

Schlumberger

OXY

JUN 03 2019

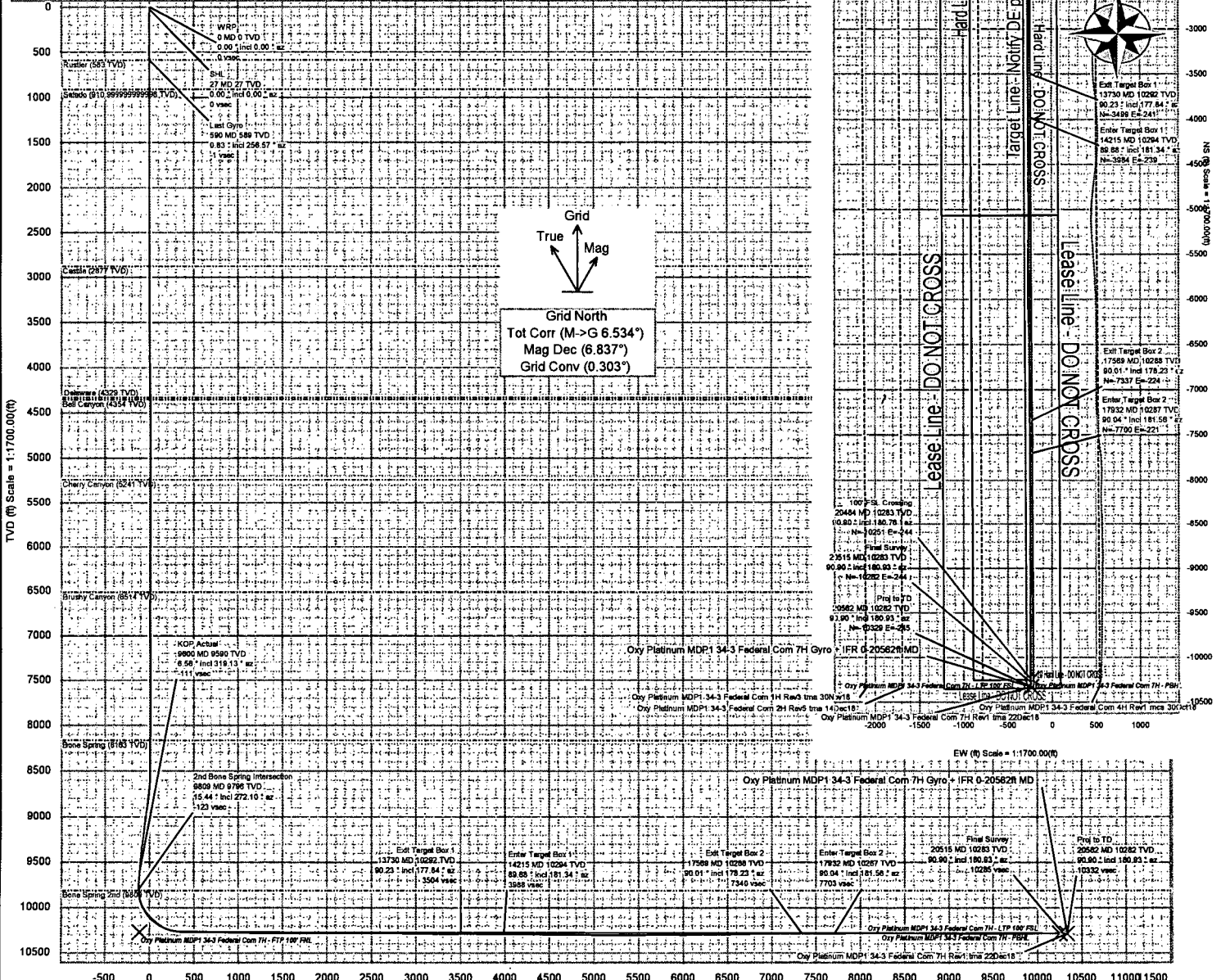
DISTRICT II-ARTESIA O.C.D.



Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Platinum MDP1 34-3 Federal Com 7H	NM Eddy County (NAD 83)	Oxy Platinum MDP1 34-3 Federal Com 7H

Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model:	IFR1	Dip:	53.99°	Date:	07-Dec-2018	Lat:	N 32 18 3.29	North:	481642.89RUS	Grid Conv:	0.303°
MagDec:	6.837°	FS:	48028.6nT	Gravity FS:	998.448mgn (8.80885 Based)	Lon:	W 103 46 66.94	East:	718747.96RUS	Scale Fact:	0.99994433
								Oxy Platinum MDP1 34-3 Federal Com 7H Gyro + IFR 0-20562R MD			

