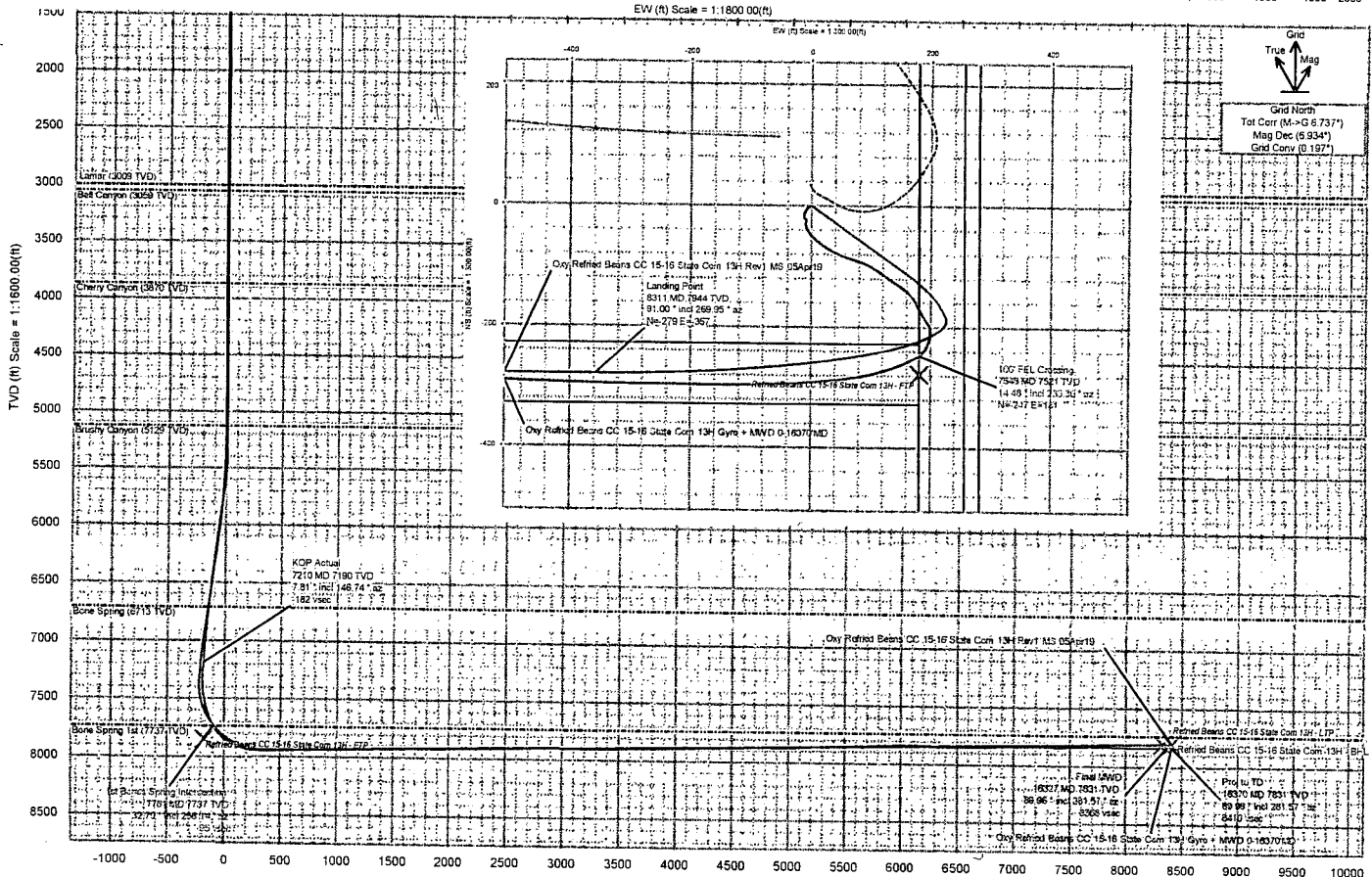
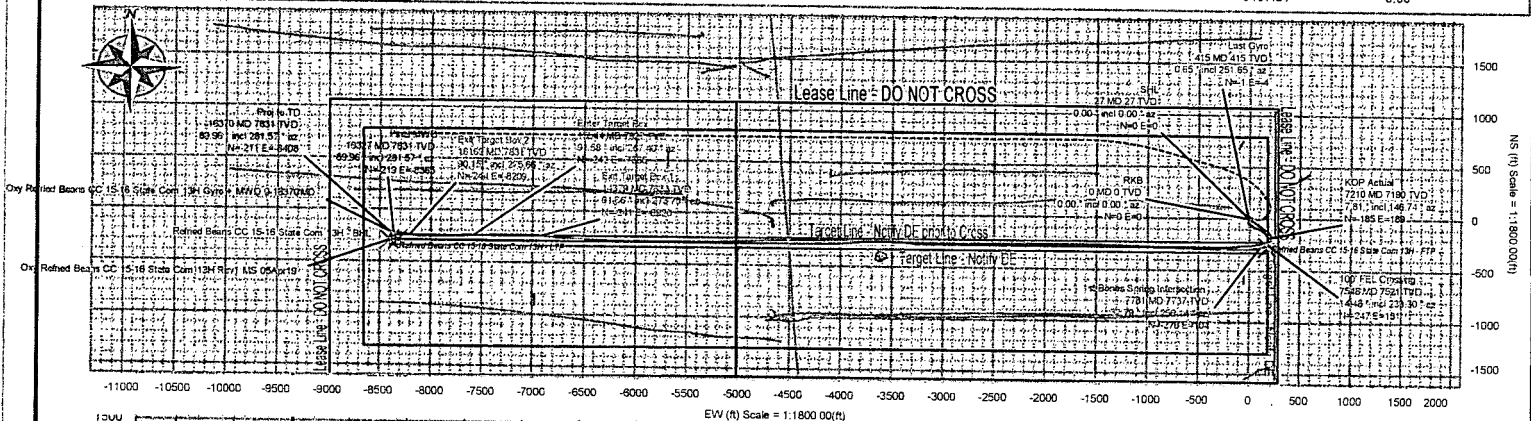


Schlumberger

OXY



Borehole:		Well:		Field:		Structure:		
Original Borehole		Oxy Refried Beans CC 15-16 State Com 13H		NM Eddy County (NAD 83)		Oxy Refried Beans CC 15-16 State Com 13H		
Gravity & Magnetic Parameters				Surface Location		Miscellaneous		
Model:	IFR1	Dip:	59.964°	Date:	10-Apr-2019	Beams CC 15-16		
MagDec:	6.934°	FS:	47922.8nT	Gravity FS:	998.471mgal (9.80665 Based)	TVD Ref: RKB=26.5ft(2955.3ft above MSL)		
				Lat:	N 32 13 5.82	Northing: 44320.61MUS		
				Lon:	W 103 57 52.77	Easting: 655351.09MUS		
				Grid Conv: 0.1996°		Scale Fact: 0.99992398		
				Plan: Oxy Refried Beans CC 15-16 State Com 13H		Oxy Refried Beans CC 15-16 State Com 13H Gyro + MWD 0-18370MD		
Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)S(-)	E(+)W(-)	DLS
RKB	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	0.65	251.65	414.98	3.62	-1.50	-3.57	0.12
KOP Actual	7210.00	7.81	146.74	7190.35	-182.45	-184.74	189.01	0.53
100' FEL Crossing	7548.00	14.48	233.30	7520.62	-172.11	-246.80	180.84	8.71
1st Bones Spring Intersection	7780.58	32.79	256.14	7737.00	-94.53	-276.50	104.25	16.59
Exit Target Box 1	14879.00	91.86	273.75	7833.38	6924.56	-241.07	-6920.36	2.77
Enter Target Box	15544.00	91.58	267.40	7826.66	7588.81	-242.41	-7584.98	2.15
Exit Target Box 2	16169.00	90.15	275.66	7831.45	8212.87	-243.68	-8209.37	4.43
Final MWD	16327.00	89.96	281.57	7830.85	8367.94	-219.21	-8365.39	2.94
Proj to TD	16370.00	89.96	281.57	7830.88	8409.74	-210.58	-8407.51	0.00



Vertical Section (ft) Azim = 268.00° Scale = 1:1600.00(ft) Origin = 0N-S, 0E-W

Oxy Refried Beans CC 15-16 State Com 13H Gyro + MWD 0-16370'MD

Survey Geodetic Report

(Def Survey)



Report Date: April 26, 2019 - 09:32 AM Client: OXY Field: NM Eddy County (NAD 83) Structure / Slot: Oxy Refried Beans CC 15-16 State Com 13H / Oxy Refried Beans CC 15-16 State Com 13H Well: Oxy Refried Beans CC 15-16 State Com 13H Borehole: Original Borehole UWI / API#: Unknown / 30-015-45216 Survey Name: Oxy Refried Beans CC 15-16 State Com 13H Gyro + MWD 0-16370'MD Survey Date: February 28, 2019 Tort / AHD / DDI / ERD Ratio: 259.755' / 8976.516 ft / 6.681' / 1.129 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet Location Lat / Long: N 32° 13' 5.61837", W 103° 57' 52.77103" Location Grid N/E Y/X: N 443320.600 RUS, E 655351.090 RUS CRS Grid Convergence Angle: 0.1966° Grid Scale Factor: 0.99992398 Version / Patch: 