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Schlumberger

Oxy Corral Canyon 36-25 Fed Com 36H Gyro + MWD 0-21233'MD Survey Geodetic Report (Def Survey)



30-015-44646

Report Date: November 07, 2018 - 12:35 PM
Client: OXY
Field: NM Eddy County (NAD 83)
Structure / Slot: Oxy Corral Canyon 36-25 Fed Com 36H / Oxy Corral Canyon 36-25 Fed Com 36H
Well: Corral Canyon 36-25 Fed Com 36H
Borehole: Original Borehole
UWM / API#: Unknown / Unknown
Survey Name: Oxy Corral Canyon 36-25 Fed Com 36H Gyro + MWD 0-21233'MD
Survey Date: October 10, 2018
Tort / AHD / DDI / ERO Ratio: 248.215' / 11833.178 N / 6.772 / 1.123
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 9' 48.57478", W 103° 56' 0.15888"
Location Grid N/E Y/R: N 423443.780 RUS, E 665098.980 RUS
CRS Grid Convergence Angle: 0.2129°
Grid Scale Factor: 0.99992683
Version / Patch: 2.10.740.0
Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 3.900° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3159.700 ft above MSL
Seabed / Ground Elevation: 3133.200 ft above MSL
Magnetic Declination: 6.892°
Total Gravity Field Strength: 998.4450mg (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47958.600 nT
Magnetic Dip Angle: 59.891°
Declination Date: October 10, 2018
Magnetic Declination Model: IFR1
North Reference: Grid North
Grid Convergence Used: 0.2129°
Total Corr Mag North-Grid: 6.679°
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azin 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	423443.78	665098.98	N 32° 9' 48.57" W 103° 56' 0.16"	0.16
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	423443.78	665098.98	N 32° 9' 48.57" W 103° 56' 0.16"	0.16
	69.88	0.63	100.34	69.88	-0.03	-0.04	0.23	1.45	423443.74	665099.21	N 32° 9' 48.57" W 103° 56' 0.16"	0.16
	156.86	0.77	106.23	156.85	-0.21	-0.29	1.27	0.18	423443.49	665100.25	N 32° 9' 48.57" W 103° 56' 0.14"	0.14
	244.87	0.27	107.44	244.86	-0.38	-0.52	2.03	0.57	423443.28	665101.01	N 32° 9' 48.57" W 103° 56' 0.14"	0.14
	336.05	0.21	75.64	336.04	-0.38	-0.54	2.40	0.18	423443.24	665101.38	N 32° 9' 48.57" W 103° 56' 0.13"	0.13
	430.82	0.30	191.19	430.81	-0.57	-0.74	2.52	0.48	423443.04	665101.50	N 32° 9' 48.57" W 103° 56' 0.13"	0.13
	525.26	0.44	191.97	525.25	-1.17	-1.34	2.40	0.15	423442.44	665101.37	N 32° 9' 48.56" W 103° 56' 0.13"	0.13
	596.50	0.69	190.83	596.48	-1.87	-2.03	2.26	0.35	423441.75	665101.24	N 32° 9' 48.55" W 103° 56' 0.13"	0.13
	697.00	0.48	252.49	696.98	-2.63	-2.75	1.74	0.62	423441.03	665100.72	N 32° 9' 48.55" W 103° 56' 0.14"	0.14
	791.00	1.04	190.83	790.97	-3.82	-3.71	1.21	0.98	423440.07	665100.19	N 32° 9' 48.54" W 103° 56' 0.14"	0.14
	885.00	0.13	209.75	884.96	-4.56	-4.64	1.00	0.85	423439.14	665099.98	N 32° 9' 48.53" W 103° 56' 0.15"	0.15
	978.00	0.08	358.65	975.96	-4.59	-4.66	0.95	0.22	423439.12	665099.93	N 32° 9' 48.53" W 103° 56' 0.15"	0.15
	1070.00	0.03	208.56	1069.96	-4.35	-4.62	0.83	0.11	423439.16	665099.91	N 32° 9' 48.53" W 103° 56' 0.16"	0.16