Critical Points							
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)S(-)	E(+)W(-)
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
Last Gyro	589.50	0.83	256.57	589.48	-1.26	1.34	-3.42
KOP Actual	9800.00	6.56	318.13	9590.31	-111.48	113.29	-78.24
2nd Bone Spring Intersection	9809.00	15.44	272.10	9796.14	-123.10	125.65	-110.59
100' FNL Crossing	9920.00	29.52	249.10	9897.49	-113.56	117.09	-153.98
Exit Target Box 1	13730.00	90.23	177.84	10281.83	3503.84	-3499.27	-241.12
Enter Target Box 1	14215.00	89.68	181.34	10283.90	3988.47	-3984.08	-238.65
Exit Target Box 2	17569.00	90.01	178.23	10287.99	7340.16	-7336.97	-223.66
Enter Target Box 2	17932.00	90.04	181.56	10287.04	7702.90	-7699.88	-220.55
100' FSL Crossing	20484.00	90.90	180.76	10283.03	10254.32	-10251.43	-243.61
Final Survey	20515.00	90.90	180.93	10282.54	10285.31	-10282.42	-244.06
Proj to TD	20562.00	90.90	180.93	10281.80	10332.31	-10329.41	-244.83





Oxy Platinum MDP1 34-3 Federal Com 7H Gyro + IFR 0-20562ft MD Survey Geodetic Report (Def Survey)

