

RECEIVED

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)

JUL 05 2019

Schlumberger

DISTRICT II-ARTESIA O.C.D.

Well Reference:
2, 25 S, 29 E, Eddy NM
N 32.16463 W 103.96033

I, Diyar Kaky certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of January 26, 2019 through February 19, 2019, conduct or supervise the taking of the SlimPulse & Third Party Corrected surveys from a depth of 806.00 feet to a depth of 20575.00 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 Corral Fly 35-26 Federal Com 32H Well (Original Hole) API No. 3001544727 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
Diyar Kaky
FS



Subscribed and Sworn to before me this 25th day of February (month) 2019 (yr)

My Commission expires:

2-16-2022

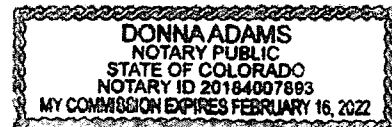
Notary Public

D. Adams

(signature)

(County State)

Adams County Colorado



Schlumberger

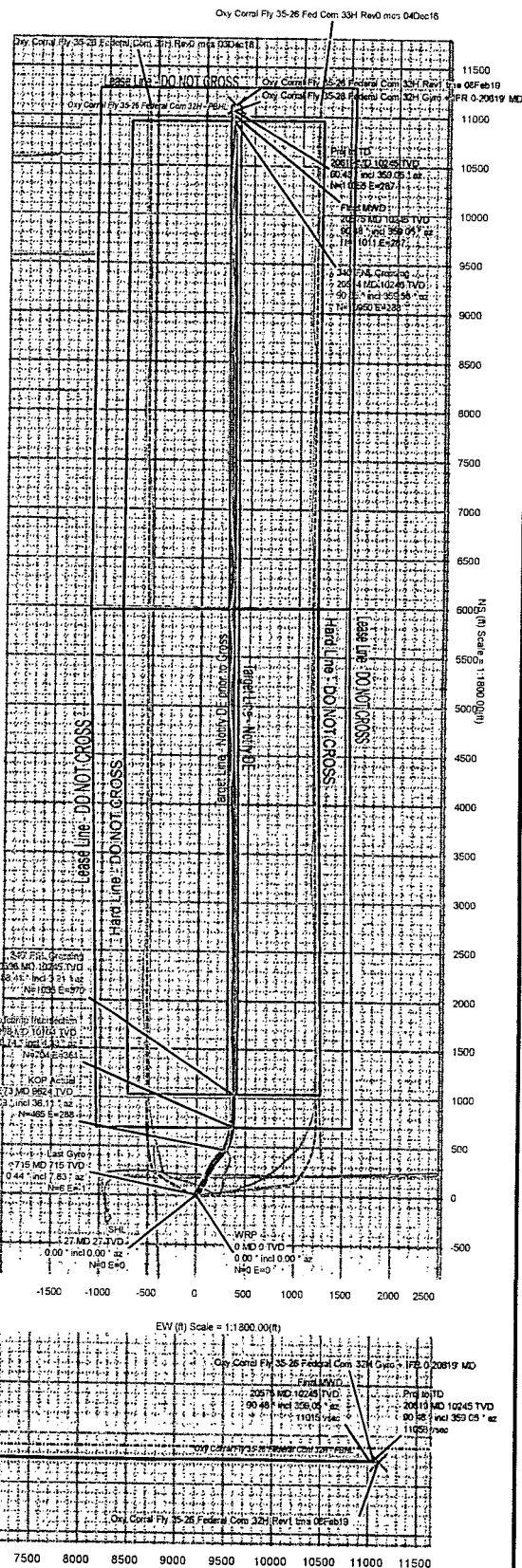
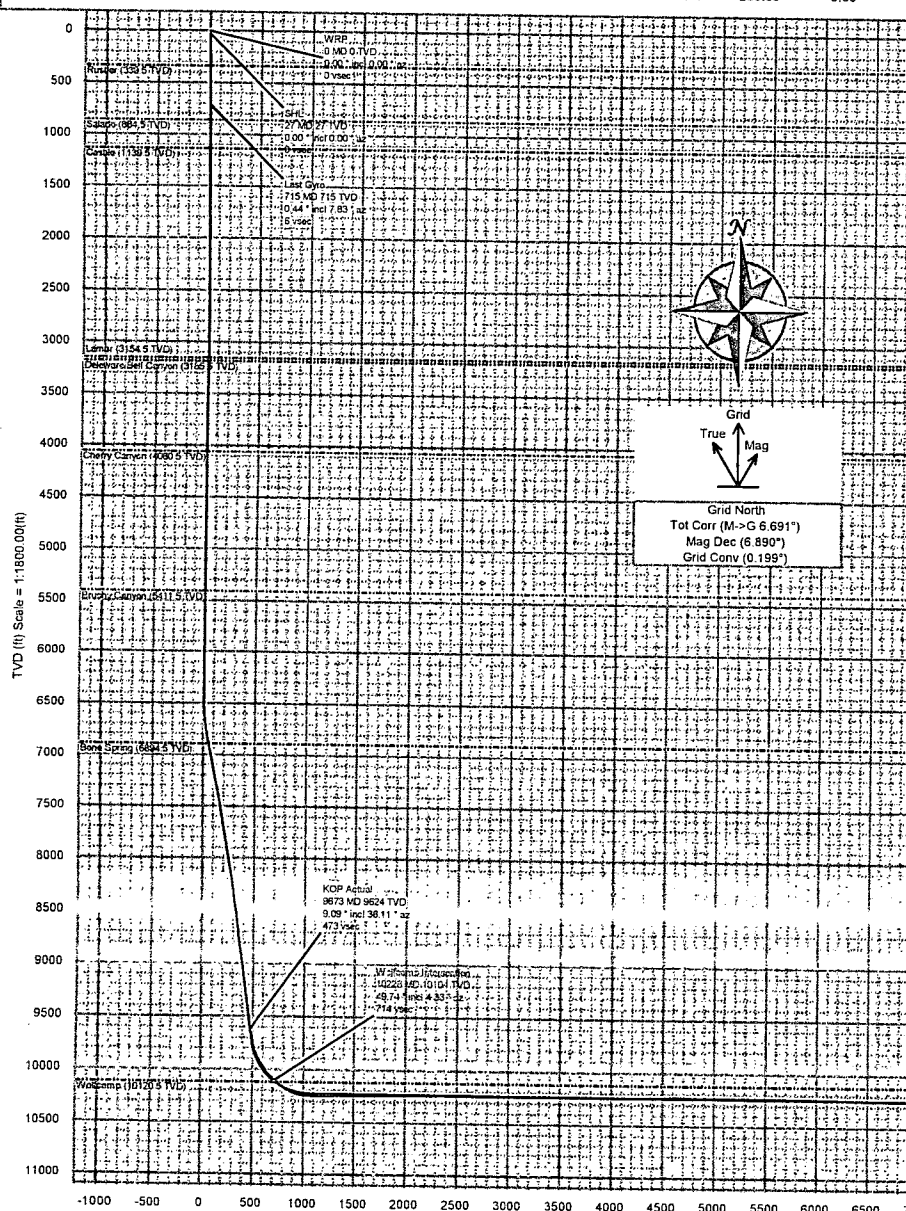
OXY



