

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

30-015-44645

**NM OIL CONSERVATION
ARTESIA DISTRICT**

December 5, 2018

OXY USA Inc.
P.O. BOX 2289
Houston, TX 77252

DEC 20 2018

RECEIVED

Re:

1, 25S, 29E, Eddy NM
N 32.16349 W -103.93349

CLIENT: OXY USA Inc.
WELL: Corral Canyon 36-25 Fed Com 35H
FIELD: Purple Sage Wolfcamp

RIG: H&P 636
COUNTY: Eddy
API NO: 30-015-44645
JOB NO: 18MLD3553

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>
Andres Hernandez FS	Corral Canyon 36-25 Fed Com 35H Original Hole	694.00 Ft to 21052.00 Ft	October 6, 2018 to November 18, 2018	SlimPulse Third Party Corrected

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

Josh Rubash / Van Spinks
Field Service Manager

Schlumberger-Private

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
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Schlumberger

Well Reference:

I, 25S, 29E, Eddy NM
N 32.16349 W -103.93349

I, Andres Hernandez certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of October 06, 2018 through November 18, 2018, conduct or supervise the taking of the SlimPulse & Third Party Corrected surveys from a depth of 694.00 feet to a depth of 21052.00 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 Canyon 36-25 Fed Com 35H Well (Original Hole) API No. 30-015-44645 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 
Andres Hernandez
FS

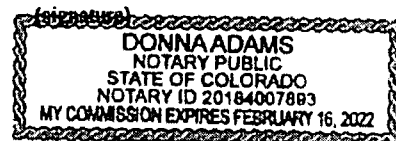
Subscribed and Sworn to before me this 5th day of December (month) 2018 (yr)

My Commission expires:

2-16-2022

D. Adams
Notary Public

Adams County Colorado
(County State)



Oxy Corral Canyon 36-25 Fed Com 35H Gyro + MWD 0-21108ft MD Survey

Geodetic Report

(Def Survey)