	1164.00	0.07	76.52	1163.98	-4.55	-4.83	0.98	0.10	423439.15	665099.90	N 32° 9' 48.53" W 103° 56' 0.15"	0.15
	1258.00	0.02	122.78	1257.98	-4.54	-4.83	1.05	0.06	423439.16	665100.03	N 32° 9' 48.53" W 103° 56' 0.15"	0.15
	1352.00	0.16	30.97	1351.96	-4.43	-4.52	1.13	0.17	423439.26	665100.11	N 32° 9' 48.53" W 103° 56' 0.15"	0.15
	1540.00	0.18	319.40	1539.96	-4.01	-4.10	1.09	0.10	423439.68	665100.07	N 32° 9' 48.53" W 103° 56' 0.15"	0.15
	1634.00	0.39	356.02	1633.96	-3.60	-3.68	0.99	0.30	423440.10	665099.67	N 32° 9' 48.54" W 103° 56' 0.15"	0.15
	1824.00	0.12	336.06	1823.96	-2.79	-2.85	0.86	0.15	423440.93	665099.84	N 32° 9' 48.54" W 103° 56' 0.15"	0.15
	1919.00	0.20	115.71	1918.96	-2.70	-2.83	0.97	0.32	423440.95	665099.95	N 32° 9' 48.55" W 103° 56' 0.15"	0.15
	2013.00	0.08	87.01	2012.96	-2.81	-2.90	1.18	0.14	423440.88	665100.16	N 32° 9' 48.55" W 103° 56' 0.15"	0.15
	2108.00	0.04	172.77	2107.96	-2.84	-2.93	1.25	0.09	423440.85	665100.23	N 32° 9' 48.55" W 103° 56' 0.14"	0.14
	2202.00	0.05	131.78	2201.96	-2.90	-2.99	1.29	0.03	423440.79	665100.27	N 32° 9' 48.55" W 103° 56' 0.14"	0.14
	2297.00	0.11	136.71	2296.90	-2.98	-3.08	1.38	0.06	423440.70	665100.36	N 32° 9' 48.54" W 103° 56' 0.14"	0.14
	2391.00	0.09	129.55	2390.96	-3.09	-3.20	1.50	0.03	423440.58	665100.48	N 32° 9' 48.54" W 103° 56' 0.14"	0.14
	2486.00	0.13	91.46	2485.96	-3.13	-3.25	1.67	0.09	423440.53	665100.65	N 32° 9' 48.54" W 103° 56' 0.14"	0.14
	2580.00	0.51	71.67	2579.96	-2.96	-3.12	2.17	0.41	423440.66	665101.15	N 32° 9' 48.54" W 103° 56' 0.13"	0.13
	2675.00	1.94	84.67	2674.93	-2.55	-2.84	4.17	1.52	423440.94	665103.15	N 32° 9' 48.55" W 103° 56' 0.11"	0.11
	2769.00	2.88	87.50	2768.85	-2.44	-3.00	8.10	1.15	423440.78	665107.08	N 32° 9' 48.54" W 103° 56' 0.08"	0.08
	2870.00	0.94	103.38	2869.79	-2.74	-3.52	11.42	1.93	423440.26	665110.40	N 32° 9' 48.54" W 103° 56' 0.03"	0.03
	2964.00	0.61	139.69	2963.78	-3.22	-4.08	12.49	0.61	423439.70	665111.47	N 32° 9' 48.53" W 103° 56' 0.01"	0.01
	3059.00	1.52	144.82	3058.76	-4.56	-5.50	13.55	0.96	423438.28	665112.53	N 32° 9' 48.52" W 103° 56' 0.00"	0.00
	3153.00	0.55	140.77	3152.75	-3.86	-4.87	14.55	1.03	423436.81	665113.53	N 32° 9' 48.51" W 103° 55' 59.99"	0.00
	3248.00	0.06	159.95	3247.75	-6.21	-7.24	14.86	0.52	423436.54	665113.66	N 32° 9' 48.50" W 103° 55' 59.99"	0.00
	3342.00	0.09	186.67	3341.75	-6.20	-7.33	14.95	0.07	423436.45	665113.92	N 32° 9' 48.50" W 103° 55' 59.99"	0.00
	3437.00	0.08	140.52	3436.75	-6.43	-7.46	15.01	0.04	423436.32	665113.99	N 32° 9' 48.50" W 103° 55' 59.98"	0.00
	3532.00	0.09	314.26	3531.75	-6.44	-7.47	15.00	0.10	423436.31	665113.98	N 32° 9' 48.50" W 103° 55' 59.98"	0.00
	3626.00	0.10	43.02	3625.75	-6.32	-7.36	15.00	0.14	423436.42	665113.98	N 32° 9' 48.50" W 103° 55' 59.98"	0.00
	3721.00	0.09	237.98	3720.75	-6.30	-7.34	14.99	0.20	423436.44	665113.97	N 32° 9' 48.50" W 103° 55' 59.98"	0.00
	3815.00	0.09	259.13	3814.75	-6.37	-7.39	14.88	0.03	423436.39	665113.84	N 32° 9' 48.50" W 103° 55' 59.99"	0.00
	3910.00	0.06	222.32	3909.75	-6.42	-7.44	14.75	0.06	423436.34	665113.73	N 32° 9' 48.50" W 103° 55' 59.99"	0.00