Report Date: January 02, 2019 - 10:59 AM
Client: OXY
Field: NM Eddy County (NAD 83)
Structure / Slot: Oxy Platinum MDP1 34-3 Federal Com 7H / Oxy Platinum MDP1 34-3 Federal Com 7H
Well: Oxy Platinum MDP1 34-3 Federal Com 7H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Oxy Platinum MDP1 34-3 Federal Com 7H Gyro + IFR 0-20562ft MD
Survey Date: December 11, 2018
Tort / AHD / DDI / ERD Ratio: 235.617' / 10752.729 ft / 6.704 / 1.044
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 16' 3.29241", W 103° 45' 56.95581"
Location Grid N/E Y/X: N 461542.890 RUS, E 716747.950 RUS
CRS Grid Convergence Angle: 0.3030°
Grid Scale Factor: 0.99994433
Version / Patch: 2.10.753.0
Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 181.303° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3450.400 ft above MSL
Seabed / Ground Elevation: 3423.900 ft above MSL
Magnetic Declination: 6.837°
Total Gravity Field Strength: 998.4478mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48028.500 nT
Magnetic Dip Angle: 59.996°
Declination Date: December 07, 2018
Magnetic Declination Model: IFR1
North Reference: Grid North
Grid Convergence Used: 0.3030°
Total Corr Mag North->Grid North: 6.5340°
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (NUS)	Easting (EUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	461542.89	716747.95	N 32° 16' 3.29"	W 103° 45' 56.96"
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	461542.89	716747.95	N 32° 16' 3.29"	W 103° 45' 56.96"
	95.90	0.46	2.91	95.90	-0.28	0.28	0.01	0.66	461543.17	716747.96	N 32° 16' 3.30"	W 103° 45' 56.96"
	179.60	0.40	339.40	179.60	-0.89	0.89	-0.07	0.22	461543.78	716747.88	N 32° 16' 3.30"	W 103° 45' 56.96"
	238.40	0.30	327.07	238.40	-1.20	1.21	-0.23	0.21	461544.10	716747.72	N 32° 16' 3.30"	W 103° 45' 56.96"
	301.40	0.39	296.53	301.39	-1.43	1.44	-0.51	0.32	461544.33	716747.44	N 32° 16' 3.31"	W 103° 45' 56.96"
	364.40	0.40	281.26	364.39	-1.56	1.58	-0.92	0.17	461544.47	716747.03	N 32° 16' 3.31"	W 103° 45' 56.97"
	427.40	0.47	277.82	427.39	-1.63	1.66	-1.39	0.12	461544.55	716746.56	N 32° 16' 3.31"	W 103° 45' 56.97"
	491.50	0.79	261.33	491.49	-1.58	1.63	-2.09	0.57	461544.52	716745.86	N 32° 16' 3.31"	W 103° 45' 56.98"
	554.60	0.80	255.66	554.58	-1.39	1.45	-2.94	0.13	461544.34	716745.01	N 32° 16' 3.31"	W 103° 45' 56.99"
	589.50	0.83	256.57	589.48	-1.26	1.34	-3.42	0.09	461544.22	716744.53	N 32° 16' 3.31"	W 103° 45' 57.00"
	690.00	0.87	251.40	689.97	-0.81	0.92	-4.86	0.09	461543.81	716743.09	N 32° 16' 3.30"	W 103° 45' 57.01"
	779.00	0.79	240.22	778.96	-0.27	0.40	-6.03	0.20	461543.29	716741.82	N 32° 16' 3.30"	W 103° 45' 57.03"
	869.00	0.17	267.20	868.95	0.06	0.09	-6.70	0.71	461542.98	716741.25	N 32° 16' 3.29"	W 103° 45' 57.03"
	961.00	0.15	320.75	960.95	-0.02	0.17	-6.91	0.16	461543.06	716741.04	N 32° 16' 3.29"	W 103° 45' 57.04"
	1053.00	0.19	355.26	1052.95	-0.26	0.42	-7.00	0.12	461543.31	716740.95	N 32° 16' 3.30"	W 103° 45' 57.04"
	1144.00	0.15	106.60	1143.95	-0.38	0.54	-6.90	0.31	461543.43	716741.05	N 32° 16' 3.30"	W 103° 45' 57.04"
	1234.00	0.14	96.26	1233.95	-0.34	0.49	-6.68	0.03	461543.38	716741.27	N 32° 16' 3.30"	W 103° 45' 57.03"
	1327.00	0.15	205.89	1326.95	-0.22	0.37	-6.62	0.26	461543.26	716741.33	N 32° 16' 3.30"	W 103° 45' 57.03"
	1419.00	0.19	177.68	1418.95	0.04	0.11	-6.66	0.10	461543.00	716741.29	N 32° 16' 3.29"	W 103° 45' 57.03"
	1510.00	0.15	150.39	1509.95	0.30	-0.15	-6.60	0.10	461542.74	716741.35	N 32° 16' 3.29"	W 103° 45' 57.03"
	1605.00	0.11	146.06	1604.95	0.48	-0.33	-6.49	0.04	461542.56	716741.46	N 32° 16' 3.29"	W 103° 45' 57.03"
	1700.00	0.19	23.42	1699.95	0.41	-0.26	-6.37	0.28	461542.63	716741.58	N 32° 16' 3.29"	W 103° 45' 57.03"
	1889.00	0.19	332.84	1888.95	-0.16	0.30	-6.39	0.09	461543.19	716741.56	N 32° 16' 3.30"	W 103° 45' 57.03"
	1984.00	0.17	231.23	1983.95	-0.21	0.36	-6.57	0.29	461543.25	716741.38	N 32° 16' 3.30"	W 103° 45' 57.03"
	2172.00	0.17	302.57	2171.95	-0.17	0.33	-7.03	0.11	461543.22	716740.92	N 32° 16' 3.30"	W 103° 45' 57.04"
	2267.00	0.15	242.14	2266.95	-0.19	0.35	-7.26	0.17	461543.24	716740.70	N 32° 16' 3.30"	W 103° 45' 57.04"
	2362.00	0.11	163.91	2361.95	-0.04	0.20	-7.34	0.18	461543.09	716740.61	N 32° 16' 3.29"	W 103° 45' 57.04"
	2456.00	0.15	228.98	2455.95	0.13	0.04	-7.41	0.15	461542.93	716740.54	N 32° 16' 3.29"	W 103° 45' 57.04"
	2550.00	0.11	142.13	2549.95	0.28	-0.12	-7.45	0.19	461542.77	716740.51	N 32° 16' 3.29"	W 103° 45' 57.04"
	2740.00	0.19	5.42	2739.95	0.11	0.05	-7.30	0.15	461542.94	716740.65	N 32° 16' 3.29"	W 103° 45' 57.04"