Borehole:		Well:	Field:	Structure:
Original Borehole		Oxy Corral Fly 35-26 Federal Com 32H	NM Eddy County (NAD 83)	Oxy Corral Fly 35-26 Federal Com 32H
Gravity & Magnetic Parameters			Surface Location	
Model: IFR1 Dip: 53.893° Date: 08-Feb-2019			NAD83 New Mexico State Plane, Eastern Zone, US Feet	
MagDec: 6.89° FS: 47922.3nT Gravity FS: 998.458mgm (9.80665 Based)			Miscellaneous	
			Lat: N 32 9 52.66 Northing: 423826.57RUS Grid Conv: 0.1986°	
			Lon: W 103 57 37.22 Easting: 656754.77RUS Scale Fact: 0.9992435	
			Slat: 35-26 Federal TVD Ref: RKB(3033.5ft above MSL)	
			Plan: Oxy Corral Fly 35-26 Federal Com 32H Gyro + IFR 0-20619' MD	

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	714.72	0.44	7.83	714.68	6.34	6.38	-1.32	0.23
KOP Actual	9673.00	9.09	36.11	9623.97	473.05	465.39	288.49	0.88
Wolfcamp Intersection	10227.85	49.74	4.33	10104.00	713.60	704.06	360.95	10.28
340' FSL Crossing	10596.00	88.41	3.21	10244.94	1044.64	1034.98	369.67	10.42
340' FNL Crossing	20514.00	90.85	359.58	10246.33	10953.58	10949.81	287.85	0.32
Final MWD	20575.00	90.48	359.05	10245.49	11014.54	11010.80	287.28	2.20
Proj to TD	20619.00	90.48	359.05	10245.12	11058.49	11054.79	286.55	0.00