	4004.00	0.11	223.00	4003.74	-6.53	-7.55	14.66	0.05	423436.23	665113.94	N 32° 9' 48.50" W 103° 55' 59.99"	0.00
	4099.00	0.19	230.08	4098.74	-6.85	-7.84	14.27	0.05	423435.94	665113.25	N 32° 9' 48.50" W 103° 55' 59.99"	0.00
	4287.00	0.22	254.23	4286.74	-6.99	-7.98	13.95	0.08	423435.82	665112.93	N 32° 9' 48.50" W 103° 56' 0.00"	0.00
	4382.00	0.16	230.43	4381.74	-7.14	-8.09	13.68	0.11	423435.69	665112.64	N 32° 9' 48.49" W 103° 56' 0.00"	0.00
	4477.00	0.24	268.16	4476.74	-7.28	-8.18	13.39	0.15	423435.60	665112.34	N 32° 9' 48.49" W 103° 56' 0.00"	0.00
	4572.00	0.03	216.79	4571.74	-7.35	-8.25	12.93	0.12	423435.53	665111.91	N 32° 9' 48.49" W 103° 56' 0.01"	0.01
	4667.00	0.09	246.07	4666.74	-7.40	-8.35	12.77	0.03	423435.43	665111.79	N 32° 9' 48.49" W 103° 56' 0.01"	0.01
	4762.00	0.09	265.93	4761.74	-7.55	-8.42	12.48	0.02	423435.36	665111.46	N 32° 9' 48.49" W 103° 56' 0.01"	0.01
	4857.00	0.09	283.80	4856.74	-7.55	-8.45	12.19	0.01	423435.39	665111.17	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	4952.00	0.09	183.21	4951.74	-7.61	-8.45	12.12	0.15	423435.33	665111.09	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	5047.00	0.09	192.68	5046.74	-7.76	-8.60	12.09	0.02	423435.18	665111.07	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	5142.00	0.07	260.38	5141.74	-7.64	-8.68	12.02	0.10	423435.10	665111.00	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	5237.00	0.09	223.88	5236.74	-7.91	-8.74	11.91	0.06	423435.04	665110.89	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	5332.00	0.09	333.18	5331.74	-7.91	-8.73	11.83	0.16	423435.05	665110.81	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	5427.00	0.14	23.86	5426.74	-7.73	-8.56	11.84	0.11	423435.22	665110.82	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	5522.00	0.09	47.29	5521.74	-7.57	-8.40	11.94	0.07	423435.38	665110.92	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	5617.00	0.09	222.72	5616.74	-7.57	-8.41	11.95	0.19	423435.37	665110.93	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	5712.00	0.11	75.55	5711.74	-7.60	-8.44	11.98	0.20	423435.34	665110.96	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	5807.00	0.08	336.60	5806.74	-7.53	-8.37	12.05	0.14	423435.41	665111.03	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	5902.00	0.11	167.34	5901.74	-7.57	-8.41	12.05	0.18	423435.37	665111.03	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	5997.00	0.09	191.44	5996.74	-7.73	-8.57	12.06	0.05	423435.21	665111.04	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	6092.00	0.33	190.56	6091.74	-8.05	-8.92	11.99	0.25	423434.86	665110.97	N 32° 9' 48.49" W 103° 56' 0.02"	0.02
	6187.00	0.49	204.79	6186.74	-8.73	-9.55	11.77	0.20	423434.23	665110.75	N 32° 9' 48.48" W 103° 56' 0.02"	0.02
	6282.00	1.65	51.55	6281.73	-8.19	-9.07	12.87	2.21	423434.71	665111.85	N 32° 9' 48.48" W 103° 56' 0.01"	0.01
	6377.00	5.15	51.62	6376.55	-4.44	-5.61	17.04	3.72	423438.17	665116.02	N 32° 9' 48.52" W 103° 55' 59.98"	0.00