2.10.753.0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 287.999° (Grid North) Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB=26.5ft TVD Reference Elevation: 2965.300 ft above MSL Seabed / Ground Elevation: 2938.800 ft above MSL Magnetic Declination: 6.934° Total Gravity Field Strength: 998.4710mgN (9.80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 47922.900 nT Magnetic Dip Angle: 59.964° Declination Date: April 10, 2019 Magnetic Declination Model: IFR1 North Reference: Grid North Grid Convergence Used: 0.1966° Total Corr Mag North->Grid North: 6.7374° Local Coord Referenced To: Well Head	
--	---	--

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ° ')	Longitude (E/W ° ° ')
RKB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	443320.60	655351.09	N 32 13 5.62	W 103 57 52.77
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	443320.60	655351.09	N 32 13 5.62	W 103 57 52.77
	113.50	0.48	247.48	113.50	0.34	-0.14	-0.34	0.55	443320.46	655350.75	N 32 13 5.62	W 103 57 52.77
	171.50	0.70	225.56	171.50	0.83	-0.48	-0.81	0.54	443320.12	655350.28	N 32 13 5.61	W 103 57 52.78
	226.50	0.72	253.91	226.49	1.41	-0.81	-1.39	0.63	443319.79	655349.70	N 32 13 5.61	W 103 57 52.79
	289.50	0.74	258.66	289.49	2.20	-1.00	-2.17	0.10	443319.60	655348.93	N 32 13 5.61	W 103 57 52.80
	352.50	0.67	245.48	352.48	2.94	-1.23	-2.90	0.28	443319.37	655348.19	N 32 13 5.61	W 103 57 52.80
	415.00	0.65	251.65	414.98	3.62	-1.50	-3.57	0.12	443319.10	655347.52	N 32 13 5.60	W 103 57 52.81
	552.00	0.35	244.40	551.97	4.75	-1.92	-4.68	0.22	443318.68	655346.41	N 32 13 5.60	W 103 57 52.83
	645.00	2.22	232.01	644.95	6.47	-3.15	-6.36	2.02	443317.45	655344.73	N 32 13 5.59	W 103 57 52.85
	739.00	6.31	208.76	738.67	10.58	-8.81	-10.28	4.64	443311.79	655340.81	N 32 13 5.53	W 103 57 52.89
	830.00	4.76	181.51	829.26	13.37	-16.97	-12.79	3.31	443303.63	655338.30	N 32 13 5.45	W 103 57 52.92
	921.00	1.41	101.27	920.14	12.51	-20.96	-11.79	5.20	443299.64	655339.30	N 32 13 5.41	W 103 57 52.91
	1012.00	0.14	234.65	1011.13	11.52	-21.25	-10.78	1.66	443299.36	655340.31	N 32 13 5.41	W 103 57 52.90
	1103.00	0.15	127.77	1102.13	11.52	-21.38	-10.78	0.26	443299.22	655340.31	N 32 13 5.41	W 103 57 52.90
	1195.00	0.12	83.74	1194.13	11.33	-21.45	-10.59	0.11	443299.16	655340.50	N 32 13 5.41	W 103 57 52.90
	1284.00	0.14	158.93	1283.13	11.20	-21.54	-10.45	0.18	443299.06	655340.64	N 32 13 5.41	W 103 57 52.89
	1375.00	0.17	220.75	1374.13	11.26	-21.74	-10.50	0.18	443298.86	655340.59	N 32 13 5.40	W 103 57 52.89