Vertical Section (ft) Azim = 1.56° Scale = 1:1800.00(ft) Origin = 0N/-S, 0E/-W

Oxy Corral Fly 35-26 Federal Com 32H Gyro + IFR 0-20619' MD Survey Geodetic Report (Def Survey)



Report Date: February 21, 2019 - 08:24 AM
Client: OXY
Field: NM Eddy County (NAD 83)
Structure / Slot: Oxy Corral Fly 35-26 Federal Com 32H / Oxy Corral Fly 35-26 Federal Com 32H
Well: Oxy Corral Fly 35-26 Federal Com 32H
Borehole: Original Borehole
UWI / API#: Unknown / 30-015-44727
Survey Name: Oxy Corral Fly 35-26 Federal Com 32H Gyro + IFR 0-20619' MD
Survey Date: January 14, 2019
Tort / AHD / DDI / ERD Ratio: 200.406' / 11166.660 ft / 6.653 / 1.088
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 9' 52.85934", W 103° 57' 37.21816"
Location Grid N/E Y/X: N 423826.570 RUS, E 656754.770 RUS
CRS Grid Convergence Angle: 0.1986°
Grid Scale Factor: 0.99992435
Version / Patch: 2.10.753.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 1.556° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3039.600 ft above MSL
Seabed / Ground Elevation: 3013.100 ft above MSL
Magnetic Declination: 6.890°
Total Gravity Field Strength: 998.4578mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47922.300 nT
Magnetic Dip Angle: 59.889°
Declination Date: February 08, 2019
Magnetic Declination Model: IFR1
North Reference: Grid North
Grid Convergence Used: 0.1986°
Total Corr Mag North->Grid North: 6.6914°
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	423826.57	656754.77	N 32° 9' 52.86"	W 103° 57' 37.22"
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	423826.57	656754.77	N 32° 9' 52.86"	W 103° 57' 37.22"
	326.60	0.73	346.37	326.59	1.84	1.86	-0.45	0.24	423828.43	656754.32	N 32° 9' 52.68"	W 103° 57' 37.22"
	358.13	0.77	346.84	358.12	2.24	2.26	-0.55	0.13	423828.83	656754.22	N 32° 9' 52.68"	W 103° 57' 37.22"
	452.65	0.81	343.32	452.63	3.49	3.52	-0.88	0.07	423830.09	656753.89	N 32° 9' 52.69"	W 103° 57' 37.23"
	547.21	0.68	347.35	547.18	4.67	4.71	-1.20	0.15	423831.28	656753.57	N 32° 9' 52.71"	W 103° 57' 37.23"
	641.70	0.58	357.11	641.67	5.69	5.73	-1.34	0.15	423832.30	656753.43	N 32° 9' 52.72"	W 103° 57' 37.23"
	714.72	0.44	7.83	714.68	6.34	6.38	-1.32	0.23	423832.95	656753.45	N 32° 9' 52.72"	W 103° 57' 37.23"
	806.00	0.14	357.52	805.96	6.80	6.84	-1.28	0.33	423833.41	656753.49	N 32° 9' 52.73"	W 103° 57' 37.23"
	891.00	0.12	305.49	890.96	7.13	7.17	-1.45	0.06	423833.74	656753.32	N 32° 9' 52.73"	W 103° 57' 37.23"
	1175.00	0.12	188.90	1174.96	7.05	7.10	-1.64	0.11	423833.67	656753.13	N 32° 9' 52.73"	W 103° 57' 37.24"
	1365.00	0.10	342.91	1364.96	7.01	7.06	-1.72	0.11	423833.63	656753.05	N 32° 9' 52.73"	W 103° 57' 37.24"
	1549.00	0.12	255.48	1548.96	7.11	7.16	-1.95	0.08	423833.73	656752.82	N 32° 9' 52.73"	W 103° 57' 37.24"
	1738.00	0.12	232.27	1737.96	6.93	6.99	-2.30	0.03	423833.56	656752.47	N 32° 9' 52.73"	W 103° 57' 37.24"
	1927.00	0.10	220.67	1926.96	6.67	6.75	-2.56	0.02	423833.32	656752.21	N 32° 9' 52.73"	W 103° 57' 37.25"
