

Gillfield 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

December 16, 2016

Oxy USA Incorporated
5 Greenway Plaza Ste 110
Houston, TX 77046-0521

Re:

22, 24S, 29E, Eddy NM
-32.20250 -103.96411

CLIENT: Oxy USA Incorporated
WELL: Cedar Canyon 22 Federal Com 4H
FIELD: Pierce Crossing

RIG: H&P639
COUNTY: Eddy
API NO: 30-015-43708
JOB NO: 16MLD2121

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>
Jonathan Schuba FE	Cedar Canyon 22 Federal Com 4H Original Hole	494.00 Ft to 13394.00 Ft	October 28, 2016 to December 15, 2016	TelePacer SlimPulse

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

Dana Carlos
Field Service Manager

Reservoir Development

Schlumberger Drilling and Measurements

9200 West Reno Avenue

Oklahoma City, Oklahoma 73127 USA

Phone: (405) 789-1515

Fax: (405) 789-1519

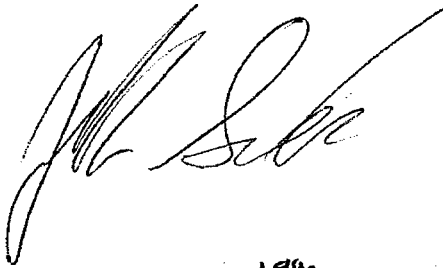
Well Reference:

22, 24S, 29E, Eddy NM

-32.20250 -103.96411

I, Jonathan Schuba certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of October 28, 2016 through December 15, 2016, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 494.00 feet to a depth of 13394.00 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 Incorporated for the Cedar Canyon 22 Federal Com 4H Well (Original Hole) API No. 30-015-43708 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.

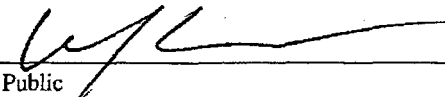
By
Jonathan Schuba
FE

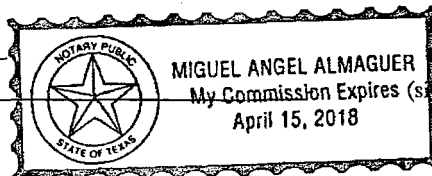


Subscribed and Sworn to before me this 19th day of December (month) 2016 (yr)

My Commission expires:

April 15, 2018


Notary Public

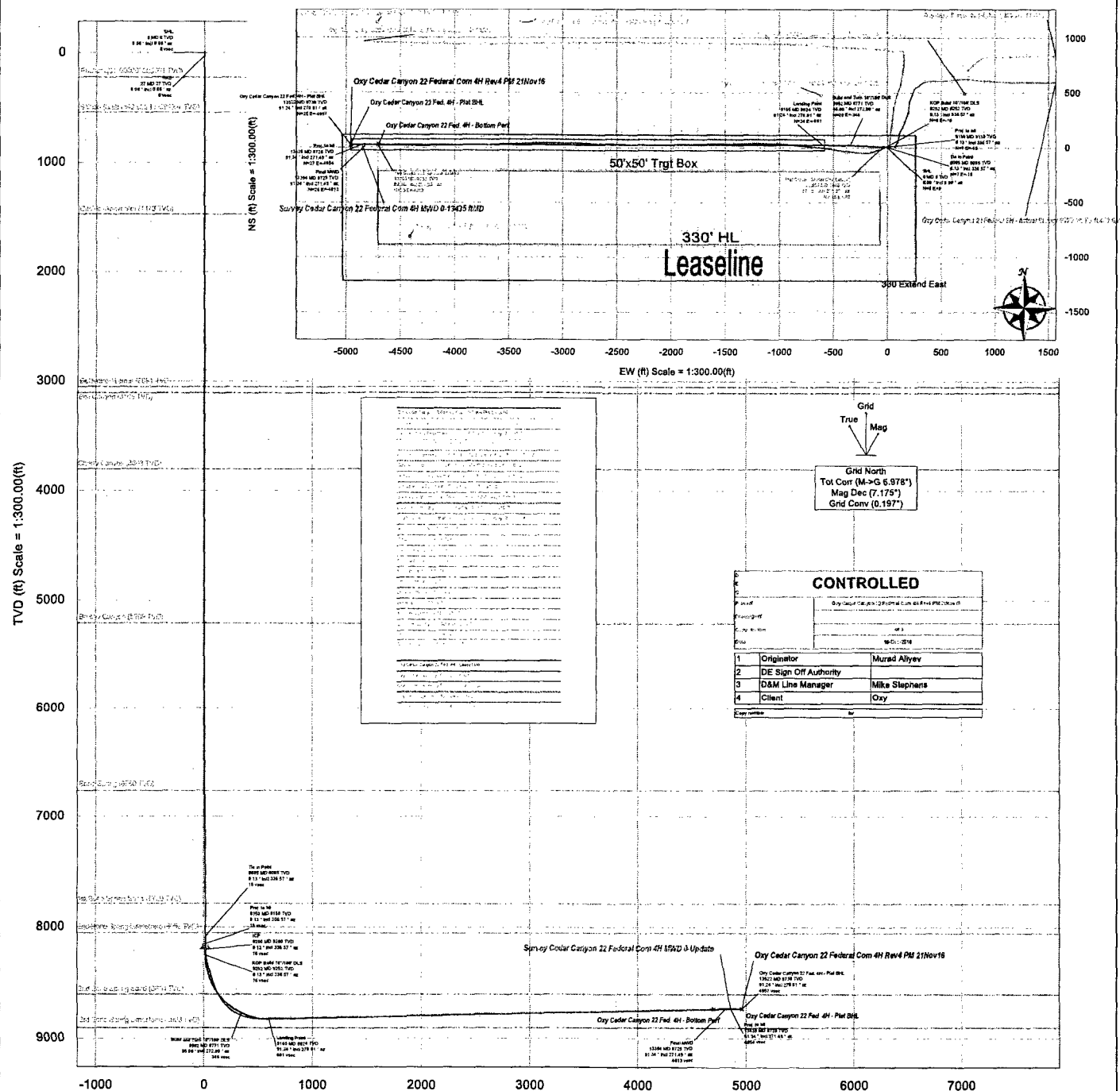


Harris
(County State)

Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Cedar Canyon 22 Federal Com 4H	NM Eddy County (NAD 27)	Oxy Cedar Canyon 22 Federal Com 4H
Geographic & Magnetic Parameters			
Model: NAD83 2011	Dip: 68.94°	Date: 21-Nov-2016	Surface Location: NAD27 New Mexico State Plane, Eastern Zone, US Feet
MagDec: 7.175°	FS: 48183.234mT	Gravity FS: 998.467mgm (3.8565 Gauss)	Lat: N 32 12 9.01
			Northing: 437586.72mUS
			Grid Conv: 0.1908°
			Scale Fact: 0.99992403
			MagDec: Oxy Cedar Canyon 22 Fed. Com 4H
			TVD Ref: RKB(2984.9ft above MSL)
			Plan: Oxy Cedar Canyon 22 Federal Com 4H Rev4 PM 21Nov16