	6472.00	8.66	49.74	6471.84	3.42	1.86	25.84	3.70	423445.44	665124.82	N 32° 9' 48.58" W 103° 55' 59.82"	0.00
	6567.00	11.04	45.47	6566.44	15.20	12.65	37.79	2.62	423456.44	665136.77	N 32° 9' 48.70" W 103° 55' 59.72"	0.00
	6662.00	12.36	40.35	6661.46	30.19	26.79	50.89	1.77	423470.57	665149.83	N 32° 9' 48.84" W 103° 55' 59.67"	
	6757.00	13.21	43.16	6756.13	48.60	42.29	64.72	1.12	423488.07	665163.70	N 32° 9' 48.89" W 103° 55' 59.40"	
	6852.00	13.30	44.48	6850.60	63.30	58.00	79.80	0.33	423523			

Comments	MD (m)	Incl (°)	Azim Grid (°)	TVD (m)	VSEC (m)	NS (m)	EW (m)	DLS (°/100ft)	Northing (m/ft)	Easting (m/ft)	Latitude (N/S ° ° ' '')	Longitude (E/W ° ° ' '')
	7878.00	13.77	38.55	7854.02	150.10	147.94	169.11	1.72	423591.71	685266.08	N 32° 50' 03" W	103° 55' 58.19"
	7973.00	19.37	33.23	7945.98	178.80	182.75	182.75	1.20	423811.32	685281.71	N 32° 50' 23" W	103° 55' 58.03"
	8087.00	17.21	37.18	8038.18	202.09	189.06	197.87	2.28	423832.83	685298.94	N 32° 50' 44" W	103° 55' 57.85"
	8181.00	18.82	43.83	8128.63	225.23	210.87	218.77	2.65	423854.74	685315.73	N 32° 50' 65" W	103° 55' 57.63"
	8258.00	20.38	51.54	8215.20	248.00	232.20	240.22	3.27	423875.08	685338.18	N 32° 50' 86" W	103° 55' 57.45"
	8350.00	19.89	60.05	8303.54	267.84	250.28	266.78	3.18	423894.04	685363.71	N 32° 51' 04" W	103° 55' 57.04"
	8445.00	18.70	62.69	8393.28	284.85	265.26	294.18	1.39	423709.02	685393.11	N 32° 51' 19" W	103° 55' 56.73"
	8539.00	17.66	64.84	8482.96	299.38	278.23	320.45	1.32	423721.99	685419.40	N 32° 51' 32" W	103° 55' 56.42"
	8633.00	15.52	58.45	8572.65	313.61	290.88	344.07	2.99	423734.84	685443.03	N 32° 51' 44" W	103° 55' 56.14"
	8728.00	17.46	54.87	8663.74	329.99	305.77	368.53	2.33	423748.53	685465.49	N 32° 51' 59" W	103° 55' 55.88"
	8822.00	17.46	55.72	8753.41	347.83	321.87	389.69	0.34	423765.82	685488.64	N 32° 51' 75" W	103° 55' 55.61"
	8917.00	18.77	52.03	8843.71	366.84	339.30	413.52	1.83	423783.05	685512.47	N 32° 51' 82" W	103° 55' 55.33"
	9011.00	17.48	44.87	8933.03	387.40	358.81	435.40	2.74	423802.37	685534.35	N 32° 52' 11" W	103° 55' 55.08"
	9106.00	17.71	41.83	9023.61	409.60	379.53	455.07	1.08	423823.28	685554.02	N 32° 52' 31" W	103° 55' 54.85"
	9200.00	19.07	42.39	9112.81	432.93	401.58	474.82	1.47	423845.30	685573.87	N 32° 52' 53" W	103° 55' 54.62"
	9295.00	19.66	48.19	9202.43	458.00	424.08	496.82	1.40	423867.83	685595.88	N 32° 53' 15" W	103° 55' 54.36"
	9389.00	18.18	47.35	9291.35	479.24	444.96	519.12	1.82	423888.71	685618.06	N 32° 53' 36" W	103° 55' 54.10"
	9484.00	21.19	48.42	9380.79	502.66	466.85	542.48	3.19	423910.59	685641.40	N 32° 53' 57" W	103° 55' 53.83"
	9578.00	19.52	44.72	9468.92	527.07	489.72	565.82	1.88	423933.48	685664.73	N 32° 54' 10" W	103° 55' 53.56"
	9673.00	18.98	43.11	9559.14	549.82	511.12	588.48	2.75	423954.88	685688.39	N 32° 54' 31" W	103° 55' 53.31"
	9767.00	17.20	44.42	9648.98	571.04	531.08	605.59	0.52	423974.82	685704.52	N 32° 54' 51" W	103° 55' 53.09"
	9862.00	18.14	47.14	9739.97	591.38	550.13	625.13	1.44	423993.87	685724.07	N 32° 55' 10" W	103° 55' 52.88"