	2022.00	0.07	105.88	2021.96	6.60	6.67	-2.56	0.15	423833.24	656752.21	N 32° 9' 52.73"	W 103° 57' 37.25"
	2210.00	0.09	324.18	2209.96	6.68	6.76	-2.54	0.08	423833.32	656752.23	N 32° 9' 52.73"	W 103° 57' 37.25"
	2305.00	0.10	107.55	2304.96	6.72	6.79	-2.50	0.19	423833.36	656752.27	N 32° 9' 52.73"	W 103° 57' 37.25"
	2399.00	0.10	220.92	2398.96	6.63	6.70	-2.48	0.18	423833.27	656752.29	N 32° 9' 52.73"	W 103° 57' 37.25"
	2494.00	0.10	340.61	2493.96	6.65	6.72	-2.56	0.18	423833.29	656752.21	N 32° 9' 52.73"	W 103° 57' 37.25"
	2683.00	0.10	50.51	2682.96	6.91	6.98	-2.48	0.06	423833.55	656752.29	N 32° 9' 52.73"	W 103° 57' 37.25"
	2777.00	0.12	124.10	2776.96	6.91	6.98	-2.34	0.14	423833.55	656752.43	N 32° 9' 52.73"	W 103° 57' 37.25"
	2871.00	0.13	93.79	2870.96	6.85	6.91	-2.15	0.07	423833.48	656752.62	N 32° 9' 52.73"	W 103° 57' 37.24"
	2966.00	0.12	115.89	2965.96	6.81	6.86	-1.96	0.05	423833.43	656752.82	N 32° 9' 52.73"	W 103° 57' 37.24"
	3060.00	0.07	240.84	3059.96	6.74	6.79	-1.92	0.18	423833.36	656752.85	N 32° 9' 52.73"	W 103° 57' 37.24"
	3155.00	0.09	268.94	3154.96	6.71	6.76	-2.04	0.05	423833.33	656752.73	N 32° 9' 52.73"	W 103° 57' 37.24"
	3249.00	0.12	111.32	3248.96	6.67	6.73	-2.02	0.22	423833.30	656752.75	N 32° 9' 52.73"	W 103° 57' 37.24"
	3343.00	0.07	270.50	3342.96	6.63	6.69	-1.99	0.20	423833.26	656752.78	N 32° 9' 52.73"	W 103° 57' 37.24"
	3438.00	0.12	230.54	3437.96	6.57	6.63	-2.12	0.08	423833.20	656752.65	N 32° 9' 52.73"	W 103° 57' 37.24"
	3532.00	0.20	244.66	3531.96	6.43	6.50	-2.35	0.09	423833.07	656752.42	N 32° 9' 52.72"	W 103° 57' 37.24"
	3721.00	0.10	185.72	3720.96	6.12	6.19	-2.66	0.09	423832.76	656752.11	N 32° 9' 52.72"	W 103° 57' 37.25"
	3909.00	0.12	59.48	3908.96	6.06	6.13	-2.51	0.10	423832.70	656752.26	N 32° 9' 52.72"	W 103° 57' 37.25"
	4004.00	0.10	158.72	4003.96	6.03	6.10	-2.39	0.18	423832.67	656752.38	N 32° 9' 52.72"	W 103° 57' 37.25"
	4193.00	0.09	53.88	4192.96	5.97	6.03	-2.21	0.08	423832.60	656752.56	N 32° 9' 52.72"	W 103° 57' 37.25"
	4287.00	0.12	165.12	4286.96	5.92	5.98	-2.13	0.19	423832.55	656752.64	N 32° 9' 52.72"	W 103° 57' 37.24"
	4476.00	0.10	359.67	4475.96	5.90	5.96	-2.08	0.12	423832.53	656752.69	N 32° 9' 52.72"	W 103° 57' 37.24"
	4570.00	0.07	141.64	4569.96	5.94	5.99	-2.04	0.17	423832.56	656752.73	N 32° 9' 52.72"	W 103° 57' 37.24"
	4758.00	0.10	192.64	4757.96	5.69	5.74	-2.01	0.04	423832.31	656752.76	N 32° 9' 52.71"	W 103° 57' 37.24"
	4853.00	0.10	221.41	4852.96	5.54	5.60	-2.08	0.05	423832.17	656752.69	N 32° 9' 52.71"	W 103° 57' 37.24"
	4947.00	0.07	67.51	4946.96	5.50	5.56	-2.08	0.18	423832.13	656752.69	N 32° 9' 52.71"	W 103° 57' 37.24"
	5041.00	0.10	123.60	5040.96	5.48	5.54	-1.96	0.09	423832.11	656752.81	N 32° 9' 52.71"	W 103° 57' 37.24"
	5136.00	0.07	334.03	5135.96	5.49	5.54	-1.92	0.17	423832.11	656752.85	N 32° 9' 52.71"	W 103° 57' 37.24"
	5230.00	0.07	126.93	5229.96	5.51	5.56	-1.90	0.14	423832.13	656752.87	N 32° 9' 52.71"	W 103° 57' 37.24"
	5419.00	0.10	164.27	5418.96	5.28	5.33	-1.76	0.03	423831.90	656753.01	N 32° 9' 52.71"	W 103° 57' 37.24"