Report Date: November 20, 2018 - 08:05 AM
 Client: OXY
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Oxy Corral Canyon 36-25 Fed Com 35H / Corral Canyon 36-25 Fed Com 35H
 Well: Corral Canyon 36-25 Fed Com 35H
 Borehole: Original Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Oxy Corral Canyon 36-25 Fed Com 35H Gyro + MWD 0-21108ft MD
 Survey Date: September 12, 2018
 Tort / AHD / DDI / ERD Ratio: 290 088 * / 11481.144 ft / 6.834 / 1.091
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 9' 48.57356", W 103° 56' 0.56807"
 Location Grid N/E Y/X: N 423443 540 NUS, E 685063 980 NUS
 CRS Grid Convergence Angle: 0.2129 °
 Grid Scale Factor: 0.99992682
 Version / Patch: 2.10.740.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 358 700 ° (Grid North)
 Vertical Section Origin: 0 000 ft, 0 000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3150.000 ft above MSL
 Seabed / Ground Elevation: 3133.400 ft above MSL
 Magnetic Declination: 6.885 °
 Total Gravity Field Strength: 998.4490mg (9.82685 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 47948.600 nT
 Magnetic Dip Angle: 59.889 °
 Declination Date: November 06, 2018
 Magnetic Declination Model: IFR1
 North Reference: Grid North
 Grid Convergence Used: 0.2129 °
 Total Corr Mag North-Grid: 6.6721 °
 North: Well Head
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSE (ft)	NS (ft)	EW (ft)	DLB (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ° ' '')	Longitude (E/W ° ° ' '')
RKD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	423443.54	685063.98	N 32	9 48 57 W 103 56
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	423443.54	685063.98	N 32	9 48 57 W 103 56
	69.88	0.67	8.70	69.88	0.23	0.25	0.04	1.54	423443.79	685064.02	N 32	9 48 58 W 103 56
	156.85	0.87	25.62	156.85	1.14	1.14	0.30	0.24	423444.08	685064.28	N 32	9 48 58 W 103 56
	244.87	0.52	2.71	244.68	1.93	1.94	0.51	0.25	423445.48	685064.49	N 32	9 48 59 W 103 56
	336.05	0.72	358.21	336.03	2.92	2.92	0.51	0.23	423446.48	685064.49	N 32	9 48 59 W 103 56
	430.82	0.34	7.03	430.60	3.79	3.80	0.53	0.41	423447.34	685064.51	N 32	9 48 59 W 103 56
	525.28	0.43	32.83	525.24	4.37	4.37	0.75	0.20	423447.91	685064.73	N 32	9 48 59 W 103 56
	598.50	0.43	359.81	598.48	4.88	4.88	0.90	0.34	423448.40	685064.88	N 32	9 48 59 W 103 56
	694.00	0.13	343.17	693.98	5.33	5.34	0.87	0.32	423448.88	685064.85	N 32	9 48 59 W 103 56
	848.00	0.12	195.82	848.08	5.34	5.35	0.77	0.15	423448.89	685064.75	N 32	9 48 59 W 103 56
	978.00	0.14	21.17	975.98	5.38	5.37	0.79	0.20	423449.00	685064.77	N 32	9 48 59 W 103 56
	1070.03	0.14	189.61	1069.97	5.35	5.36	0.81	0.30	423449.00	685064.79	N 32	9 48 59 W 103 56
	1184.00	0.12	229.48	1183.97	5.18	5.18	0.72	0.10	423448.72	685064.70	N 32	9 48 59 W 103 56
	1258.00	0.14	126.98	1257.97	5.04	5.05	0.74	0.22	423448.59	685064.72	N 32	9 48 59 W 103 56
	1353.00	0.09	198.83	1352.97	4.90	4.91	0.80	0.15	423448.45	685064.78	N 32	9 48 59 W 103 56
	1447.00	0.14	237.21	1446.97	4.77	4.78	0.68	0.09	423448.32	685064.68	N 32	9 48 59 W 103 56
	1541.00	0.14	347.92	1540.97	4.82	4.83	0.58	0.25	423448.37	685064.54	N 32	9 48 59 W 103 56
	1635.00	0.12	234.15	1634.97	4.88	4.88	0.48	0.23	423448.42	685064.44	N 32	9 48 59 W 103 56
	1729.00	0.15	274.52	1728.97	4.93	4.93	0.28	0.10	423448.37	685064.24	N 32	9 48 59 W 103 56
	1823.00	0.11	278.88	1824.97	4.85	4.85	0.04	0.04	423448.39	685064.02	N 32	9 48 59 W 103 56
	1918.00	0.32	130.82	1918.97	4.09	4.09	0.85	0.15	423448.23	685064.13	N 32	9 48 59 W 103 56
	2014.00	0.14	141.72	2013.97	4.43	4.43	0.42	0.19	423447.97	685064.40	N 32	9 48 59 W 103 56
	2108.00	0.12	183.98	2107.97	4.24	4.24	0.47	0.12	423447.78	685064.45	N 32	9 48 59 W 103 56
	2203.00	0.15	359.85	2202.97	4.27	4.27	0.44	0.28	423447.81	685064.42	N 32	9 48 59 W 103 56
	2297.00	0.15	13.74	2296.97	4.51	4.51	0.47	0.04	423448.05	685064.45	N 32	9 48 59 W 103 56
	2392.00	0.23	43.40	2391.97	4.77	4.77	0.63	0.13	423448.31	685064.61	N 32	9 48 59 W 103 56
	2486.00	0.17	75.23	2485.97	4.94	4.95	0.90	0.13	423448.48	685064.88	N 32	9 48 59 W 103 56
	2581.00	0.24	60.10	2580.97	5.07	5.08	1.21	0.09	423448.62	685065.19	N 32	9 48 59 W 103 56
	2675.00	0.31	87.38	2674.97	5.18	5.19	1.63	0.18	423448.73	685065.01	N 32	9 48 59 W 103 56
	2770.00	0.19	64.38	2769.97	5.26	5.27	2.03	0.16	423448.81	685065.01	N 32	9 48 59 W 103 56