	2834.00	0.15	177.81	2833.95	0.08	0.09	-7.28	0.36	461542.98	716740.67	N 32° 16' 3.29"	W 103° 45' 57.04"
	3023.00	0.15	176.81	3022.95	0.57	-0.41	-7.26	0.00	461542.48	716740.69	N 32° 16' 3.29"	W 103° 45' 57.04"
	3118.00	0.19	112.67	3117.95	0.75	-0.59	-7.11	0.19	461542.30	716740.84	N 32° 16' 3.29"	W 103° 45' 57.04"
	3212.00	0.15	333.84	3211.95	0.70	-0.54	-7.02	0.34	461542.35	716740.93	N 32° 16' 3.29"	W 103° 45' 57.04"
	3307.00	0.15	76.60	3306.95	0.56	-0.40	-6.95	0.25	461542.49	716741.00	N 32° 16' 3.29"	W 103° 45' 57.04"
	3401.00	0.15	267.88	3400.95	0.54	-0.38	-6.96	0.32	461542.51	716740.99	N 32° 16' 3.29"	W 103° 45' 57.04"
	3496.00	0.15	242.94	3495.95	0.60	-0.44	-7.19	0.07	461542.45	716740.76	N 32° 16' 3.29"	W 103° 45' 57.04"
	3685.00	0.94	155.16	3684.94	2.11	-1.96	-6.76	0.50	461540.93	716741.19	N 32° 16' 3.27"	W 103° 45' 57.03"
	3779.00	0.28	125.19	3778.93	2.93	-2.79	-6.25	0.76	461540.10	716741.70	N 32° 16' 3.27"	W 103° 45' 57.03"
	3968.00	0.56	177.29	3967.93	4.11	-3.98	-5.83	0.24	461538.91	716742.12	N 32° 16' 3.25"	W 103° 45' 57.02"
	4063.00	0.95	174.63	4062.92	5.36	-5.23	-5.73	0.41	461537.66	716742.22	N 32° 16' 3.24"	W 103° 45' 57.02"
	4252.00	1.02	202.26	4251.89	8.48	-8.34	-6.22	0.25	461534.55	716741.73	N 32° 16' 3.21"	W 103° 45' 57.03"
	4347.00	0.71	211.86	4346.88	9.78	-9.63	-6.85	0.36	461533.26	716741.10	N 32° 16' 3.20"	W 103° 45' 57.04"
	4371.00	0.83	193.55	4370.88	10.08	-9.92	-6.97	1.13	461532.97	716740.98	N 32° 16' 3.19"	W 103° 45' 57.04"
	4517.00	0.59	211.19	4516.87	11.76	-11.59	-7.61	0.22	461531.30	716740.34	N 32° 16' 3.18"	W 103° 45' 57.05"
	4612.00	0.46	233.32	4611.86	12.42	-12.24	-8.17	0.25	461530.65	716739.78	N 32° 16' 3.17"	W 103° 45' 57.05"
	4801.00	0.36	76.60	4800.86	12.74	-12.55	-8.20	0.43	461530.34	716739.75	N 32° 16' 3.17"	W 103° 45' 57.05"
	4895.00	0.31	39.79	4894.86	12.46	-12.29	-7.75	0.23	461530.60	716740.20	N 32° 16' 3.17"	W 103° 45' 57.05"
	4990.00	0.02	127.48	4989.86	12.27	-12.10	-7.57	0.33	461530.79	716740.38	N 32° 16' 3.17"	W 103° 45' 57.05"
	5085.00	0.04	261.32	5084.86	12.29	-12.12	-7.59	0.06	461530.77	716740.36	N 32° 16' 3.17"	W 103° 45' 57.04"
	5179.00	0.26	315.60	5178.86	12.14	-11.97	-7.77	0.25	461530.92	716740.18	N 32° 16' 3.17"	W 103° 45' 57.05"
	5273.00	0.29	309.58	5272.86	11.85	-11.67	-8.11	0.04	461531.22	716739.84	N 32° 16' 3.18"	W 103° 45' 57.05"
	5463.00	0.11	318.60	5462.86	11.42	-11.22	-8.60	0.10	461531.67	716739.35	N 32° 16' 3.18"	W 103° 45' 57.06"
	5652.00	0.23	274.89	5651.86	11.26	-11.06	-9.10	0.09	461531.84	716738.86	N 32° 16' 3.18"	W 103° 45' 57.06"
	5842.00	0.16	316.74	5841.86	11.05	-10.83	-9.66	0.08	461532.06	716738.29	N 32° 16' 3.19"	W 103° 45' 57.07"
	6031.00	0.24	255.61	6030.85	10.97	-10.74	-10.22	0.11	461532.15	716737.73	N 32° 16' 3.19"	W 103° 45' 57.08"
	6219.00	0.13	291.32	6218.85	11.00	-10.76	-10.80	0.08	461532.13	716737.15	N 32° 16' 3.19"	W 103° 45' 57.08"
	6409.00	0.17	312.55	6408.85	10.74	-10.49	-11.21	0.04	461532.40	716736.74	N 32° 16' 3.19"	W 103° 45' 57.09"
	6598.00	0.26	286.46	6597.85	10.44	-10.18	-11.83	0.07	461532.71	716736.12	N 32° 16' 3.19"	W 103° 45' 57.09"
	6787.00	0.30	238.35	6786.85	10.60	-10.31	-12.66	0.12	461532.58	716735.29	N 32° 16' 3.19"	W 103° 45' 57.10"
	6882.00	0.23	236.52	6881.85	10.84	-10.55	-13.03	0.07	461532.34	716734.92	N 32° 16' 3.19"	W 103° 45' 57.11"
	6977.00	0.16	288.13	6976.85	10.91	-10.61	-13.32	0.19	461532.28	716734.64	N 32° 16' 3.19"	W 103° 45' 57.11"
	7071.00	0.18	1.69	7070.85	10.73	-10.43	-13.44	0.22	461532.47	716734.51	N 32° 16' 3.19"	W 103° 45' 57.11"
	7166.00	0.20	320.15	7165.85	10.45	-10.15	-13.54	0.14	461532.74	716734.41	N 32° 16' 3.19"	W 103° 45' 57.11"
	7261.00	0.15	225.31	7260.85	10.42	-10.11	-13.73	0.27	461532.78	716734.22	N 32° 16' 3.19"	W 103° 45' 57.12"
	7355.00	0.15	234.15	7354.85	10.58	-10.27	-13.92	0.02	461532.62	716734.03	N 32° 16' 3.19"	W 103° 45' 57.12"
	7450.00	0.14	297.94	7449.85	10.60	-10.29	-14.12	0.16	461532.60	716733.83	N 32° 16' 3.19"	W 103° 45' 57.12"
	7544.00	0.21	275.02	7543.85	10.54	-10.22	-14.40	0.10	461532.67	716733.55	N 32° 16' 3.19"	W 103° 45' 57.12"
	7639.00	0.24	199.20	7638.85	10.72	-10.39	-14.64	0.29	461532.50	716733.32	N 32° 16' 3.19"	W 103° 45' 57.13"
	7733.00	0.11	312.23	7732.85	10.85	-10.52	-14.77	0.32	461532.38	716733.18	N 32° 16' 3.19"	W 103° 45' 57.13"
	7923.00	0.29	343.19	7922.84	10.27	-9.93	-15.04	0.11	461532.96	716732.91	N 32° 16' 3.19"	W 103° 45' 57.13"
	8018.00	0.35	18.06	8017.84	9.77	-9.43	-15.02	0.21	461533.46	716732.93	N 32° 16' 3.20"	W 103° 45' 57.13"
	8112.00	0.19	346.69	8								