	1466.00	0.12	35.65	1465.13	11.29	-21.77	-10.54	0.32	443298.83	655340.56	N 32 13 5.40	W 103 57 52.89
	1557.00	0.10	262.72	1556.13	11.31	-21.70	-10.56	0.22	443298.90	655340.53	N 32 13 5.40	W 103 57 52.89
	1647.00	0.10	244.44	1646.13	11.46	-21.74	-10.71	0.04	443298.86	655340.38	N 32 13 5.40	W 103 57 52.90
	1829.00	0.10	149.71	1828.13	11.53	-21.95	-10.77	0.08	443298.65	655340.32	N 32 13 5.40	W 103 57 52.90
	1921.00	0.10	162.43	1920.13	11.47	-22.10	-10.71	0.02	443298.51	655340.39	N 32 13 5.40	W 103 57 52.90
	2013.00	0.14	4.38	2012.13	11.44	-22.06	-10.67	0.26	443298.54	655340.42	N 32 13 5.40	W 103 57 52.90
	2103.00	0.11	358.55	2102.13	11.42	-21.86	-10.67	0.04	443298.74	655340.42	N 32 13 5.40	W 103 57 52.90
	2198.00	0.11	115.20	2197.13	11.34	-21.81	-10.59	0.20	443298.79	655340.50	N 32 13 5.40	W 103 57 52.90
	2293.00	0.05	300.69	2292.13	11.30	-21.83	-10.54	0.17	443298.77	655340.55	N 32 13 5.40	W 103 57 52.90
	2388.00	0.23	77.13	2387.13	11.14	-21.77	-10.39	0.28	443298.84	655340.70	N 32 13 5.40	W 103 57 52.89
	2482.00	0.14	287.70	2481.13	11.07	-21.69	-10.31	0.38	443298.91	655340.78	N 32 13 5.40	W 103 57 52.89
	2577.00	0.12	78.32	2576.13	11.08	-21.63	-10.33	0.26	443298.97	655340.76	N 32 13 5.40	W 103 57 52.89
	2671.00	0.20	121.11	2670.13	10.84	-21.70	-10.09	0.15	443298.90	655341.00	N 32 13 5.40	W 103 57 52.89
	2766.00	0.20	97.53	2765.13	10.54	-21.81	-9.78	0.09	443298.80	655341.31	N 32 13 5.40	W 103 57 52.89
	2861.00	0.18	11.78	2860.13	10.34	-21.68	-9.59	0.27	443298.92	655341.50	N 32 13 5.40	W 103 57 52.88
	2956.00	0.12	208.93	2955.13	10.36	-21.62	-9.61	0.31	443298.98	655341.48	N 32 13 5.40	W 103 57 52.88
	3050.00	0.14	271.42	3049.13	10.52	-21.71	-9.77	0.14	443298.90	655341.32	N 32 13 5.40	W 103 57 52.89
	3240.00	0.10	70.88	3239.13	10.60	-21.65	-9.85	0.12	443298.96	655341.25	N 32 13 5.40	W 103 57 52.89
	3334.00	0.10	227.21	3333.13	10.58	-21.67	-9.83	0.21	443298.93	655341.26	N 32 13 5.40	W 103 57 52.89
	3429.00	0.11	359.14	3428.13	10.64	-21.64	-9.89	0.20	443298.96	655341.20	N 32 13 5.40	W 103 57 52.89
	3523.00	0.11	92.76	3522.13	10.55	-21.55	-9.80	0.17	443299.05	655341.29	N 32 13 5.41	W 103 57 52.89
	3618.00	0.14	209.02	3617.13	10.52	-21.66	-9.77	0.22	443298.94	655341.32	N 32 13 5.40	W 103 57 52.89
	3713.00	0.12	123.35	3712.13	10.50	-21.82	-9.74	0.19	443298.79	655341.35	N 32 13 5.40	W 103 57 52.89
	3807.00	0.10	118.37	3806.13	10.35	-21.91	-9.59	0.02	443298.69	655341.50	N 32 13 5.40	W 103 57 52.88