Critical Points

Comments	Survey MD (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Sub-Sea TVD	VS (ft)	NS (ft)	EW (ft)	Latitude (deg)	Longitude (deg)	Easting (ftUS)	Northing (ftUS)	DLS (/100ft)	Tool Face (deg)	
Tie in Point	8085.00	0.13	336.57	8084.92	5100.02	15.40	7.31	-15.36 N	32 12	9.087 W	103 57 50.968	614190.52	437594.04	0.05	336.57
Proj. to bit	8150.00	0.13	336.57	8149.92	5165.02	15.46	7.44	-15.42 N	32 12	9.088 W	103 57 50.969	614190.46	437594.17	0.00	336.57
ICP	8200.08	0.13	336.57	8200.00	5215.10	15.50	7.55	-15.47 N	32 12	9.089 W	103 57 50.970	614190.42	437594.28	0.00	336.57
KOP Build 10°/100' DLS	8252.08	0.13	336.57	8252.00	5267.10	15.55	7.66	-15.51 N	32 12	9.090 W	103 57 50.970	614190.37	437594.39	0.00	-0.19
2nd Bone Spring Sand	8631.28	37.98	272.10	8604.00	5619.10	136.79	12.50	-136.73 N	32 12	9.142 W	103 57 52.381	614069.16	437599.23	10.00	272.00
Build and Turn 10°/100' DLS	8901.52	65.00	272.00	8770.72	5785.82	346.20	19.95	-346.10 N	32 12	9.223 W	103 57 54.817	613859.81	437606.68	10.00	-4.49
Landing Point	9164.66	91.24	270.01	8824.41	5839.51	601.42	24.21	-601.31 N	32 12	9.274 W	103 57 57.787	613604.62	437610.94	10.00	
Oxy Cedar Canyon 22 Fed. 4H - Plat BHL	13521.57	91.24	270.01	8729.90	5745.00	4957.26	25.00	-4957.20 N	32 12	9.426 W	103 58 48.479	609249.07	437611.73	0.00	



CONTROLLED

1	Originator	Murad Aliyev
2	DE Sign Off Authority	
3	O&M Line Manager	Mike Stephens
4	Client	Oxy



Survey Cedar Canyon 22 Federal Com 4H MWD 0-13435 ftMD Survey

Geodetic Report

(Def Survey)