	2870.00	0.18	35.32	2869.97	5.46	5.47	2.27	0.09	423449.01	685066.25	N 32	9 48 59 W 103 56
	2965.00	0.19	109.12	2964.97	5.53	5.54	2.51	0.23	423449.08	685066.49	N 32	9 48 59 W 103 56
	3059.00	0.16	183.39	3058.97	5.34	5.36	2.05	0.23	423449.90	685066.63	N 32	9 48 59 W 103 56
	3154.00	0.04	213.60	3153.97	5.18	5.20	2.62	0.13	423449.74	685066.60	N 32	9 48 59 W 103 56
	3248.00	0.14	227.85	3247.97	5.08	5.09	2.52	0.11	423448.83	685066.50	N 32	9 48 59 W 103 56
	3343.00	0.18	185.68	3342.97	4.85	4.87	2.42	0.13	423448.41	685066.40	N 32	9 48 59 W 103 56
	3437.00	0.17	230.94	3436.97	4.82	4.83	2.29	0.14	423448.17	685066.27	N 32	9 48 59 W 103 56
	3528.00	0.17	358.82	3528.97	4.72	4.74	2.07	0.16	423448.28	685066.05	N 32	9 48 59 W 103 56
	3721.00	0.14	310.53	3720.97	4.64	4.65	1.86	0.14	423448.49	685066.05	N 32	9 48 59 W 103 56
	3816.00	0.15	68.70	3815.98	5.19	5.20	2.03	0.13	423448.74	685066.01	N 32	9 48 59 W 103 56
	4005.00	0.17	335.68	4004.98	5.37	5.38	2.09	0.24	423448.92	685066.07	N 32	9 48 59 W 103 56
	4098.00	0.18	222.31	4098.98	5.38	5.39	1.93	0.31	423448.93	685065.91	N 32	9 48 59 W 103 56
	4193.00	0.17	180.63	4192.98	5.14	5.15	1.83	0.13	423448.69	685065.81	N 32	9 48 59 W 103 56
	4288.00	0.14	233.69	4287.98	4.93	4.94	1.73	0.15	423448.68	685065.71	N 32	9 48 59 W 103 56
	4382.00	0.14	351.12	4381.98	4.97	4.98	1.62	0.23	423448.52	685065.60	N 32	9 48 59 W 103 56
	4483.00	0.15	217.79	4482.98	4.99	5.00	1.52	0.26	423448.54	685065.50	N 32	9 48 59 W 103 56
	4572.00	0.17	289.75	4571.90	4.89	4.90	1.11	0.10	423448.44	685065.09	N 32	9 48 59 W 103 56
	4681.00	0.14	311.25	4680.98	5.14	5.15	0.67	0.03	423448.69	685064.65	N 32	9 48 59 W 103 56
	4955.00	0.17	217.93	4954.98	5.11	5.11	0.50	0.24	423448.65	685064.49	N 32	9 48 59 W 103 56
	5144.00	0.14	76.81	5143.98	4.94	4.94	0.55	0.15	423448.48	685064.53	N 32	9 48 59 W 103 56
	5333.00	0.17	298.34	5332.98	4.94	4.94	0.50	0.18	423448.48	685064.48	N 32	9 48 59 W 103 56
	5427.00	0.14	334.17	5426.98	5.01	5.01	0.31	0.20	423448.55	685064.29	N 32	9 48 59 W 103 56
	5522.00	0.12	359.42	5521.98	5.22	5.22	0.26	0.06	423448.70	685064.24	N 32	9 48 59 W 103 56
	5616.00	0.12	8.77	5615.98	5.41	5.41	0.28	0.02	423448.95	685064.26	N 32	9 48 59 W 103 56
	5805.00	0.14	148.48	5804.98	5.41	5.41	0.43	0.13	423448.95	685064.41	N 32	9 48 59 W 103 56
	5898.00	0.15	205.33	5898.98	5.20	5.20	0.43	0.15	423448.74	685064.41	N 32	9 48 59 W 103 56
	5994.00	0.17	72.89	5993.98	5.13	5.13	0.52	0.31	423448.67	685064.30	N 32	9 48 59 W 103 56
	6088.00	0.17	174.10	6087.98	5.03	5.04	0.68	0.28	423448.57	685064.64	N 32	9 48 59 W 103 56
	6183.00	0.15	140.85	6182.98	4.79	4.80	0.76	0.10	423448.34	685064.74	N 32	9 48 59 W 103 56
	6277.00	0.15	333.21	6276.98	4.81	4.81	0.78	0.32	423448.35	685064.76	N 32	9 48 59 W 103 56
	6371.00	0.17	235.23	6370.98	4.84	4.84	0.81	0.26	423448.38	685064.59	N 32	9 48 59 W 103 56
	6466.00	0.97	1.08	6465.95	5.56	5.57	0.51	1.14	423449.11	685064.49	N 32	9 48 59 W 103 56
	6560.00	3.04	11.33	6559.89	6.80	6.81	1.01	2.23	423452.35	685064.89	N 32	9 48 59 W 103 56
	6655.00	4.81	15.69	6654.87	15.10	15.11	2.59	1.89	423458.05	685066.57	N 32	9 48 59 W 103 56
	6750.00	8.69	12.95	6749.18	24.31	24.34	4.90	2.00	423467.88	685068.88	N 32	9 48 59 W 103 56
	6845.00	8.31	6.41	6843.37	38.52	38.56	6.91	1.92	423480.09	685070.89	N 32	9 48 59 W 103 56
	6940.00	9.33	1.45	6937.23	51.04	51.08	7.87	1.34	423484.81	685071.85	N 32	9 48 59 W 103 56
	7035.00	9.10	359.49	7031.02	66.25	66.29	8.00	0.41	423509.82	685071.98	N 32	9 49 23 W 103 56
	7129.00	8.58	357.51	7123.90	80.69	80.73	7.63	0.84	423524.28	685071.81	N 32	9 49 23 W 103 56
	7224.00	7.80	3.93	7217.94	94.20	94.24	7.76	1.26	423537.77	685071.74	N 32	9 49 23 W 103 56
	7319.00	7.14	4.02	7312.13	106.51	106.50	8.62	0.89	423550.09	685072.60	N 32	9 49 23 W 103 56
	7414.00	6.44	357.11	7408.48	117.72	117.77	8.76	1.13	423561.30	685072.74	N 32	9 49 23 W 103 56
	7509.00	6.86	343.41	7500.83	128.49	128.53	8.87	1.72	423572.08	685070.83	N 32	9 48 59 W 103 56
	7603.00	7.29	339.29	7594.12	139.47	139.49	3.18	0.71	423583.02	685067.14	N 32	9 48 59 W 103 56
	7700.00	9.07	341.59	7690.13	152.51	152.50	-1.43	1.87	423596.03	685062.55	N 32	9 50 08 W 103 56
	7794.00	10.51	347.68	7782.78	167.93	167.91	-5.60	1.88	423611.43	685058.38	N 32	9 50 24 W 103 56