	5513.00	0.10	24.23	5512.96	5.28	5.33	-1.70	0.20	423831.90	656753.07	N 32° 9' 52.71"	W 103° 57' 37.24"
	5607.00	0.09	268.34	5606.96	5.35	5.40	-1.74	0.17	423831.87	656753.03	N 32° 9' 52.71"	W 103° 57' 37.24"
	5702.00	0.07	218.91	5701.96	5.30	5.35	-1.86	0.07	423831.92	656752.91	N 32° 9' 52.71"	W 103° 57' 37.24"
	5796.00	0.10	34.27	5795.96	5.32	5.38	-1.85	0.18	423831.95	656752.92	N 32° 9' 52.71"	W 103° 57' 37.24"
	5890.00	0.07	332.87	5889.96	5.44	5.50	-1.83	0.10	423832.07	656752.94	N 32° 9' 52.71"	W 103° 57' 37.24"
	5985.00	0.10	148.49	5984.96	5.43	5.48	-1.81	0.18	423832.05	656752.96	N 32° 9' 52.71"	W 103° 57' 37.24"
	6079.00	0.07	5.26	6078.96	5.41	5.46	-1.76	0.17	423832.03	656753.01	N 32° 9' 52.71"	W 103° 57' 37.24"
	6173.00	0.10	142.86	6172.96	5.41	5.46	-1.71	0.17	423832.03	656753.06	N 32° 9' 52.71"	W 103° 57' 37.24"
	6363.00	0.10	205.29	6362.96	5.13	5.17	-1.68	0.05	423831.74	656753.09	N 32° 9' 52.71"	W 103° 57' 37.24"
	6457.00	0.07	161.39	6456.96	5.00	5.04	-1.69	0.07	423831.74	656753.08	N 32° 9' 52.71"	W 103° 57' 37.24"
	6552.00	2.93	38.52	6551.92	6.88	6.89	-0.16	3.12	423833.46	656754.61	N 32° 9' 52.73"	W 103° 57' 37.22"
	6740.00	9.94	36.83	6738.61	23.99	23.66	12.57	3.73	423860.23	656767.34	N 32° 9' 52.89"	W 103° 57' 37.07"
	6834.00	12.54	35.32	6830.80	39.10	38.48	23.34	2.78	423865.05	656778.11	N 32° 9' 53.04"	W 103° 57' 36.95"
	6929.00	12.61	32.37	6923.53	56.58	55.65	34.85	0.68	423882.22	656789.62	N 32° 9' 53.21"	W 103° 57' 36.81"
	7023.00	12.40	29.45	7015.30	74.31	73.11	45.31	0.71	423899.67	656800.07	N 32° 9' 53.38"	W 103° 57' 36.69"
	7118.00	12.35	28.65	7108.09	92.37	90.91	55.19	0.19	423917.47	656809.96	N 32° 9' 53.56"	W 103° 57' 36.57"
	7212.00	11.67	26.90	7200.03	109.91	108.21	64.31	0.82	423934.77	656819.08	N 32° 9' 53.73"	W 103° 57' 36.47"
	7401.00	12.24	28.13	7384.93	145.11	142.92	82.41	0.33	423969.48	656837.17	N 32° 9' 54.07"	W 103° 57' 36.25"
	7495.00	10.53	29.04	7477.08	161.64	159.22	91.28	1.83	423985.78	656846.04	N 32° 9' 54.23"	W 103° 57' 36.15"
	7684.00	9.74	24.83	7663.13	191.65	188.83	106.37	0.57	424015.38	656861.14	N 32° 9' 54.52"	W 103° 57' 35.97"
	7779.00	9.47	23.56	7756.80	206.28	203.29	112.87	0.36	424029.84	656867.63	N 32° 9' 54.67"	W 103° 57' 35.90"
	7873.00	10.24	25.21	7849.41	221.10	217.93	119.52	0.87	424044.49	656874.28	N 32° 9' 54.81"	W 103° 57' 35.82"
	8062.00	10.33	26.97	8035.38	251.79	248.24	134.36	0.17	424074.79	656889.12	N 32° 9' 55.11"	W 103° 57' 35.65"
	8156.00	9.72	28.01	8127.94	266.51	262.75	141.91	0.68	424088.30	656896.67	N 32° 9' 55.25"	W 103° 57' 35.56"
	8250.00	9.84	26.48	8220.57	280.90	276.95	149.22	0.31	424103.50	656903.98	N 32° 9' 55.39"	W 103° 57' 35.47"
	8345.00	9.75	24.54	8314.19	295.67	291.53	156.18	0.36	424118.08	656910.93	N 32° 9' 55.54"	W 103° 57' 35.39"
	8439.00	9.84	30.18	8406.82	310.05	305.72	163.52	1.02	424132.26	656918.28	N 32° 9' 55.68"	W 103° 57' 35.30"
	8534.00	9.88	27.64	8500.42	324.49	319.96	171.38	0.46	424146.50	656926.14	N 32° 9' 55.82"	W 103° 57' 35