	3902.00	0.11	131.44	3901.13	10.21	-22.01	-9.44	0.03	443298.59	655341.65	N 32 13 5.40	W 103 57 52.88
	3996.00	0.11	135.44	3995.13	10.08	-22.13	-9.31	0.01	443298.47	655341.78	N 32 13 5.40	W 103 57 52.88
	4091.00	0.14	297.49	4090.13	10.12	-22.14	-9.35	0.26	443298.46	655341.74	N 32 13 5.40	W 103 57 52.88
	4185.00	0.12	25.75	4184.13	10.17	-22.00	-9.41	0.19	443298.60	655341.68	N 32 13 5.40	W 103 57 52.88
	4280.00	0.17	252.52	4279.13	10.26	-21.95	-9.50	0.28	443298.65	655341.59	N 32 13 5.40	W 103 57 52.88
	4374.00	0.07	94.05	4373.13	10.34	-22.00	-9.58	0.25	443298.60	655341.51	N 32 13 5.40	W 103 57 52.88
	4469.00	0.18	99.34	4468.12	10.14	-22.03	-9.37	0.12	443298.57	655341.72	N 32 13 5.40	W 103 57 52.88
	4564.00	0.14	263.80	4563.12	10.11	-22.07	-9.34	0.33	443298.54	655341.75	N 32 13 5.40	W 103 57 52.88
	4658.00	0.12	34.50	4657.12	10.16	-22.00	-9.40	0.25	443298.61	655341.69	N 32 13 5.40	W 103 57 52.88
	4753.00	0.14	116.15	4752.12	10.00	-21.97	-9.24	0.18	443298.64	655341.85	N 32 13 5.40	W 103 57 52.88
	4848.00	0.14	79.21	4847.12	9.78	-22.00	-9.02	0.09	443298.61	655342.07	N 32 13 5.40	W 103 57 52.88
	4942.00	0.14	298.10	4941.12	9.77	-21.92	-9.01	0.28	443298.68	655342.08	N 32 13 5.40	W 103 57 52.88
	5036.00	0.15	97.57	5035.12	9.75	-21.88	-8.99	0.30	443298.72	655342.10	N 32 13 5.40	W 103 57 52.88
	5131.00	0.57	193.27	5130.12	9.75	-22.36	-8.97	0.64	443298.24	655342.12	N 32 13 5.38	W 103 57 52.88
	5225.00	1.77	189.61	5224.10	10.16	-24.24	-9.32	1.28	443296.36	655341.77	N 32 13 5.34	W 103 57 52.89
	5320.00	3.01	188.20	5319.02	10.90	-28.16	-9.92	1.31	443292.44	655341.17	N 32 13 5.34	W 103 57 52.89
	5414.00	5.46	163.18	5412.76	10.20	-34.89	-8.98	3.21	443285.72	655342.11	N 32 13 5.27	W 103 57 52.88
	5509.00	8.19	143.48	5507.09	5.20	-44.85	-3.65	3.75	443275.95	655347.44	N 32 13 5.18	W 103 57 52.88
	5603.00	8.50	130.47	5600.10	-3.72	-54.54	5.62	2.03	443266.06	655356.71	N 32 13 5.08	W 103 57 52.71
	5697.00	8.75	126.52	5693.04	-14.43	-63.31	16.66	0.68	443257.30	655367.74	N 32 13 4.99	W 103 57 52.58
	5792.00	8.31	120.31	5786.99	-25.89	-71.07	28.39	1.07	443249.53	655379.48	N 32 13 4.91	W 103 57 52.44
	5981.00	8.54	109.54	5973.96	-50.49	-82.66	53.41	0.84	443237.95	655404.49	N 32 13 4.80	W 103 57 52.15
	6075.00	8.51	107.25	6066.93	-63.55	-87.06	66.63	0.36	443233.55	655417.71	N 32 13 4.75	W 103 57 52.00
	6170.00	8.23	108.36	6160.91	-76.56	-91.28	79.79	0.34	443229.32	655430.88	N 32 13 4.71	W 103 57 51.85