Report Date:	December 16, 2016 - 09:07 AM	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	OXY	Vertical Section Azimuth:	270.289 ° (Grid North)
Field:	NM Eddy County (NAD 27)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Slot:	Oxy Cedar Canyon 22 Federal Com 4H / Oxy Cedar Canyon 22 Fed. Com 4H	TVD Reference Datum:	RKB
Well:	Oxy Cedar Canyon 22 Federal Com 4H	TVD Reference Elevation:	2984.900 ft above MSL
Borehole:	Original Borehole	Seabed / Ground Elevation:	2958.400 ft above MSL
UWI / API#:	Unknown / Unknown	Magnetic Declination:	7.182 °
Survey Name:	Survey Cedar Canyon 22 Federal Com 4H MWD 0-13435 ftMD	Total Gravity Field Strength:	998.4673mgn (9.80665 Based)
Survey Date:	November 21, 2016	Gravity Model:	GARM
Tort / AHD / DDI / ERD Ratio:	155.301 ° / 4877.976 ft / 6.062 / 0.553	Total Magnetic Field Strength:	48191.260 nT
Coordinate Reference System:	NAD27 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Dip Angle:	60.050 °
Location Lat / Long:	N 32° 12' 9.01410", W 103° 57' 50.78983"	Declination Date:	October 25, 2016
Location Grid N/E Y/X:	N 437586.730 ftUS, E 614205.880 ftUS	Magnetic Declination Model:	HDGM 2016
CRS Grid Convergence Angle:	0.1968 °	North Reference:	Grid North
Grid Scale Factor:	0.99992403	Grid Convergence Used:	0.1968 °
Version / Patch:	2.10.254.0	Total Corr Mag North->Grid North:	6.9856 °
		Local Coord Referenced To:	Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northings (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL RKB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	437586.73	614205.88	N 32 12 9.01	W 103 57 50.79
	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	437586.73	614205.88	N 32 12 9.01	W 103 57 50.79
	494.00	0.46	330.71	493.99	0.93	1.64	-0.92	0.10	437588.37	614204.96	N 32 12 9.03	W 103 57 50.80
	509.00	1.05	175.96	508.99	0.95	1.55	-0.94	9.86	437588.28	614204.94	N 32 12 9.03	W 103 57 50.80
	690.00	0.00	0.00	689.98	0.82	-0.10	-0.82	0.58	437586.63	614205.06	N 32 12 9.01	W 103 57 50.80
	871.00	0.07	71.74	870.98	0.72	-0.07	-0.72	0.04	437586.66	614205.16	N 32 12 9.01	W 103 57 50.80
	1334.00	0.00	0.00	1333.98	0.45	0.02	-0.45	0.02	437586.75	614205.43	N 32 12 9.01	W 103 57 50.80
	1428.00	0.09	300.32	1427.98	0.51	0.06	-0.51	0.10	437586.79	614205.37	N 32 12 9.01	W 103 57 50.80
	1522.00	0.11	289.41	1521.98	0.66	0.13	-0.66	0.03	437586.86	614205.22	N 32 12 9.02	W 103 57 50.80
	1804.00	0.04	280.25	1803.98	1.01	0.23	-1.01	0.03	437586.96	614204.87	N 32 12 9.02	W 103 57 50.80
	1993.00	0.15	326.74	1992.98	1.22	0.45	-1.21	0.07	437587.18	614204.67	N 32 12 9.02	W 103 57 50.80
	2087.00	0.22	325.16	2086.98	1.39	0.70	-1.38	0.07	437587.43	614204.50	N 32 12 9.02	W 103 57 50.81
	2181.00	0.35	328.08	2180.98	1.64	1.09	-1.64	0.14	437587.82	614204.24	N 32 12 9.02	W 103 57 50.81
	2276.00	0.51	327.56	2275.98	2.03	1.70	-2.02	0.17	437588.43	614203.86	N 32 12 9.03	W 103 57 50.81