	9956.00	18.05	49.32	9830.29	610.02	567.48	644.56	0.85	424011.23	685743.50	N 32° 55' 31" W	103° 55' 52.64"
	10044.00	15.73	53.53	9914.93	628.28	582.51	663.38	1.30	424028.25	685762.31	N 32° 55' 51" W	103° 55' 52.42"
	10084.00	16.32	55.07	9953.37	633.32	588.95	672.35	1.82	424032.69	685771.28	N 32° 56' 10" W	103° 55' 52.31"
	10179.00	23.40	42.41	10042.71	658.49	610.56	696.06	8.88	424054.29	685794.89	N 32° 56' 49" W	103° 55' 52.04"
	10274.00	26.91	30.99	10128.00	691.74	644.22	720.84	7.83	424087.95	685819.58	N 32° 57' 12" W	103° 55' 51.75"
	10369.00	37.73	24.70	10207.33	739.47	690.42	744.68	9.98	424134.15	685843.99	N 32° 58' 38" W	103° 55' 51.47"
	10464.00	43.24	17.41	10278.49	799.56	749.13	766.95	9.39	424182.85	685865.87	N 32° 59' 58" W	103° 55' 51.20"
	10559.00	54.33	12.25	10339.79	870.71	819.20	785.27	10.42	424262.81	685884.19	N 32° 59' 58" W	103° 55' 50.98"
Wellcamp Intersection	10597.07	57.92	12.05	10391.00	901.69	850.09	791.92	9.45	424293.81	685890.84	N 32° 59' 58" W	103° 55' 50.91"
	10654.00	83.30	11.78	10388.93	951.09	888.81	802.18	9.45	424342.32	685901.08	N 32° 59' 57" W	103° 55' 50.79"
	10749.00	86.34	9.95	10429.34	1038.41	983.03	818.34	3.84	424426.74	685917.26	N 32° 58' 27" W	103° 55' 50.60"
	10844.00	73.80	2.49	10401.90	1125.48	1071.84	827.88	10.82	424515.33	685926.78	N 32° 59' 15" W	103° 55' 50.48"
LL Crossing	10899.00	78.74	0.69	10475.04	1178.00	1125.00	829.34	9.87	424558.70	685928.26	N 32° 59' 58" W	103° 55' 50.46"
	10939.00	82.49	359.43	10481.57	1218.17	1164.48	829.38	9.87	424608.15	685928.30	N 32° 10' 07" W	103° 55' 50.46"
	11034.00	88.08	359.18	10489.37	1312.51	1259.09	828.23	5.89	424702.78	685927.15	N 32° 10' 00" W	103° 55' 50.47"
	11074.00	88.53	359.05	10490.55	1352.35	1299.07	827.82	1.19	424742.75	685928.54	N 32° 10' 14" W	103° 55' 50.47"
	11176.00	88.44	357.96	10493.25	1493.83	1400.99	824.63	1.49	424844.66	685923.55	N 32° 10' 24" W	103° 55' 50.51"
Top Perf Crossing	11240.00	88.53	357.78	10494.94	1517.43	1484.91	822.03	0.37	424908.58	685920.95	N 32° 10' 34" W	103° 55' 50.53"
	11271.00	88.58	357.88	10495.72	1548.25	1495.88	820.85	0.37	424939.55	685918.77	N 32° 10' 33" W	103° 55' 50.54"
	11368.00	89.58	359.74	10497.25	1642.85	1590.84	818.68	2.22	425034.50	685917.80	N 32° 10' 42" W	103° 55' 50.56"
	11556.00	88.78	359.71	10498.97	1832.33	1780.82	817.97	0.42	425224.46	685916.89	N 32° 10' 17" W	103° 55' 50.57"
	11851.00	89.08	358.47	10501.70	1828.98	1875.79	816.46	1.34	425319.43	685915.38	N 32° 10' 31" W	103° 55' 50.58"
	11841.00	89.51	357.69	10504.13	2115.98	2085.66	810.10	0.47	425509.29	685909.02	N 32° 10' 8" W	103° 55' 50.85"
	11937.00	89.78	358.18	10504.72	2211.46	2181.60	806.64	0.58	425605.22	685905.58	N 32° 10' 9" W	103° 55' 50.88"
	12031.00	90.18	358.50	10504.77	2305.02	2255.96	803.98	0.59	425689.17	685902.90	N 32° 10' 18" W	103° 55' 50.71"
	12126.00	89.89	358.68	10504.85	2399.82	2350.53	801.89	0.20	425784.14	685900.81	N 32° 10' 11" W	103° 55' 50.73"