	6265.00	7.93	114.67	6254.97	-88.79	-96.16	92.20	0.98	443224.45	655443.28	N 32 13 4.66	W 103 57 51.70
	6454.00	8.42	124.92	6442.06	-111.50	-109.52	115.40	0.81	443211.09	655466.48	N 32 13 4.53	W 103 57 51.43
	6548.00	8.33	125.42	6535.06	-122.41	-117.41	126.59	0.12	443203.20	655477.67	N 32 13 4.45	W 103 57 51.30
	6643.00	7.92	120.90	6629.11	-133.37	-124.76	137.81	0.80	443195.85	655488.89	N 32 13 4.38	W 103 57 51.17
	6737.00	7.81	123.15	6722.22	-144.03	-131.58	148.72	0.35	443189.03	655499.80	N 32 13 4.31	W 103 57 51.05
	6831.00	8.42	130.55	6815.28	-154.32	-139.54	159.29	1.29	443181.07	655510.37	N 32 13 4.23	W 103 57 50.92
	6926.00	9.03	144.45	6909.19	-163.57	-150.13	168.91	2.30	443170.48	655519.99	N 32 13 4.13	W 103 57 50.81
	7020.00	8.03	153.90	7002.16	-170.33	-162.03	176.09	1.83	443158.58	655527.17	N 32 13 4.01	W 103 57 50.73
	7210.00	7.81	146.74	7190.35	-182.45	-184.74	189.01	0.53	443135.87	655540.09	N 32 13 3.78	W 103 57 50.58

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
100' FEL	7479.00	14.22	208.90	7453.71	-183.57	-234.21	191.86	6.12	443086.41	655542.94	N 32 13 3.29	W 103 57 50.55
Crossing	7548.00	14.48	233.30	7520.62	-172.11	-246.80	180.84	8.71	443073.82	655531.91	N 32 13 3.17	W 103 57 50.68
	7573.00	15.16	241.40	7544.79	-166.62	-250.23	175.46	8.71	443070.39	655526.54	N 32 13 3.14	W 103 57 50.74
	7568.00	18.81	248.12	7635.64	-141.10	-261.89	150.33	4.36	443058.73	655501.41	N 32 13 3.02	W 103 57 51.03
	7763.00	30.07	254.11	7722.00	-103.46	-274.15	113.10	12.12	443046.47	655464.19	N 32 13 2.90	W 103 57 51.47
1st Bones												
Spring	7780.58	32.79	256.14	7737.00	-94.53	-276.50	104.25	16.59	443044.12	655455.33	N 32 13 2.88	W 103 57 51.57
Intersection												
	7858.00	45.02	262.44	7797.16	-46.56	-285.16	56.55	16.59	443035.46	655407.63	N 32 13 2.79	W 103 57 52.12
	7953.00	56.49	266.31	7857.17	-26.73	-292.15	-16.54	12.47	443028.47	655334.55	N 32 13 2.73	W 103 57 52.98
	8047.00	67.91	268.62	7900.95	109.74	-295.74	-99.47	12.34	443024.89	655251.63	N 32 13 2.70	W 103 57 53.94
	8142.00	75.78	270.91	7930.53	199.88	-296.07	-189.66	8.59	443024.56	655161.44	N 32 13 2.70	W 103 57 54.99
	8237.00	84.96	270.08	7946.40	293.36	-295.27	-283.22	9.70	443025.36	655067.89	N 32 13 2.71	W 103 57 56.08
	8305.00	91.44	271.40	7948.54	361.21	-294.39	-351.14	9.72	443026.23	654999.98	N 32 13 2.72	W 103 57 56.87
	8491.00	91.09	271.55	7944.43	546.82	-289.60	-537.03	0.20	443031.02	654814.10	N 32 13 2.77	W 103 57 59.03