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	9194.00	9.31	38.46	9151.20	412.06	405.69	239.91	0.78	424232.23	656994.66	N 32° 9' 56.77 W	103° 57' 34.41
	9289.00	9.48	41.43	9244.93	424.20	417.57	249.87	0.54	424244.11	657004.62	N 32° 9' 56.78 W	103° 57' 34.29
	9383.00	9.69	39.10	9337.62	436.42	429.52	259.98	0.47	424256.05	657014.73	N 32° 9' 56.90 W	103° 57' 34.18
	9459.00	9.63	38.86	9412.54	446.55	439.43	268.00	0.10	424265.97	657022.75	N 32° 9' 57.00 W	103° 57' 34.08
	9579.00	8.39	38.96	9531.06	461.48	454.05	279.81	1.03	424280.59	657034.55	N 32° 9' 57.14 W	103° 57' 33.94
	9673.00	9.09	36.11	9623.97	473.05	465.39	288.49	0.88	424291.92	657043.24	N 32° 9' 57.25 W	103° 57' 33.84
	9768.00	12.30	27.74	9717.31	488.31	480.41	297.63	3.75	424306.94	657052.38	N 32° 9' 57.40 W	103° 57' 33.74
	9863.00	20.42	21.83	9808.39	512.98	504.79	308.52	8.71	424331.32	657063.27	N 32° 9' 57.64 W	103° 57' 33.61
	9958.00	27.66	21.12	9895.10	549.35	540.79	322.65	7.63	424367.32	657077.39	N 32° 9' 58.00 W	103° 57' 33.44
	10052.00	36.30	17.91	9974.76	596.71	587.71	339.10	9.36	424414.24	657093.84	N 32° 9' 58.46 W	103° 57' 33.25
Wolfcamp Intersection	10147.00	42.70	10.47	10048.07	655.61	646.24	353.62	8.37	424472.76	657108.37	N 32° 9' 59.04 W	103° 57' 33.08
	10227.85	49.74	4.33	10104.00	713.60	704.06	360.95	10.28	424530.58	657115.69	N 32° 9' 59.61 W	103° 57' 32.99
	10242.00	51.00	3.39	10113.03	724.49	714.94	361.68	10.28	424541.45	657116.42	N 32° 9' 59.72 W	103° 57' 32.98
	10336.00	56.33	3.69	10168.70	800.14	790.49	366.36	5.68	424616.99	657121.10	N 32° 10' 0.47 W	103° 57' 32.92
	10431.00	67.28	358.79	10213.54	883.70	874.03	367.98	12.39	424700.54	657122.73	N 32° 10' 1.30 W	103° 57' 32.90
	10525.00	81.55	0.43	10238.73	973.96	964.34	367.41	15.27	424790.83	657122.16	N 32° 10' 2.19 W	103° 57' 32.91
	10596.00	88.41	3.21	10244.94	1044.64	1034.98	369.67	10.42	424861.47	657124.41	N 32° 10' 2.88 W	103° 57' 32.88
	10620.00	90.73	4.14	10245.12	1068.62	1058.93	371.21	10.42	424885.42	657125.95	N 32° 10' 3.12 W	103° 57' 32.86
	10704.00	90.24	4.86	10244.41	1152.50	1142.67	377.80	1.04	424969.15	657132.54	N 32° 10' 3.95 W	103° 57' 32.78
	10797.00	90.79	1.08	10243.57	1245.45	1235.52	382.61	4.11	425061.99	657137.35	N 32° 10' 4.87 W	103° 57' 32.72
340° FSL Crossing	10891.00	90.58	1.09	10242.45	1339.44	1329.50	384.39	0.22	425155.96	657139.13	N 32° 10' 5.80 W	103° 57' 32.69
	10985.00	90.21	1.36	10241.80	1433.44	1423.47	386.40	0.49	425249.93	657141.14	N 32° 10' 6.73 W	103° 57' 32.67
	11080.00	90.27	2.20	10241.40	1528.44	1518.43	389.35	0.89	425344.88	657144.09	N 32° 10' 7.67 W	103° 57' 32.63