...Original Borehole/Oxy Corral Canyon 36-25 Fed Com 35H Gyro + MWD 0-21108ft MD

Comments	MD (ft)	Incl (°)	Azimuth (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S)	Longitude (E/W)
	7689.00	10.45	349.85	7878.17	184.00	184.85	-8.97	0.42	423028.38	685055.01	N 32	95 50.40 W 103 56 0.68
	7683.00	10.72	351.60	7868.57	201.85	201.89	-11.75	0.45	423045.42	685052.23	N 32	95 50.37 W 103 56 0.69
	8078.00	9.52	340.81	8062.09	218.44	218.38	-14.43	1.31	423061.89	685049.55	N 32	95 50.73 W 103 56 0.72
	8172.00	9.98	355.44	8154.74	234.22	234.14	-18.45	1.13	423077.88	685047.53	N 32	95 50.89 W 103 56 0.75
	8361.00	13.40	358.28	8339.79	272.48	272.38	-18.41	1.83	423115.88	685045.97	N 32	95 51.27 W 103 56 0.77
	8455.00	13.84	359.69	8431.15	294.59	294.49	-18.81	0.58	423138.01	685044.68	N 32	95 51.49 W 103 56 0.77
	8464.00	11.18	358.89	8615.64	333.52	333.42	-18.93	1.41	423178.63	685043.32	N 32	95 52.08 W 103 56 0.77
	8730.00	11.81	4.65	8708.74	354.41	354.32	-18.68	1.35	423181.05	685047.32	N 32	95 52.28 W 103 56 0.74
	8828.00	6.16	12.72	8894.89	388.31	388.24	-14.34	4.81	423282.75	685049.84	N 32	95 52.40 W 103 56 0.72
	9022.00	5.88	354.78	8988.38	396.02	395.95	-13.67	2.02	423303.48	685050.31	N 32	95 52.49 W 103 56 0.71
	9117.00	9.03	353.85	9082.49	408.77	408.70	-14.09	3.95	423352.21	685048.99	N 32	95 52.62 W 103 56 0.72
	9211.00	12.27	353.70	9174.77	426.50	426.48	-16.80	2.84	423369.99	685047.39	N 32	95 52.78 W 103 56 0.74
	9306.00	12.47	353.83	9267.57	446.86	446.77	-18.08	0.21	423390.28	685045.90	N 32	95 53.00 W 103 56 0.76
	9400.00	12.84	359.05	9359.29	487.43	487.34	-18.99	0.85	423391.05	685044.91	N 32	95 53.20 W 103 56 0.77
	9494.00	11.73	350.39	9451.13	487.42	487.32	-18.77	1.33	423390.82	685044.21	N 32	95 53.40 W 103 56 0.77
	9589.00	13.58	4.99	9543.83	503.17	503.07	-19.41	2.77	423391.57	685044.71	N 32	95 53.60 W 103 56 0.77
	9683.00	14.03	7.69	9635.11	530.44	530.36	-16.92	0.84	423393.86	685047.08	N 32	95 53.82 W 103 56 0.74
	9778.00	12.39	0.31	9727.00	551.89	551.83	-13.73	1.77	423399.33	685050.25	N 32	95 54.03 W 103 56 0.70
	9872.00	11.64	5.78	9819.54	571.27	571.22	-11.15	1.12	424014.71	685052.83	N 32	95 54.23 W 103 56 0.67
	9941.00	11.22	9.51	9887.17	584.87	584.82	-0.81	0.81	424028.32	685054.18	N 32	95 54.38 W 103 56 0.65
	10043.00	17.50	9.59	9985.93	610.02	609.99	-7.30	8.18	424053.48	685056.02	N 32	95 54.61 W 103 56 0.63
	10083.00	22.90	8.80	10023.48	623.74	623.71	-9.85	13.84	424087.21	685058.13	N 32	95 54.75 W 103 56 0.61
	10178.00	32.54	359.08	10107.48	687.74	687.73	-4.06	10.61	424111.22	685059.82	N 32	95 55.18 W 103 56 0.58
	10273.00	37.47	357.88	10185.28	722.21	722.19	-5.95	8.45	424155.67	685056.74	N 32	95 55.72 W 103 56 0.60
	10368.00	43.56	358.91	10257.47	783.88	783.85	-7.24	8.45	424227.33	685056.74	N 32	95 56.33 W 103 56 0.62