	8584.00	91.13	271.66	7942.63	639.62	-287.00	-629.98	0.13	443033.62	654721.16	N 32 13 2.80	W 103 58 0.12
	8678.00	91.02	271.71	7940.87	733.41	-284.23	-723.92	0.13	443036.39	654627.22	N 32 13 2.83	W 103 58 1.21
	8771.00	90.92	271.62	7939.29	826.20	-281.53	-816.87	0.14	443039.09	654534.28	N 32 13 2.86	W 103 58 2.29
	8864.00	90.96	271.73	7937.77	919.00	-278.81	-909.82	0.13	443041.81	654441.34	N 32 13 2.89	W 103 58 3.37
	9050.00	91.40	271.82	7933.94	1104.55	-273.05	-1095.69	0.24	443047.57	654255.49	N 32 13 2.95	W 103 58 4.29
	9145.00	91.02	271.44	7931.93	1199.34	-270.35	-1190.63	0.57	443050.27	654160.55	N 32 13 2.98	W 103 58 6.64
	9335.00	91.02	271.71	7928.55	1388.94	-265.13	-1380.53	0.14	443055.49	653970.67	N 32 13 3.04	W 103 58 8.85
	9524.00	91.20	271.43	7924.89	1577.54	-259.95	-1569.42	0.18	443060.67	653781.79	N 32 13 3.10	W 103 58 11.05
	9714.00	90.10	269.44	7922.73	1767.34	-258.51	-1759.39	1.20	443062.11	653591.84	N 32 13 3.12	W 103 58 13.26
	9809.00	91.13	269.44	7921.71	1862.31	-259.44	-1854.38	1.08	443061.18	653496.86	N 32 13 3.11	W 103 58 14.37
	9904.00	91.47	269.84	7919.56	1957.24	-260.04	-1949.35	0.55	443060.58	653401.89	N 32 13 3.11	W 103 58 15.47
	10093.00	90.99	269.42	7915.50	2146.12	-261.26	-2138.30	0.34	443059.36	653212.95	N 32 13 3.11	W 103 58 17.67
	10188.00	90.99	269.49	7913.86	2241.08	-262.16	-2233.29	0.07	443058.46	653117.98	N 32 13 3.10	W 103 58 18.78
	10283.00	91.13	269.47	7912.10	2336.03	-263.02	-2328.26	0.15	443057.60	653023.01	N 32 13 3.09	W 103 58 19.88
	10377.00	90.89	269.54	7910.44	2429.98	-263.84	-2422.25	0.27	443056.79	652929.03	N 32 13 3.09	W 103 58 20.98
	10567.00	91.33	269.22	7906.76	2619.89	-265.89	-2612.20	0.29	443054.73	652739.09	N 32 13 3.08	W 103 58 23.19
	10662.00	92.92	268.47	7903.24	2714.81	-267.80	-2707.11	1.85	443052.82	652644.19	N 32 13 3.06	W 103 58 24.29
	10757.00	91.20	269.95	7899.83	2809.72	-269.11	-2802.03	2.39	443051.51	652549.27	N 32 13 3.05	W 103 58 25.40
	10852.00	90.44	269.91	7897.74	2904.67	-269.62	-2897.02	0.96	443051.00	652454.29	N 32 13 3.05	W 103 58 26.50
	10946.00	90.44	269.91	7897.74	2998.63	-270.15	-2991.02	0.50	443050.47	652360.31	N 32 13 3.05	W 103 58 27.60
	11041.00	89.85	271.42	7897.50	3093.52	-269.05	-3086.01	1.71	443051.57	652265.32	N 32 13 3.06	W 103 58 28.70
	11136.00	89.65	271.42	7897.50	3188.35	-266.69	-3180.98	0.21	443053.93	652170.36	N 32 13 3.09	W 103 58 29.81
	11231.00	91.30	272.22	7897.13	3283.13	-263.68	-3275.92	1.93	443056.94	652075.42	N 32 13 3.12	W 103 58 30.91