	11175.00	90.34	2.14	10240.90	1623.43	1613.36	392.95	0.10	425439.80	657147.69	N 32° 10' 8.61 W	103° 57' 32.58
	11270.00	90.34	1.58	10240.33	1718.43	1708.30	396.03	0.59	425534.74	657150.77	N 32° 10' 9.55 W	103° 57' 32.54
	11364.00	91.37	0.35	10238.93	1812.41	1802.28	397.62	1.71	425628.71	657152.36	N 32° 10' 10.48 W	103° 57' 32.52
	11459.00	90.27	359.48	10237.57	1907.36	1897.26	397.48	1.48	425723.69	657152.22	N 32° 10' 11.42 W	103° 57' 32.52
	11553.00	89.41	358.98	10237.83	2001.28	1991.25	396.21	1.06	425817.67	657150.95	N 32° 10' 12.35 W	103° 57' 32.53
	11648.00	90.51	359.81	10237.90	2096.21	2086.25	395.21	1.45	425912.66	657149.95	N 32° 10' 13.29 W	103° 57' 32.54
	11743.00	90.31	359.89	10237.22	2191.16	2181.24	394.96	0.23	426007.65	657149.70	N 32° 10' 14.23 W	103° 57' 32.54
	11837.00	90.31	358.93	10236.71	2285.10	2275.24	393.99	1.02	426101.63	657148.73	N 32° 10' 15.16 W	103° 57' 32.54
	11932.00	89.69	359.39	10236.71	2380.01	2370.23	392.60	0.81	426196.61	657147.34	N 32° 10' 16.10 W	103° 57' 32.56
	12026.00	89.86	358.88	10237.08	2473.93	2464.21	391.18	0.57	426290.59	657145.92	N 32° 10' 17.03 W	103° 57' 32.57
	12120.00	90.31	0.06	10236.94	2567.86	2558.21	390.31	1.34	426384.58	657145.05	N 32° 10' 17.96 W	103° 57' 32.57
	12215.00	89.83	359.09	10236.83	2662.83	2653.21	390.41	0.51	426479.57	657145.15	N 32° 10' 18.90 W	103° 57' 32.57
	12309.00	89.72	359.69	10237.20	2756.77	2747.20	389.71	1.04	426573.56	657144.45	N 32° 10' 19.83 W	103° 57' 32.57
	12404.00	89.59	359.64	10237.77	2851.70	2842.20	388.66	0.59	426668.54	657143.40	N 32° 10' 20.77 W	103° 57' 32.58
	12498.00	89.93	359.66	10238.16	2945.65	2936.19	388.09	0.36	426762.53	657142.83	N 32° 10' 21.70 W	103° 57' 32.58
	12593.00	89.76	359.40	10238.42	3040.59	3031.19	387.31	0.33	426857.52	657142.05	N 32° 10' 22.64 W	103° 57' 32.59
	12687.00	90.21	359.19	10238.44	3134.51	3125.18	386.15	0.53	426951.51	657140.89	N 32° 10' 23.57 W	103° 57' 32.60
	12787.00	89.83	357.15	10238.38	3224.17	3215.07	380.08	1.09	427141.39	657134.82	N 32° 10' 25.45 W	103° 57' 32.66
	13066.00	89.79	357.55	10239.00	3512.66	3503.87	371.35	0.21	427330.17	657126.09	N 32° 10' 27.32 W	103° 57' 32.76
	13255.00	90.00	358.14	10239.35	3701.26	3692.74	364.24	0.33	427519.02	657118.98	N 32° 10' 29.19 W	103° 57' 32.83
	13350.00	90.31	357.79	10239.09	3796.08	3787.68	360.87	0.49	427613.95	657115.61	N 32° 10' 30.13 W	103° 57' 32.87
	13444.00	89.65	356.49	10239.13	3889.80	3881.56	356.18	1.55	427707.82	657110.92	N 32° 10' 31.06 W	103° 57' 32.92
	13539.00	89.62	357.80	10239.73	3984.51	3976.43	351.44	1.38	427802.70	657108.19	N 32° 10' 31.99 W	103° 57' 32.97
	13633.00	90.24	357.35	10239.08	4078.28	4070.35	347.47	0.81	427896.60	657102.21	N 32° 10' 32.92 W	103° 57' 33.01