	12317.00	89.99	359.25	10504.68	2589.91	2541.30	798.21	0.31	425885.09	685897.13	N 32° 10' 13" W	103° 55' 50.78"
	12412.00	90.71	0.38	10504.10	2684.68	2638.50	797.89	1.39	426030.08	685896.81	N 32° 10' 14" W	103° 55' 50.78"
	12507.00	89.85	359.83	10503.64	2779.45	2731.49	798.04	1.08	426176.07	685896.08	N 32° 10' 15" W	103° 55' 50.78"
	12601.00	89.78	1.55	10503.94	2873.30	2825.48	799.18	1.83	426269.05	685896.10	N 32° 10' 16" W	103° 55' 50.74"
	12697.00	89.85	0.21	10504.25	2969.18	2921.47	800.85	1.04	426363.03	685896.57	N 32° 10' 17" W	103° 55' 50.72"
	12792.00	89.99	1.24	10504.38	3064.01	3016.48	801.85	1.09	426460.01	685900.77	N 32° 10' 18" W	103° 55' 50.70"
	12887.00	89.95	0.75	10504.43	3158.89	3111.45	803.50	0.52	426554.99	685902.42	N 32° 10' 19" W	103° 55' 50.68"
	12981.00	89.30	0.66	10505.05	3252.74	3205.44	804.86	0.70	426648.97	685903.58	N 32° 10' 20" W	103° 55' 50.68"
	13078.00	89.85	358.51	10505.75	3347.48	3300.43	803.97	2.34	426742.98	685904.98	N 32° 10' 21" W	103° 55' 50.68"
	13172.00	89.85	0.89	10506.00	3443.18	3388.41	802.80	1.63	426838.94	685906.72	N 32° 10' 22" W	103° 55' 50.67"
	13266.00	89.40	358.86	10506.82	3538.87	3480.81	801.94	1.39	426933.92	685908.81	N 32° 10' 23" W	103° 55' 50.68"
	13362.00	90.16	0.45	10506.99	3632.60	3580.40	801.38	1.84	427029.91	685909.28	N 32° 10' 24" W	103° 55' 50.68"
	13457.00	90.09	0.28	10506.78	3727.42	3681.40	801.98	0.19	427124.90	685909.88	N 32° 10' 24" W	103° 55' 50.67"
	13552.00	89.68	358.99	10506.81	3822.21	3778.40	802.19	0.38	427219.89	685901.11	N 32° 10' 25" W	103° 55' 50.68"
	13741.00	91.12	358.99	10505.18	4010.64	3985.38	800.50	0.84	427408.86	685899.42	N 32° 10' 27" W	103° 55' 50.67"
	13838.00	90.30	359.94	10503.98	4105.35	4080.36	799.82	1.32	427503.84	685898.54	N 32° 10' 28" W	103° 55' 50.68"
	13931.00	89.82	359.78	10503.80	4200.11	4185.36	798.37	0.44	427598.83	685898.29	N 32° 10' 29" W	103° 55' 50.68"
	14026.00	90.08	359.78	10503.81	4294.88	4280.36	798.97	0.15	427693.82	685897.89	N 32° 10' 30" W	103° 55' 50.68"
	14121.00	90.13	0.24	10503.68	4389.84	4343.38	798.97	0.81	427788.81	685887.89	N 32° 10' 31" W	103° 55' 50.68"
	14216.00	90.81	0.76	10503.04	4484.47	4440.38	799.80	0.74	427883.80	685898.72	N 32° 10' 32" W	103° 55' 50.68"
	14311.00	91.19	2.28	10501.53	4579.37	4535.31	802.32	1.71	427978.75	685901.24	N 32° 10' 33" W	103° 55' 50.63"
	14406.00	89.84	1.03	10500.86	4674.28	4630.28	805.06	2.10	428073.69	685903.98	N 32° 10' 34" W	103° 55' 50.59"
	14500.00	89.71	1.03	10501.39	4768.17	4724.24	806.75	0.07	428167.87	685905.87	N 32° 10' 35" W	103° 55' 50.57"
	14595.00	90.43	2.01	10501.28	4863.09	4819.21	809.27	1.28	428262.82	685908.19	N 32° 10' 36" W	103° 55' 50.53"
	14690.00	89.75	1.11	10501.13	4958.01	4914.17	811.88	1.19	428357.58	685910.78	N 32° 10' 37" W	103° 55' 50.50"
	14785.00	89.40	0.28	10501.83	5052.88	5009.16	812.99	0.87	428452.56	685911.91	N 32° 10' 38" W	103° 55' 50.48"
	14880.00	89.08	0.16	10503.11	5147.85	5104.15	813.34	0.37	428547.55	685912.28	N 32° 10' 39" W	103° 55' 50.48"