	10463.00	54.55	359.12	10319.63	855.82	855.89	-8.46	11.57	424288.96	685055.52	N 32	95 57.04 W 103 56 0.63
Wellcamp Intersection	10514.21	58.15	359.13	10348.00	898.14	898.10	-9.11	7.02	424341.58	685054.87	N 32	95 57.48 W 103 56 0.63
	10558.00	61.22	359.13	10370.10	933.93	933.90	-8.69	7.02	424379.37	685054.29	N 32	95 57.83 W 103 56 0.64
	10653.00	64.55	358.95	10413.40	1020.48	1020.43	-11.11	3.51	424483.69	685052.88	N 32	95 58.67 W 103 56 0.65
	10748.00	70.84	359.87	10449.43	1104.32	1104.27	-11.99	6.68	424551.73	685051.99	N 32	95 59.54 W 103 56 0.68
	10760.00	71.76	359.70	10453.28	1119.69	1119.64	-12.03	7.71	424563.10	685051.85	N 32	95 59.65 W 103 56 0.68
	10843.00	78.12	359.02	10474.84	1199.79	1199.74	-12.89	7.71	424843.19	685051.09	N 32	95 60.45 W 103 56 0.68
	10938.00	90.24	358.85	10484.45	1294.12	1294.08	-14.65	12.78	424737.50	685049.33	N 32	95 61.18 W 103 56 0.68
	11000.00	91.08	358.84	10483.75	1356.11	1356.04	-15.90	1.32	424709.48	685048.58	N 32	95 61.99 W 103 56 0.69
	11081.00	91.37	357.80	10482.03	1437.08	1437.09	-18.27	1.34	424880.42	685045.71	N 32	95 62.79 W 103 56 0.72
	11104.00	91.20	357.31	10481.50	1480.04	1480.06	-19.25	2.17	424903.29	685044.73	N 32	95 63.02 W 103 56 0.73
	11175.00	91.03	356.79	10480.08	1530.82	1530.82	-23.52	2.17	424974.24	685040.46	N 32	95 63.72 W 103 56 0.77
	11270.00	88.83	356.31	10480.18	1625.72	1625.58	-30.07	2.38	425069.00	685033.91	N 32	95 64.68 W 103 56 0.85
	11365.00	89.27	356.32	10481.75	1720.54	1720.37	-38.17	0.46	425103.79	685027.81	N 32	95 65.60 W 103 56 0.97
	11459.00	89.45	357.41	10482.00	1814.42	1814.23	-41.31	1.18	425257.83	685022.87	N 32	95 66.53 W 103 56 1.01
	11554.00	88.78	357.87	10484.29	1909.34	1909.13	-45.23	0.87	425325.53	685018.76	N 32	95 67.47 W 103 56 1.06
	11650.00	88.89	358.07	10485.59	2005.26	2005.03	-49.58	1.25	425448.41	685009.61	N 32	95 68.42 W 103 56 1.11
	11744.00	89.27	357.02	10488.44	2099.15	2098.89	-54.47	0.49	425542.27	685008.35	N 32	95 69.34 W 103 56 1.14
	11840.00	88.78	359.21	10488.08	2195.08	2194.82	-57.63	2.34	425638.20	685006.13	N 32	95 70.12 W 103 56 1.14
	11935.00	88.10	359.12	10489.81	2290.07	2289.80	-67.85	1.42	425733.17	685008.03	N 32	95 70.93 W 103 56 1.13
	12030.00	88.48	360.00	10490.99	2385.08	2384.79	-67.42	0.68	425828.15	685008.58	N 32	95 71.75 W 103 56 1.13
	12125.00	88.17	359.38	10492.11	2480.05	2479.78	-67.95	0.75	425923.14	685008.03	N 32	95 72.57 W 103 56 1.13
	12220.00	88.31	0.81	10493.37	2575.04	2574.77	-67.81	1.53	426018.12	685007.17	N 32	95 73.39 W 103 56 1.13
	12314.00	88.14	0.41	10494.64	2669.02	2668.78	-68.81	0.48	426112.10	685007.43	N 32	95 74.21 W 103 56 1.13
	12409.00	88.45	359.90	10495.81	2764.01	2763.75	-68.56	0.83	426207.08	685007.17	N 32	95 75.03 W 103 56 1.13
	12504.00	91.37	1.37	10495.13	2858.99	2858.74	-55.50	2.55	426302.08	685008.48	N 32	95 75.85 W 103 56 1.09