	13727.00	90.69	357.13	10239.08	4172.01	4164.24	342.94	0.53	427990.48	657097.68	N 32° 10' 33.85 W	103° 57' 33.06
	13822.00	90.82	357.21	10237.83	4266.73	4259.11	338.25	0.16	428085.35	657092.99	N 32° 10' 34.79 W	103° 57' 33.11
	14012.00	90.72	357.46	10235.28	4456.19	4448.89	329.42	1.04	428275.11	657084.16	N 32° 10' 36.67 W	103° 57' 33.21
	14108.00	91.00	358.43	10233.84	4551.99	4544.82	325.97	0.15	428371.03	657080.72	N 32° 10' 37.62 W	103° 57' 33.24
	14202.00	89.79	0.30	10233.19	4645.91	4638.80	324.93	2.37	428465.01	657079.68	N 32° 10' 38.55 W	103° 57' 33.25
	14297.00	89.04	359.51	10234.16	4740.87	4733.00	324.78	1.15	428560.00	657079.52	N 32° 10' 39.49 W	103° 57' 33.25
	14391.00	89.65	358.88	10235.23	4834.78	4827.78	323.46	0.93	428653.97	657078.20	N 32° 10' 40.42 W	103° 57' 33.26
	14487.00	90.07	0.48	10235.47	4930.73	4923.77	322.92	1.72	428749.96	657077.66	N 32° 10' 41.37 W	103° 57' 33.26
	14582.00	89.72	0.44	10235.64	5025.71	5018.77	323.68	0.37	428844.95	657078.43	N 32° 10' 42.31 W	103° 57' 33.25
	14677.00	89.96	359.88	10235.91	5120.68	5113.77	323.95	0.64	428939.94	657078.69	N 32° 10' 43.25 W	103° 57' 33.24
	14771.00	90.24	0.21	10235.74	5214.65	5207.77	324.02	0.46	429033.93	657078.77	N 32° 10' 44.18 W	103° 57' 33.24
	14866.00	89.90	358.65	10235.63	5309.58	5302.76	323.08	1.68	429128.92	657077.82	N 32° 10' 45.12 W	103° 57' 33.25
	14959.00	90.07	359.84	10235.65	5402.50	5395.75	321.85	1.29	429221.90	657076.60	N 32° 10' 46.04 W	103° 57' 33.26
	15054.00	89.86	359.97	10235.71	5497.46	5490.75	321.69	0.26	429316.89	657076.44	N 32° 10' 46.98 W	103° 57' 33.25
	15147.00	89.76	359.34	10236.02	5590.41	5583.75	321.13	0.69	429409.88	657075.88	N 32° 10' 47.90 W	103° 57' 33.26
	15241.00	89.55	359.75	10236.58	5684.35	5677.74	320.39	0.49	429503.87	657075.13	N 32° 10' 48.83 W	103° 57' 33.26
	15336.00	89.28	359.66	10237.55	5779.29	5772.74	319.90	0.30	429598.86	657074.64	N 32° 10' 49.77 W	103°

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 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	Act Stns	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Corral Fly 35-26 Federal Com 32H Gyro + IFR 0-20619' MD
	1	26.500	326.600	1/98.425	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Corral Fly 35-26 Federal Com 32H Gyro +
	1	326.600	714.720	Act Stns	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Corral Fly 35-26 Federal Com 32H Gyro +
	1	714.720	20619.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS	Original Borehole / Oxy Corral Fly 35-26 Federal Com 32H Gyro +

...Original Borehole\Oxy Corral Fly 35-26 Federal Com 32H Gyro + IFR 0-20619' MD