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 ° ' ")
	8396.00	0.09	314.61	8395.84	8.52	-8.18	-14.96	0.25	461534.71	716732.99	N 32 16 3.21 W	103 45 57.13
	8490.00	0.21	60.71	8489.84	8.38	-8.04	-14.86	0.27	461534.85	716733.09	N 32 16 3.21 W	103 45 57.13
	8585.00	2.62	347.36	8584.81	6.18	-5.84	-15.19	0.20	461537.05	716732.77	N 32 16 3.33 W	103 45 57.13
	8680.00	5.83	344.54	8679.54	-0.55	0.93	-16.95	3.38	461543.82	716731.00	N 32 16 3.30 W	103 45 57.15
	8775.00	7.30	342.93	8773.91	-10.90	11.35	-20.01	1.56	461554.24	716727.95	N 32 16 3.41 W	103 45 57.19
	8869.00	8.25	339.37	8867.05	-22.82	23.37	-24.13	1.13	461566.26	716723.82	N 32 16 3.52 W	103 45 57.24
	8964.00	9.19	337.79	8960.95	-36.10	36.78	-29.40	1.02	461579.66	716718.55	N 32 16 3.66 W	103 45 57.30
	9058.00	8.27	336.60	9053.86	-49.12	49.93	-34.93	1.00	461592.82	716713.03	N 32 16 3.79 W	103 45 57.36
	9152.00	7.91	334.35	9146.92	-61.03	61.97	-40.41	0.51	461604.85	716707.54	N 32 16 3.91 W	103 45 57.42
	9247.00	8.86	324.07	9240.91	-72.68	73.78	-47.53	1.86	461616.67	716700.42	N 32 16 4.02 W	103 45 57.50
	9342.00	9.19	321.43	9334.73	-84.33	85.64	-56.56	0.56	461628.52	716691.40	N 32 16 4.14 W	103 45 57.61
	9436.00	8.12	322.04	9427.66	-95.23	96.74	-65.32	1.14	461639.63	716682.63	N 32 16 4.25 W	103 45 57.71
	9531.00	7.25	323.13	9521.81	-105.14	106.83	-73.04	0.93	461649.71	716674.91	N 32 16 4.35 W	103 45 57.80
	9600.00	6.56	319.13	9590.31	-111.48	113.29	-78.24	1.22	461656.17	716669.72	N 32 16 4.42 W	103 45 57.86
	9790.00	12.73	280.09	9777.71	-122.75	125.19	-106.00	4.56	461668.07	716641.96	N 32 16 4.54 W	103 45 58.18
	9885.00	27.65	256.92	9866.74	-118.84	122.01	-138.00	17.53	461664.89	716609.96	N 32 16 4.51 W	103 45 58.56
KOP Actual												
100' FNL Crossing	9920.00	29.52	249.10	9897.49	-113.56	117.09	-153.98	11.95	461659.98	716593.98	N 32 16 4.46 W	103 45 58.74
	9980.00	33.63	237.84	9948.64	-89.79	102.96	-181.89	11.95	461645.84	716586.07	N 32 16 4.32 W	103 45 59.07
	10075.00	41.43	210.87	10024.43	-56.60	61.63	-220.61	18.88	461604.52	716527.36	N 32 16 3.91 W	103 45 59.52
	10170.00	45.29	200.09	10093.58	2.80	2.85	-248.38	8.78	461545.74	716499.59	N 32 16 3.33 W	103 45 59.85
	10206.00	47.08	198.02	10118.51	27.54	-21.70	-256.85	6.47	461521.19	716491.12	N 32 16 3.09 W	103 45 59.95
	10265.00	50.08	194.87	10157.54	70.24	-64.13	-269.34	6.47	461478.77	716478.62	N 32 16 2.87 W	103 46 0.10
	10360.00	59.83	185.87	10212.10	146.87	-140.48	-282.94	12.85	461402.42	716465.02	N 32 16 1.92 W	103 46 0.26
	10455.00	76.36	183.93	10247.42	234.54	-227.99	-290.36	17.50	461314.91	716457.61	N 32 16 1.05 W	103 46 0.35
	10550.00	88.76	180.99	10259.70	328.52	-321.91	-294.36	13.41	461220.99	716453.61	N 32 16 0.12 W	103 46 0.40
	10625.00	89.14	179.73	10261.08	403.50	-396.90	-294.83	1.75	461146.01	716453.14	N 32 16 0.59 W	103 46 0.41
	10718.00	88.77	180.47	10262.77	496.46	-489.88	-294.99	0.89	461053.04	716452.98	N 32 16 0.58 W	103 46 0.42
	10905.00	88.46	180.37	10267.29	583.39	-678.82	-296.35	0.17	460866.11	716451.61	N 32 16 0.56 W	103 46 0.45
	10998.00	89.56	182.41	10268.90	776.37	-769.77	-298.62	2.49	460773.16	716449.35	N 32 16 0.55 W	103 46 0.48
	11092.00	89.22	182.87	10270.72	870.32	-863.65	-302.95	1.51	460679.28	716445.02	N 32 16 0.54 W	103 46 0.54
	11278.00	89.45	181.11	10274.50	1056.26	-1049.49	-309.40	1.15	460493.46	716438.56	N 32 16 0.52 W	103 46 0.62
	11465.00	89.52	176.20	10278.18	1242.99	-1236.38	-305.01	2.63	460306.58	716442.95	N 32 16 0.51 W	103 46 0.58
	11558.00	89.97	175.42	10276.80	1335.56	-1329.13	-298.22	0.97	460213.84	716449.75	N 32 16 0.50 W	103 46 0.51
	11652.00	89.39	175.38	10277.12	1429.06	-1422.82	-290.68	0.62	460120.15	716457.29	N 32 16 0.49 W	103 46 0.43
	11745.00	88.56	177.33	10278.79	1521.70	-1515.61	-284.77	2.28	460027.36	716463.20	N 32 16 0.48 W	103 46 0.37
	11932.00	90.14	179.29	10280.91	1708.42	-1702.51	-279.28	1.35	459940.48	716468.71	N 32 16 0.46 W	103 46 0.31
	12025.00	89.49	177.84	10281.21	1801.31	-1795.47	-276.93	1.71	459747.52	716471.04	N 32 16 0.45 W	103 46 0.29
	12120.00	90.49	177.70	10281.23	1896.12	-1890.40	-273.23	1.06	459652.60	716474.73	N 32 16 0.44 W	103 46 0.25