	12599.00	89.65	0.35	10494.29	2953.96	2953.72	-54.08	2.10	426397.03	685009.81	N 32	95 76.67 W 103 56 1.07
	12694.00	91.56	1.45	10493.27	3048.93	3048.69	-52.59	2.34	426492.02	685011.40	N 32	95 77.49 W 103 56 1.05
	12789.00	89.48	359.85	10492.39	3143.90	3143.87	-51.50	2.77	426588.98	685012.48	N 32	95 78.31 W 103 56 1.03
	12884.00	91.20	1.00	10491.82	3238.89	3238.87	-50.79	2.17	426681.88	685013.20	N 32	95 79.13 W 103 56 1.02
	12978.00	89.72	0.56	10491.07	3332.88	3332.85	-49.51	1.84	426775.94	685014.48	N 32	95 80.00 W 103 56 1.00
	13072.00	89.20	359.44	10491.95	3428.88	3428.84	-49.51	1.31	426869.93	685014.48	N 32	95 80.82 W 103 56 0.99
	13168.00	88.31	359.05	10494.04	3522.83	3522.81	-50.77	1.01	426965.89	685013.21	N 32	95 81.64 W 103 56 1.00
	13263.00	89.27	1.09	10498.05	3617.80	3617.59	-50.69	2.33	427060.85	685013.21	N 32	95 82.46 W 103 56 1.00
	13358.00	89.79	1.78	10498.00	3712.78	3712.55	-48.34	1.77	427155.81	685015.02	N 32	95 83.28 W 103 56 0.97
	13453.00	89.14	1.09	10498.05	3807.71	3807.52	-45.96	1.88	427250.77	685016.02	N 32	95 84.10 W 103 56 0.94
	13548.00	89.27	0.77	10497.37	3902.68	3902.50	-44.42	0.38	427345.74	685019.58	N 32	95 84.92 W 103 56 0.91
	13643.00	88.90	1.29	10498.89	3997.64	3997.47	-42.71	0.67	427440.71	685021.27	N 32	95 85.74 W 103 56 0.89
	13738.00	89.72	2.12	10499.21	4092.58	4092.42	-38.89	2.11	427535.65	685024.09	N 32	95 86.56 W 103 56 0.85
	13833.00	89.17	358.70	10499.30	4187.54	4187.40	-38.38	3.03	427630.62	685025.60	N 32	95 87.38 W 103 56 0.83
	13928.00	89.26	2.30	10498.11	4282.49	4282.36	-38.72	4.25	427725.58	685027.28	N 32	95 88.20 W 103 56 0.81
	14023.00	91.03	1.53	10495.38	4377.38	4377.26	-33.55	1.53	427820.47	685030.43	N 32	95 89.02 W 103 56 0.77
	14118.00	88.82	0.32	10495.07	4472.35	4472.24	-32.02	2.84	427915.45	685031.97	N 32	95 89.84 W 103 56 0.75
	14213.00	88.98	0.89	10497.68	4567.32	4567.22	-31.01	0.70	428010.41	685032.97	N 32	95 90.66 W 103 56 0.73
	14308.00	88.21	0.59	10500.03	4662.27	4662.18	-29.79	0.85	428105.37	685034.20	N 32	95 91.48 W 103 56 0.71
	14403.00	89.27	359.32	10504.23	4757.22	4757.13	-28.94	0.87	428200.30	685034.04	N 32	95 92.30 W 103 56 0.70
	14498.00	89.20	0.55	10505.40	4852.19	4852.10	-30.05	1.30	428295.28	685033.94	N 32	95 93.12 W 103 56 0.70
	14593.00	89.00	359.92	10506.69	4947.16	4947.10	-29.68	0.70	428390.26	685034.33	N 32	95 93.94 W 103 56 0.69
	14688.00	89.48	0.42	10507.42	5042.13	5042.07	-29.37	1.84	428485.25	685034.61	N 32	95 94.76 W 103 56 0.69
	14783.00	90.03	0.81	10508.69	5137.10	5137.03	-28.35	0.83	428580.24	685035.83	N 32	95 95.58 W 103 56 0.67
	14878.00	88.59	359.82	10508.14	5232.15	5232.08	-27.83	1.84	428675.22	685036.15	N 32	95 96.40 W 103 56 0.66
	14973.00	81.27	1.01	10508.25	5327.13	5327.08	-26.57	2.89	428770.20	685036.84	N 32	95 97.22 W