	11326.00	89.99	271.36	7896.06	3377.91	-260.71	-3370.87	1.65	443059.91	651980.49	N 32 13 3.15	W 103 58 32.02
	11421.00	90.58	271.64	7895.59	3472.74	-258.22	-3465.83	0.69	443062.40	651885.53	N 32 13 3.18	W 103 58 33.12
	11516.00	92.43	272.96	7893.09	3567.43	-254.41	-3560.72	2.39	443066.21	651790.65	N 32 13 3.22	W 103 58 34.23
	11610.00	90.51	271.68	7890.68	3661.13	-250.61	-3654.60	2.45	443070.01	651696.77	N 32 13 3.26	W 103 58 35.32
	11705.00	89.99	271.17	7890.27	3755.95	-248.25	-3749.57	0.77	443072.37	651601.81	N 32 13 3.29	W 103 58 36.43
	11800.00	91.64	269.39	7888.92	3850.86	-247.78	-3844.55	2.55	443072.84	651506.84	N 32 13 3.29	W 103 58 37.53
	11895.00	90.82	269.33	7886.88	3945.81	-248.94	-3939.53	0.87	443071.78	651411.87	N 32 13 3.29	W 103 58 38.64
	11990.00	90.89	269.38	7885.48	4040.78	-249.91	-4034.51	0.09	443070.71	651316.90	N 32 13 3.28	W 103 58 39.74
	12085.00	91.61	269.33	7883.39	4135.73	-250.98	-4129.48	0.76	443069.64	651221.93	N 32 13 3.27	W 103 58 40.85
	12180.00	90.82	269.57	7881.37	4230.67	-251.89	-4224.45	0.87	443068.73	651126.97	N 32 13 3.27	W 103 58 41.95
	12275.00	90.47	269.31	7880.30	4325.64	-252.82	-4319.44	0.46	443067.80	651031.98	N 32 13 3.26	W 103 58 43.06
	12370.00	91.16	269.43	7878.95	4420.60	-253.87	-4414.43	0.74	443066.75	650937.01	N 32 13 3.25	W 103 58 44.16
	12465.00	91.51	269.52	7876.74	4515.54	-254.74	-4509.40	0.38	443065.88	650842.05	N 32 13 3.25	W 103 58 45.27
	12559.00	92.50	268.19	7873.45	4609.47	-256.61	-4603.32	1.76	443064.01	650748.13	N 32 13 3.23	W 103 58 46.36
	12750.00	90.68	266.95	7868.15	4800.38	-264.71	-4794.06	1.15	443055.91	650557.40	N 32 13 3.16	W 103 58 48.58
	12845.00	87.24	267.17	7869.77	4895.34	-269.58	-4888.90	3.63	443051.04	650462.57	N 32 13 3.11	W 103 58 49.69
	12940.00	92.88	267.94	7869.77	4990.29	-273.63	-4983.78	5.99	443046.99	650367.70	N 32 13 3.08	W 103 58 50.79
	13130.00	93.29	268.39	7859.55	5180.02	-279.71	-5173.41	0.32	443040.91	650178.09	N 32 13 3.02	W 103 58 53.00
	13225.00	90.78	268.98	7856.18	5274.94	-281.86	-5268.31	2.71	443038.74	650083.19	N 32 13 3.00	W 103 58 54.10
	13320.00	91.68	269.83	7854.14	5369.89	-282.87	-5363.28	1.30	443037.75	649988.22	N 32 13 3.00	W 103 58 55.21
	13415.00	91.23	269.90	7851.72	5464.81	-283.10	-5458.25	0.48	443037.53	649893.26	N 32 13 3.00	W 103 58 56.32
	13510.00	92.78	269.47	7848.40	5559.71	-283.62	-5553.19	1.69	443037.00	649798.33	N 32 13 3.00	W 103 58 57.42
	13605.00	91.13	269.91	7845.16	5654.61	-284.13	-5648.13	1.80	443036.49	649703.40	N 32 13 2.99	W 103 58 58.53