	2653.00	0.00	181.96	2652.97	2.93	3.11	-2.92	0.14	437589.84	614202.96	N 32 12 9.05	W 103 57 50.82
	2936.00	0.29	296.05	2935.97	3.58	3.43	-3.56	0.10	437590.16	614202.32	N 32 12 9.05	W 103 57 50.83
	3218.00	0.00	115.57	3217.97	4.22	3.74	-4.20	0.10	437590.47	614201.68	N 32 12 9.05	W 103 57 50.84
	3500.00	0.04	229.42	3499.97	4.30	3.68	-4.28	0.01	437590.41	614201.60	N 32 12 9.05	W 103 57 50.84
	3595.00	0.04	284.67	3594.97	4.35	3.66	-4.34	0.04	437590.39	614201.55	N 32 12 9.05	W 103 57 50.84
	4065.00	0.02	0.00	4064.97	4.51	3.79	-4.49	0.01	437590.52	614201.39	N 32 12 9.05	W 103 57 50.84
	4537.00	0.07	83.11	4536.97	4.23	3.90	-4.21	0.01	437590.63	614201.67	N 32 12 9.05	W 103 57 50.84
	5008.00	0.06	0.00	5007.97	3.94	4.19	-3.92	0.02	437590.92	614201.96	N 32 12 9.06	W 103 57 50.84
	5480.00	0.13	268.38	5479.97	4.48	4.42	-4.46	0.03	437591.15	614201.42	N 32 12 9.06	W 103 57 50.84
	5762.00	0.11	327.16	5761.97	4.95	4.64	-4.92	0.04	437591.37	614200.96	N 32 12 9.06	W 103 57 50.85
	5857.00	0.07	141.34	5856.97	4.96	4.67	-4.94	0.19	437591.40	614200.94	N 32 12 9.06	W 103 57 50.85
	6045.00	0.04	109.21	6044.97	4.83	4.56	-4.80	0.02	437591.29	614201.08	N 32 12 9.06	W 103 57 50.85
	6139.00	0.11	254.65	6138.97	4.88	4.52	-4.86	0.15	437591.25	614201.02	N 32 12 9.06	W 103 57 50.85
	6234.00	0.18	294.96	6233.97	5.11	4.56	-5.08	0.13	437591.29	614200.80	N 32 12 9.06	W 103 57 50.85
	6423.00	0.20	220.87	6422.97	5.59	4.44	-5.57	0.12	437591.17	614200.31	N 32 12 9.06	W 103 57 50.85
	6611.00	0.20	272.54	6610.97	6.13	4.20	-6.11	0.09	437590.93	614199.77	N 32 12 9.06	W 103 57 50.86
	6894.00	1.01	293.15	6893.95	8.92	5.21	-8.90	0.29	437591.93	614196.98	N 32 12 9.07	W 103 57 50.89
	7083.00	0.44	276.03	7082.93	11.18	5.94	-11.15	0.32	437592.67	614194.73	N 32 12 9.07	W 103 57 50.92
	7271.00	0.37	286.51	7270.93	12.48	6.18	-12.45	0.05	437592.91	614193.43	N 32 12 9.08	W 103 57 50.93
	7553.00	0.35	281.07	7552.92	14.20	6.61	-14.17	0.01	437593.34	614191.71	N 32 12 9.08	W 103 57 50.95
	7742.00	0.15	306.05	7741.92	14.97	6.87	-14.93	0.12	437593.59	614190.95	N 32 12 9.08	W 103 57 50.96
	7930.00	0.07	311.12	7929.92	15.26	7.09	-15.22	0.04	437593.82	614190.66	N 32 12 9.08	W 103 57 50.97
	8085.00	0.13	336.57	8084.92	15.40	7.31	-15.36	0.05	437594.04	614190.52	N 32 12 9.09	W 103 57 50.97
	8232.00	3.94	227.88	8231.81	19.20	4.07	-19.18	2.71	437590.80	614186.71	N 32 12 9.06	W 103 57 51.01
	8294.00	12.56	240.62	8293.11	26.64	-0.67	-26.64	14.13	437586.06	614179.24	N 32 12 9.01	W 103 57 51.10
	8388.00	18.96	252.82	8383.55	50.12	-10.21	-50.17	7.63	437576.52	614155.71	N 32 12 8.91	W 103 57 51.37
	8482.00	16.44	257.50	8473.10	77.66	-17.60	-77.75	3.08	437569.13	614128.13	N 32 12 8.84	W 103 57 51.70
	8575.00	27.15	246.48	8559.36	110.02	-28.95	-110.16	12.28	437557.78	614095.73	N 32 12 8.73	W 103 57 52.07
	8669.00	35.39	256.68	8639.69	156.21	-43.82	-156.43	10.39	437542.91	614049.46	N 32 12 8.59	W 103 57 52.61
	8763.00	45.30	270.59	8711.39	216.34	-49.77	-216.59	14.19	437536.96	613989.30	N 32 12 8.53	W 103 57 53.31