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VBEC (ft)	NS (ft)	EW (ft)	DLS (1"/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S ° ° ' '')	Longitude (E/W ° ° ' '')
	18013.00	91.18	358.85	10512.70	8366.17	8366.12	-30.92	0.98	431809.03	685033.06	N 32 11 11.38 W 103 56 0.56	
	18108.00	88.24	357.81	10513.20	8461.13	8461.07	-33.69	3.28	431803.97	685030.29	N 32 11 12.30 W 103 56 0.59	
	18203.00	88.62	358.07	10514.98	8558.07	8555.99	-37.11	1.48	431908.88	685026.88	N 32 11 13.24 W 103 56 0.63	
	18298.00	88.21	358.43	10516.78	8651.02	8650.92	-40.01	1.53	432093.81	685023.88	N 32 11 14.18 W 103 56 0.68	
	18393.00	89.55	357.90	10518.53	8745.96	8745.86	-43.00	1.49	432188.74	685020.99	N 32 11 15.12 W 103 56 0.69	
	18488.00	92.08	359.78	10517.30	8840.93	8840.82	-44.87	3.28	432283.69	685019.11	N 32 11 16.06 W 103 56 0.71	
	18583.00	92.27	359.67	10513.71	8935.86	8935.75	-45.33	0.25	432378.61	685018.34	N 32 11 17.04 W 103 56 0.71	
	18678.00	91.99	359.95	10510.18	9030.80	9030.68	-45.84	0.42	432473.54	685016.92	N 32 11 18.06 W 103 56 0.72	
	18773.00	89.10	358.34	10509.27	9125.77	9125.65	-47.08	3.48	432568.51	685015.73	N 32 11 19.01 W 103 56 0.75	
	18868.00	88.52	357.80	10511.25	9220.72	9220.58	-50.28	0.63	432663.42	685014.48	N 32 11 20.75 W 103 56 0.78	
	18963.00	87.83	358.28	10514.19	9315.63	9315.48	-53.51	0.80	432758.31	685013.21	N 32 11 21.69 W 103 56 0.81	
	19058.00	88.52	358.34	10517.13	9410.58	9410.39	-56.31	0.62	432853.22	685012.05	N 32 11 22.63 W 103 56 0.85	
	19153.00	88.10	358.00	10519.93	9505.48	9505.30	-58.34	0.57	432948.12	685010.85	N 32 11 23.57 W 103 56 0.88	
	19248.00	88.89	0.39	10522.43	9600.44	9600.25	-60.67	2.65	433043.07	685009.31	N 32 11 24.51 W 103 56 0.91	
	19343.00	90.75	0.88	10522.73	9695.42	9695.24	-59.82	2.02	433138.05	685008.14	N 32 11 25.27 W 103 56 0.87	
	19533.00	89.38	358.38	10522.51	9885.40	9885.21	-60.85	1.50	433232.01	685007.00	N 32 11 26.39 W 103 56 0.85	
	19628.00	92.02	0.05	10521.35	9980.38	9980.19	-62.15	3.29	433422.97	685005.84	N 32 11 27.33 W 103 56 0.86	
	19723.00	89.10	357.74	10520.42	10075.35	10075.15	-63.98	3.92	433517.93	685004.65	N 32 11 28.39 W 103 56 0.87	
	19818.00	90.48	358.48	10520.77	10170.30	10170.09	-67.13	1.84	433612.87	684998.86	N 32 11 29.21 W 103 56 0.91	
	19913.00	90.10	358.00	10520.29	10265.27	10265.05	-70.08	0.63	433707.81	684998.86	N 32 11 30.15 W 103 56 0.94	
	20008.00	92.09	358.38	10518.47	10360.22	10359.98	-73.08	2.13	433802.73	684998.86	N 32 11 31.08 W 103 56 0.97	
	20103.00	91.54	358.25	10515.47	10455.14	10454.89	-75.88	0.59	433897.64	684998.13	N 32 11 32.03 W 103 56 1.00	
	20198.00	91.30	358.92	10513.11	10550.09	10549.83	-78.20	0.75	433992.57	684995.78	N 32 11 32.97 W 103 56 1.02	
	20293.00	91.30	359.56	10510.96	10645.06	10644.79	-79.46	0.87	434087.53	684994.53	N 32 11 33.91 W 103 56 1.03	
	20388.00	91.34	358.26	10508.77	10740.03	10739.75	-81.27	1.37	434182.48	684992.72	N 32 11 34.85 W 103 56 1.05	
	20483.00	90.17	358.20	10507.52	10834.99	10834.70	-84.20	1.23	434277.42	684991.78	N 32 11 35.79 W 103 56 1.08	
	20578.00	91.40	359.80	10505.21	10929.97	10929.67	-85.80	2.12	434372.38	684991.13	N 32 11 36.73 W 103 56 1.09	
	20673.00	90.34	358.48	10504.77	11024.95	11024.64	-87.29	1.78	434467.35	684990.70	N 32 11 37.67 W 103 56 1.10	
	20768.00	91.23	358.38	10503.48	11119.92	11119.60	-89.70	0.95	434561.30	684989.29	N 32 11 38.60 W 103 56 1.13	
	20862.00	89.65	358.19	10502.78	11213.89	11213.58	-92.37	1.71	434656.25	684987.81	N 32 11 39.54 W 103 56 1.16	
Bottom Part Cross	21005.00	89.03	358.02	10504.40	11358.82	11358.47	-97.10	0.45	434759.15	684986.89	N 32 11 40.95 W 103 56 1.20	
Final MWD	21052.00	88.83	357.97	10505.27	11403.79	11403.43	-98.74	0.45	434846.11	684985.25	N 32 11 41.42 W 103 56 1.22	
Proj to TD	21108.00	88.83	357.97	10506.42	11459.78	11459.39	-100.72	0.00	434902.06	684983.27	N 32 11 41.97 W 103 56 1.24	