	13700.00	91.33	270.42	7843.12	5749.52	-283.86	-5743.11	0.58	443036.76	649608.43	N 32 13 3.00	W 103 58 59.63
	13795.00	92.95	268.87	7839.57	5844.41	-284.44	-5838.03	2.36	443036.18	649513.51	N 32 13 3.00	W 103 59 0.74
	13890.00	90.89	270.08	7836.39	5939.31	-285.31	-5932.97	2.51	443035.31	649418.58	N 32 13 2.99	W 103 59 1.84
	13984.00	90.65	269.34	7835.13	6034.26	-285.79	-6026.96	0.83	443034.83	649324.60	N 32 13 2.99	W 103 59 2.93
	14079.00	88.03	270.94	7836.22	6128.18	-285.56	-6121.94	3.23	443035.06	649229.63	N 32 13 2.99	W 103 59 4.04
	14268.00	88.55	273.05	7841.86	6316.62	-278.98	-6310.73	1.15	443041.64	649040.85	N 32 13 3.07	W 103 59 6.24
	14458.00	91.33	272.46	7842.06	6505.95	-269.85	-6500.49	1.50	443050.77	648851.11	N 32 13 3.16	W 103 59 8.45
	14553.00	90.27	273.45	7840.73	6600.58	-264.95	-6595.35	1.53	443055.67	648756.25	N 32 13 3.21	W 103 59 9.55
	14742.00	91.16	274.67	7838.38	6788.51	-251.57	-6783.86	0.80	443069.05	648567.76	N 32 13 3.35	W 103 59 11.74
	14837.00	92.81	274.41	7835.09	6882.83	-244.06	-6878.50	1.76	443076.56	648473.13	N 32 13 3.43	W 103 59 12.85
Exit Target Box												
1	14879.00	91.86	273.75	7833.38	6924.56	-241.07	-6920.36	2.77	443079.55	648431.27	N 32 13 3.46	W 103 59 13.33
	14932.00	90.65	272.91	7832.22	6977.31	-238.00	-6973.26	2.77	443082.62	648378.38	N 32 13 3.49	W 103 59 13.95
	15027.00	90.37	269.68	7831.37	7072.14	-235.85	-7068.21	3.41	443084.77	648283.43	N 32 13 3.52	W 103 59 15.05
	15121.00	91.33	269.37	7829.98	7166.09	-236.63	-7162.20	1.07	443083.99	648189.45	N 32 13 3.51	W 103 59 16.15
	15311.00	87.93	270.17	7831.20	7355.97	-237.39	-7352.17	1.84	443083.23	647999.50	N 32 13 3.51	W 103 59 18.36
	15405.00	9										

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 ° ' ")
		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 13H Gyro + MWD 0-16370'MD	
		1	26.500	415.000	Act Stns	30.000	30.000	NAL_NSG+MSHOT			Original Borehole / Oxy Refried Beans CC 15-16 State Com 13H	
		1	415.000	7210.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS			Original Borehole / Oxy Refried Beans CC 15-16 State Com 13H	
		1	7210.000	7668.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG			Original Borehole / Oxy Refried Beans CC 15-16 State Com 13H	
		1	7668.000	16370.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS			Original Borehole / Oxy Refried Beans CC 15-16 State Com 13H	

...Original Borehole\Oxy Refried Beans CC 15-16 State Com 13H Gyro + MWD 0-16370'MD