	8880.00	64.83	277.05	8778.12	311.49	-42.77	-311.71	17.28	437543.96	613894.20	N 32 12 8.60	W 103 57 54.42
	8975.00	76.62	277.89	8809.42	400.30	-31.11	-400.46	12.44	437555.62	613805.45	N 32 12 8.72	W 103 57 55.45
	9030.00	85.32	278.99	8818.05	454.01	-23.14	-454.14	15.94	437563.59	613751.78	N 32 12 8.80	W 103 57 56.08
	9135.00	91.96	277.59	8820.54	557.90	-8.02	-557.95	6.46	437578.71	613647.97	N 32 12 8.95	W 103 57 57.28
	9229.00	90.93	275.70	8818.17	651.29	2.86	-651.28	2.29	437589.59	613554.65	N 32 12 9.06	W 103 57 58.37
	9322.00	90.72	274.89	8816.83	743.92	11.44	-743.88	0.90	437598.17	613462.06	N 32 12 9.15	W 103 57 59.45
	9415.00	90.48	274.82	8815.85	836.62	19.31	-836.54	0.27	437606.04	613369.41	N 32 12 9.23	W 103 58 0.52
	9509.00	91.34	274.92	8814.36	930.31	27.29	-930.19	0.92	437614.01	613275.77	N 32 12 9.32	W 103 58 1.61
	9603.00	91.69	273.34	8811.88	1024.06	34.05	-1023.91	1.72	437620.78	613182.05	N 32 12 9.39	W 103 58 2.70
	9696.00	91.24	270.38	8809.50	1116.99	37.07	-1116.82	3.22	437623.80	613089.15	N 32 12 9.42	W 103 58 3.79
	9790.00	90.55	269.04	8808.03	1210.97	36.59	-1210.80	1.60	437623.32	612995.17	N 32 12 9.42	W 103 58 4.88
	9884.00	90.83	269.40	8806.90	1304.95	35.32	-1304.78	0.49	437622.04	612901.20	N 32 12 9.41	W 103 58 5.97
	9977.00	91.07	269.14	8805.36	1397.92	34.13	-1397.76	0.38	437620.86	612808.23	N 32 12 9.40	W 103 58 7.06
	10164.00	91.00	269.46	8801.98	1584.86	31.85	-1584.72	0.18	437618.57	612621.28	N 32 12 9.38	W 103 58 9.23
	10258.00	90.59	269.02	8800.67	1678.83	30.60	-1678.70	0.64	437617.33	612527.31	N 32 12 9.37	W 103 58 10.32
	10352.00	91.27	269.14	8799.15	1772.80	29.09	-1772.68	0.73	437615.82	612433.34	N 32 12 9.36	W 103 58 11.42
	10445.00	92.58	269.22	8796.02	1865.73	27.76	-1865.61	1.41	437614.49	612340.41	N 32 12 9.35	W 103 58 12.50
	10632.00	90.96	269.17	8790.25	2052.60	25.13	-2052.50	0.87	437611.86	612153.54	N 32 12 9.33	W 103 58 14.68
	10726.00	91.13	269.36	8788.53	2146.57	23.93	-2146.47	0.27	437610.66	612059.57	N 32 12 9.32	W 103 58 15.77
	10913.00	91.00	271.22	8785.06	2333.53	24.88	-2333.43	1.00	437611.60	611872.63	N 32 12 9.34	W 103 58 17.94
	11006.00	92.51	271.20	8782.21	2426.47	26.84	-2426.36	1.62	437613.57	611779.70	N 32 12 9.36	W 103 58 19.03
	11101.00	91.21	271.23	8779.13	2521.40	28.85	-2521.29	1.37	437615.58	611684.79	N 32 12 9.38	W 103 58 20.13
	11195.00	90.89	271.49	8777.40	2615.37	31.08	-2615.25	0.44	437617.81	611590.84	N 32 12 9.41	W 103 58 21.22
	11289.00	90.41	272.27	8776.34	2709.33	34.17	-2709.19	0.97	437620.89	611496.90	N 32 12 9.44	W 103 58 22.32
	11382.00	90.34	272.04	8775.73	2802.28	37.66	-2802.12	0.26	437624.39	611403.98	N 32 12 9.48	W 103 58 23.40
	11477.00	91.92	270.72	8773.85	2897.24	39.95	-2897.07	2.17	437626.68	611309.03	N 32 12 9.51	W 103 58 24.50
	11664.00	90.79	269.44	8769.43	3084.18	40.21	-3084.01	0.91	437626.94	611122.11	N 32 12 9.52	W 103 58 26.66