Survey Type: Def Survey

Survey Error Model: ISCW5A 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	1/98 425	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Corral Canyon 36-25 Fed Com 35H Gyro + MWD 0-21108ft MD
	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 35H Gyro + MWD 0-21108ft MD
	1	28 500	525 260	Act Sns	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Corral Canyon 36-25 Fed Com 35H Gyro
	1	525 260	21108 000	Act Sns	30.000	30.000	NAL_MWD_IFR1+MS	Original Borehole / Oxy Corral Canyon 36-25 Fed Com 35H Gyro

...Original Borehole/Oxy Corral Canyon 36-25 Fed Com 35H Gyro + MWD 0-21108ft MD

Schlumberger

OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Corral Canyon 36-25 Fed Com 35H	NM Eddy County (NAD 83)	Oxy Corral Canyon 36-25 Fed Com 35H

Gravity & Magnetic Parameters					Surface Location					Miscellaneous					
Model:	SPH	Dep:	50.000'	Date:	05-Nov-2010	Lat:	N 33.0 00.00	Northing:	423443.54910	Grid Zone:	6.2129	Bar:	General Canyon 35- 35 Fwd Cam 23H	TYD Ref:	AFRL2110 HTW HWS USJ
MagnDep:	6.000'	PA:	47.042.001	Gravity PA:	9.80646 m/s ² (9.80665 m/s ²)	Long:	W 103.30 0.37	Eastng:	605063.00010	Scale Factor:	6.98962942	Peak:	General Canyon 35-25 Fwd Cam 25H Gyro + GPSD 6411105R USJ		