	12310.00	89.01	180.74	10282.05	2085.97	-2080.35	-270.64	1.78	459462.66	716477.32	N 32 16 0.42 W	103 46 0.24
	12405.00	89.66	182.53	10283.16	2180.96	-2175.30	-273.36	2.00	459367.71	716474.61	N 32 16 0.41 W	103 46 0.27
	12500.00	90.42	182.78	10283.09	2275.93	-2270.20	-277.76	0.84	459272.82	716470.21	N 32 16 0.40 W	103 46 0.33
	12594.00	90.66	179.88	10282.21	2369.92	-2364.16	-279.84	3.10	459178.87	716468.03	N 32 16 0.39 W	103 46 0.36
	12689.00	90.18	178.57	10281.51	2464.85	-2459.15	-278.65	1.47	459083.88	716469.31	N 32 16 0.38 W	103 46 0.35
	12784.00	91.55	178.15	10280.07	2559.71	-2554.09	-275.93	1.51	458988.94	716472.03	N 32 16 0.38 W	103 46 0.33
	12874.00	88.32	177.27	10280.29	2749.31	-2743.92	-268.34	1.76	458798.13	716479.62	N 32 16 0.36 W	103 46 0.25
	13069.00	88.59	178.36	10282.85	2844.10	-2838.81	-264.72	1.18	458704.24	716483.24	N 32 16 0.35 W	103 46 0.21
	13258.00	89.73	178.32	10285.64	3033.82	-3028.71	-259.22	0.60	458514.36	716488.75	N 32 16 0.33 W	103 46 0.16
	13448.00	87.84	177.36	10288.64	3222.42	-3217.52	-252.10	1.12	458325.56	716495.87	N 32 16 0.31 W	103 46 0.09
	13638.00	90.45	178.02	10292.48	3412.00	-3407.33	-244.44	1.42	458135.76	716503.52	N 32 16 0.29 W	103 46 0.01
Exit Target Box 1	13730.00	90.23	177.84	10291.93	3503.84	-3499.27	-241.12	0.31	458043.83	716506.85	N 32 16 0.28 W	103 45 59.98
	13827.00	90.00	177.64	10291.74	3600.66	-3596.19	-237.29	0.31	457946.91	716510.68	N 32 16 0.27 W	103 45 59.94
	13922.00	89.56	178.72	10292.10	3695.51	-3691.14	-234.27	1.23	457851.96	716513.69	N 32 16 0.26 W	103 45 59.91
	14017.00	89.69	181.22	10292.72	3790.48	-3786.13	-234.22	2.64	457756.98	716513.74	N 32 16 0.25 W	103 45 59.92
	14206.00	89.63	181.34	10293.85	3979.47	-3975.08	-238.44	0.07	457568.04	716509.52	N 32 16 0.23 W	103 45 59.98
Enter Target Box 1	14215.00	89.68	181.34	10293.90	3988.47	-3984.08	-238.65	0.54	457559.04	716509.31	N 32 16 0.23 W	103 45 59.98
	14301.00	90.14	181.37	10294.04	4074.47	-4070.05	-240.69	0.54	457473.07	716507.28	N 32 16 0.23 W	103 46 0.01
	14396.00	89.32	180.63	10294.48	4169.47	-4165.03	-242.35	1.16	457378.10	716505.62	N 32 16 0.22 W	103 46 0.03
	14586.00	89.38	180.94	10296.64	4359.45	-4355.00	-244.95	0.17	457188.14	716503.02	N 32 16 0.20 W	103 46 0.08
	14775.00	89.73	180.89	10298.11	4548.44	-4543.97	-247.97	0.19	456999.18	716500.00	N 32 16 0.18 W	103 46 0.12
	14965.00	89.87	180.81	10298.77	4738.43	-4733.95	-250.78	0.08	456808.21	716497.18	N 32 16 0.16 W	103 46 0.17
	15155.00	89.28	180.16	10300.18	4928.40	-4923.94	-252.39	0.46	456618.24	716495.57	N 32 16 0.15 W	103 46 0.20
	15250.00	89.25	180.65	10301.40	5023.38	-5018.93	-253.06	0.52	456524.25	716494.90	N 32 16 0.14 W	103 46 0.21
	15345.00	89.56	180.58	10302.38	5118.37	-5113.92	-254.08	0.33	456429.27	716493.88	N 32 16 0.12 W	103 46 0.23
	15534.00	90.49	181.97	10302.30	5307.37	-5302.86	-258.29	0.88	456240.33	716489.68	N 32 16 0.10 W	103 46 0.29
	15724.00	90.31	180.22	10300.98	5497.35	-5492.82	-261.92	0.93	456050.39	716486.04	N 32 16 0.09 W	103 46 0.34
	15914.00	90.04	180.90	10300.40	5687.33	-5682.81	-263.78	0.39	455860.41	716484.19	N 32 16 0.08 W	103 46 0.38
	16009.00	90.69	181.01	10299.79	5782.33	-5777.79	-265.36	0.69	455765.43	716482.60	N 32 16 0.14 W	103 46 0.40
	16104.00	89.21	180.30	10299.87	5877.32	-5872.78	-266.45	1.73	455670.45	716481.52	N 32 16 0.20 W	103 46 0.42
	16199.00	89.69	178.85	10300.79	5972.27	-5967.77	-265.74	1.61	455575.46	716482.22	N 32 16 0.26 W	103 46 0.42
	16294.00	91.34	178.40	10299.93	6067.16	-6062.74	-263.46	1.80	455480.50	716484.50	N 32 16 0.32 W	103 46 0.40
	16389.00	90.97	178.24	10298.02	6162.01	-6157.68	-260.68	0.42	455385.57	716487.29	N 32 16 0.38 W	103 46 0.37
	16579.00	89.83	178.14	10296.69	6351.72	-6347.57	-254.68	0.60	455195.68	716493.29	N 32 16 0.50 W	103 46 0.31
	16674.00	90.62	178.94	10296.32	6446.61	-6442.54	-252.26	1.18	455100.72	716495.71	N 32 16 0.56 W	103 46 0.29
	16863.00	91.07	178.72	10293.53	6635.41	-6631.48	-248.40	0.27	454911.79	716499.57	N 32 16 0.57 W	103 46 0.26
	17053.00	91.10	178.19	10289.93	6825.14	-6821.38	-243.28	0.28	454721.91	716504.69	N 32 16 0.55 W	103 46 0.21
	17148.00	91.14	178.00	10288.07	6919.98	-6916.31	-240.12	0.20	454626.98	716507.85	N 32 16 0.54 W	103 46 0.18
	17243.00	90.3										