Comments	MD (ft)	Incl (°)	Azlm Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	18208.00	88.20	0.27	10530.74	8463.57	8428.79	798.34	4.84	431871.94	685897.28	N 32 11 11.95	W 103 55 50.50
	18301.00	87.99	359.41	10535.56	8556.21	8523.67	798.08	2.09	431966.89	685897.00	N 32 11 12.89	W 103 55 50.50
	18396.00	89.82	0.25	10537.37	8652.95	8618.64	797.79	2.12	432061.77	685896.71	N 32 11 13.83	W 103 55 50.50
	18491.00	89.47	359.84	10537.86	8747.73	8713.64	797.87	0.57	432156.76	685896.79	N 32 11 14.77	W 103 55 50.50
	18586.00	89.16	358.69	10539.10	8842.41	8808.82	798.65	1.25	432251.74	685895.57	N 32 11 15.71	W 103 55 50.51
	18681.00	90.23	359.26	10539.60	8937.06	8903.61	794.95	1.28	432346.72	685893.87	N 32 11 16.65	W 103 55 50.52
	18776.00	90.02	359.52	10539.40	9031.76	8998.60	793.94	0.35	432441.70	685892.86	N 32 11 17.59	W 103 55 50.53
	18871.00	89.88	358.84	10539.46	9126.45	9093.59	792.68	0.63	432536.69	685891.58	N 32 11 18.53	W 103 55 50.54
	18966.00	89.95	359.34	10539.62	9221.12	9188.58	791.24	0.43	432631.67	685890.18	N 32 11 19.47	W 103 55 50.55
	19060.00	89.85	359.13	10539.79	9314.81	9282.57	789.98	0.25	432726.65	685888.90	N 32 11 20.40	W 103 55 50.57
	19155.00	89.92	359.17	10539.86	9409.48	9377.56	788.57	0.08	432820.63	685887.48	N 32 11 21.34	W 103 55 50.58
	19250.00	89.61	359.20	10540.37	9504.16	9472.55	787.22	0.33	432915.62	685886.14	N 32 11 22.28	W 103 55 50.59
	19345.00	90.02	359.51	10540.87	9598.86	9567.54	786.15	0.54	433010.60	685885.07	N 32 11 23.22	W 103 55 50.60
	19440.00	90.54	359.07	10540.21	9693.55	9662.54	784.98	0.72	433105.59	685883.90	N 32 11 24.16	W 103 55 50.61
	19535.00	90.37	359.27	10539.45	9788.22	9757.52	783.60	0.28	433200.57	685882.52	N 32 11 25.10	W 103 55 50.62
	19630.00	90.71	359.31	10538.56	9882.91	9852.51	782.42	0.38	433295.55	685881.34	N 32 11 26.04	W 103 55 50.63
	19725.00	90.47	359.10	10537.58	9977.59	9947.50	781.10	0.34	433390.53	685880.03	N 32 11 26.98	W 103 55 50.64
	19820.00	90.50	359.65	10536.78	10072.29	10042.49	780.07	0.58	433485.51	685878.99	N 32 11 27.92	W 103 55 50.65
	19915.00	90.95	359.58	10535.57	10167.01	10137.48	779.43	0.48	433580.49	685878.35	N 32 11 28.86	W 103 55 50.65
	20010.00	90.16	359.20	10534.85	10261.71	10232.47	778.42	0.92	433675.47	685877.34	N 32 11 29.80	W 103 55 50.66
	20105.00	89.95	358.93	10534.56	10356.38	10327.45	778.87	0.38	433770.45	685875.79	N 32 11 30.74	W 103 55 50.67
	20200.00	89.95	359.06	10534.65	10451.03	10422.44	779.20	0.14	433865.43	685874.12	N 32 11 31.68	W 103 55 50.69
	20300.00	90.02	359.61	10534.70	10545.45	10512.43	779.33	0.40	433959.41	685872.25	N 32 11 32.58	W 103 55 50.70
	20405.00	90.13	359.34	10534.87	10639.18	10610.42	778.62	0.51	434054.40	685871.85	N 32 11 33.49	W 103 55 50.70
	20500.00	89.95	358.96	10534.90	10732.85	10703.41	777.21	0.44	434149.38	685870.14	N 32 11 34.44	W 103 55 50.72
	20605.00	90.43	359.23	10534.19	10826.52	10797.40	769.71	0.58	434244.36	685868.64	N 32 11 35.38	W 103 55 50.73
	20700.00	89.95	358.77	10533.87	10920.17	10892.39	768.06	0.70	434339.34	685868.98	N 32 11 37.32	W 103 55 50.75