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 ° ' '')
	11759.00	89.55	269.39	8769.15	3179.16	39.24	-3179.01	1.31	437625.97	611027.12	N 32 12 9.51	W 103 58 27.78
	11853.00	90.69	268.91	8768.95	3273.14	37.85	-3272.99	1.32	437624.57	610933.14	N 32 12 9.50	W 103 58 28.88
	11947.00	91.68	269.17	8767.01	3367.10	36.27	-3366.96	1.09	437623.00	610839.18	N 32 12 9.49	W 103 58 29.97
	12041.00	91.72	267.14	8764.22	3460.99	33.25	-3460.86	2.16	437619.97	610745.29	N 32 12 9.46	W 103 58 31.06
	12134.00	92.10	267.40	8761.12	3553.81	28.82	-3553.71	0.50	437615.55	610652.45	N 32 12 9.42	W 103 58 32.15
	12228.00	91.68	269.31	8758.02	3647.70	26.12	-3647.61	2.08	437612.85	610558.55	N 32 12 9.39	W 103 58 33.24
	12322.00	91.51	268.90	8755.40	3741.64	24.66	-3741.56	0.47	437611.38	610464.61	N 32 12 9.38	W 103 58 34.33
	12416.00	91.66	269.29	8752.56	3835.58	23.17	-3835.51	0.63	437609.90	610370.67	N 32 12 9.37	W 103 58 35.43
	12510.00	91.27	269.04	8749.91	3929.52	21.80	-3929.46	0.78	437608.53	610276.73	N 32 12 9.36	W 103 58 36.52
	12604.00	91.10	269.13	8747.97	4023.48	20.30	-4023.43	0.20	437607.03	610182.77	N 32 12 9.35	W 103 58 37.61
	12698.00	90.76	268.58	8746.44	4117.44	18.42	-4117.40	0.69	437606.15	610088.80	N 32 12 9.33	W 103 58 38.71
	12792.00	91.41	269.10	8744.66	4211.39	16.52	-4211.36	0.89	437603.25	609994.85	N 32 12 9.32	W 103 58 39.80
	12885.00	91.41	270.04	8742.37	4304.35	15.82	-4304.33	1.01	437602.55	609901.89	N 32 12 9.31	W 103 58 40.88
	12979.00	91.20	270.98	8740.23	4398.33	16.66	-4398.30	1.02	437603.39	609807.92	N 32 12 9.33	W 103 58 41.97
	13073.00	90.76	271.03	8738.62	4492.31	18.31	-4492.27	0.47	437605.04	609713.96	N 32 12 9.34	W 103 58 43.07
	13166.00	91.48	271.27	8736.80	4585.28	20.17	-4585.23	0.82	437606.90	609621.00	N 32 12 9.37	W 103 58 44.15
	13260.00	92.23	271.25	8733.76	4679.21	22.24	-4679.16	0.80	437608.97	609527.08	N 32 12 9.39	W 103 58 45.24
	13354.00	91.79	271.58	8730.46	4773.14	24.56	-4773.07	0.58	437611.29	609433.18	N 32 12 9.42	W 103 58 46.34
Final MWD	13394.00	91.34	271.49	8729.37	4813.11	25.63	-4813.04	1.15	437612.36	609393.21	N 32 12 9.43	W 103 58 46.80
Proj. to bit	13435.00	91.34	271.49	8728.41	4854.09	26.70	-4854.02	0.00	437613.42	609352.24	N 32 12 9.44	W 103 58 47.28

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	26.500	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG- Depth Only	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD 0-13435 ftMD
	1	26.500	494.000	1/98.425	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	494.000	871.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	871.000	1334.000	1/98.425	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	1334.000	2276.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	2276.000	2653.000	1/98.425	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	2653.000	3595.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	3595.000	4065.000	1/98.425	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	4065.000	4065.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	4065.000	4537.000	1/98.425	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	4537.000	4537.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	4537.000	5008.000	1/98.425	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	5008.000	5008.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	5008.000	5480.000	1/98.425	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD
	1	5480.000	13435.000	Act Stns	30.000	30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Survey Cedar Canyon 22 Federal Com 4H MWD

OXY USA Inc.
Cedar Canyon 22 Federal Com 4H
API No. 30-015-43708

14-3/4" hole @ 495'
10-3/4" csg @ 488'
w/ 382sx-TOC-Surf Circ

9-7/8" hole @ 8205'
7-5/8" csg @ 8197'
w/ 2886sx-TOC-Surf Circ

6-3/4" hole @ 13435'
5-1/2" x 4-1/2" csg @ 13424'
w/ 500sx-TOC-6630' CBL

Perfs @ 8827-13265'

TD- 13435' M 8728'V