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 ° ' ")
	19805.00	90.11	179.38	10288.63	9575.51	-9572.47	-242.73	0.64	451970.97	716505.23	N 32 14 28.59 W 103 46 0.37	
	19900.00	90.11	180.12	10288.44	9670.48	-9667.47	-242.31	0.78	451875.98	716505.65	N 32 14 27.65 W 103 46 0.37	
	19995.00	90.21	180.20	10288.18	9765.46	-9762.46	-242.58	0.13	451780.99	716505.38	N 32 14 26.71 W 103 46 0.38	
	20090.00	90.69	179.98	10287.43	9860.43	-9857.46	-242.73	0.56	451686.00	716505.23	N 32 14 25.77 W 103 46 0.39	
	20185.00	90.52	179.94	10286.43	9955.40	-9952.46	-242.66	0.18	451591.01	716505.30	N 32 14 24.83 W 103 46 0.39	
	20280.00	90.31	179.98	10285.74	10050.37	-10047.45	-242.60	0.23	451496.02	716505.37	N 32 14 23.89 W 103 46 0.40	
	20375.00	90.90	180.17	10284.74	10145.34	-10142.45	-242.72	0.65	451401.03	716505.24	N 32 14 22.95 W 103 46 0.41	
100' FSL	20484.00	90.90	180.76	10283.03	10254.32	-10251.43	-243.61	0.54	451292.05	716504.36	N 32 14 21.87 W 103 46 0.42	
Crossing												
Final Survey	20515.00	90.90	180.93	10282.54	10285.31	-10282.42	-244.06	0.54	451261.06	716503.90	N 32 14 21.56 W 103 46 0.43	
Proj to TD	20562.00	90.90	180.93	10281.80	10332.31	-10329.41	-244.83	0.00	451214.07	716503.14	N 32 14 21.10 W 103 46 0.44	