	20805.00	89.89	2.64	10534.04	11014.00	11087.38	769.22	4.08	434434.30	685868.15	N 32 11 38.26	W 103 55 50.73
	20900.00	89.95	359.69	10534.21	11108.89	11182.33	771.18	3.11	434529.27	685870.06	N 32 11 39.20	W 103 55 50.70
	21055.00	89.95	358.63	10534.29	11203.56	11277.32	769.78	1.12	434624.25	685868.69	N 32 11 40.14	W 103 55 50.71
Bottom Perf Crossing	21132.00	90.14	359.08	10534.23	11300.26	11354.30	768.21	0.61	434719.23	685867.13	N 32 11 40.90	W 103 55 50.73
	21150.00	90.19	359.16	10534.17	11388.20	11372.30	767.93	0.61	434814.22	685866.85	N 32 11 41.08	W 103 55 50.73
Final MWD	21183.00	90.65	359.67	10533.87	11431.09	11405.30	767.59	2.53	434909.21	685866.52	N 32 11 41.40	W 103 55 50.73
Proj to TD	21233.00	90.65	359.67	10533.13	11480.95	11455.29	767.31	0.00	434994.21	685866.23	N 32 11 41.90	W 103 55 50.73

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	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	28.500	1/88 425	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Corral Canyon 36-25 Fed Com 36H Gyro + MWD 0-21233MD
	1	28.500	28.500	Act Sns	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Corral Canyon 36-25 Fed Com 36H Gyro + MWD 0-21233MD
	1	28.500	596.500	Act Sns	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Corral Canyon 36-25 Fed Com 36H Gyro
	1	596.500	697.000	Act Sns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Oxy Corral Canyon 36-25 Fed Com 36H Gyro
	1	697.000	21233.000	Act Sns	30.000	30.000	NAL_MWD_IFR1+MS	Original Borehole / Oxy Corral Canyon 36-25 Fed Com 36H Gyro

...Original Borehole/Oxy Corral Canyon 36-25 Fed Com 36H Gyro + MWD 0-21233' MD

Schlumberger

OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Corral Canyon 36-25 Fed Com 36H	NM Eddy County (NAD 83)	Oxy Corral Canyon 36-25 Fed Com 36H

Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model:	SP11	Qty:	53 891	Date:	10-01-2010	Lat:	N 32 9 45.57	Northing:	431441.778/7	Grid Contour:	0.21137
MagDec:	6.892	FE:	27556.2h7	Gravity FE:	990.444mg (1.0045 Gauss)	Long:	W 103 56 0 14	Easting:	991028.980/5	Scale Fact:	0.99992613
								Dry Corral Canyon 36-25 Fed Com 36H Gyro: RKB=26.5' above BSL			
								Dry Corral Canyon 36-25 Fed Com 36H Gyro: MWD 0.12333 TD			

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLG
RKB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SHL	29.50	0.00	0.00	29.50	0.00	0.00	0.00	0.00
Last Gyro	596.50	0.80	190.83	596.48	-1.87	-2.03	2.26	0.35
KOP Actual	10084.00	16.32	55.07	9953.37	633.32	588.95	672.35	1.82
Wolfcamp Intersection	10597.07	57.92	12.05	10361.00	901.99	850.09	791.92	9.45
LL Crossing	10899.00	78.74	0.89	10475.04	1178.80	1125.00	829.34	9.87
Top Perf Crossing	11240.00	88.53	357.78	10494.94	1517.43	1464.81	822.03	0.37
Bottom Perf Crossing	21132.00	90.14	359.06	10534.23	11380.26	11354.30	768.21	0.81
Final MWD	21163.00	90.85	359.67	10533.87	11431.09	11405.30	767.59	2.53
Proj to TD	21233.00	90.85	359.67	10533.13	11480.05	11455.29	767.31	0.00