Survey Type: Def Survey

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

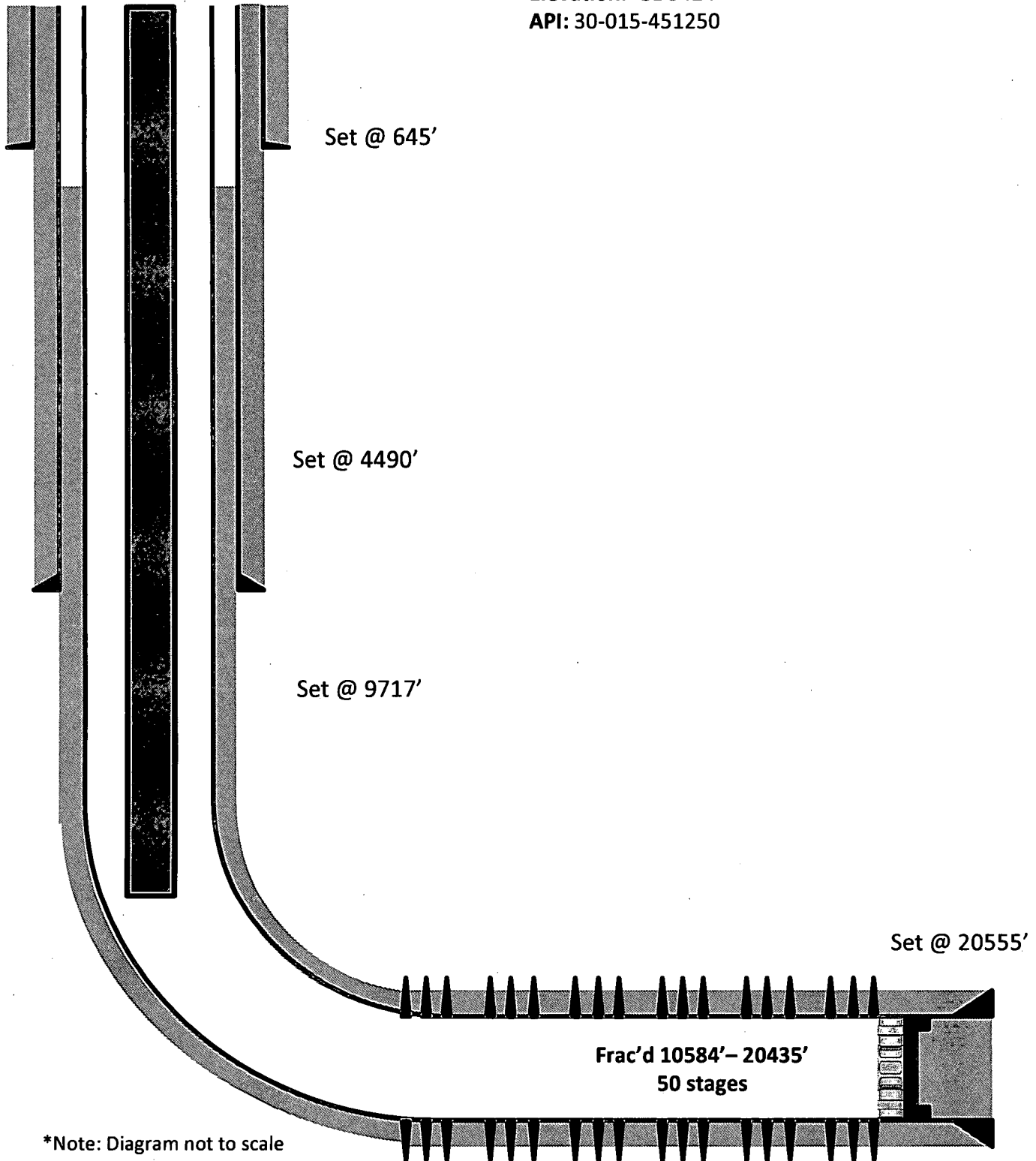
Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	1/98.425	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Platinum MDP1 34-3 Federal Com 7H Gyro + IFR 0-20562ft MD
	1	26.500	26.500	Act Stns	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Platinum MDP1 34-3 Federal Com 7H Gyro + IFR 0-20562ft MD
	1	26.500	589.500	Act Stns	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Platinum MDP1 34-3 Federal Com 7H Gyro
	1	589.500	20562.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS	Original Borehole / Oxy Platinum MDP1 34-3 Federal Com 7H Gyro



Platinum MDP1 34-3 Federal Com 7H Wellbore Diagram

Elevation: GL 3424'

API: 30-015-451250



PBTD - 20515' MD

TD - 20549 MD/10281'TVD