

Reservoir Development

PathFinder, a Schlumberger Company
9200 West Reno Avenue
Oklahoma City, Oklahoma 73127 USA
Phone: (405) 789-1515
Fax: (405) 789-1519



NM OIL CONSERVATION

ARTESIA DISTRICT

November 14, 2015

MAY 03 2016

RECEIVED

OXY USA INC.
5 Greenway Plaza, Suite 110
HOUSTON, TX 77046-0521

Re:

Sec 28, T24S, R29E, Eddy
32.185763 N, 103.981099 W

CLIENT: OXY USA INC.
WELL: CEDAR CANYON 27 FEDERAL 7H
FIELD: PIERCE CROSSING; BONE
SPRING, EAST
RIG: H&P 615
COUNTY: EDDY
API NO: 30-015-43233
JOB NO: 15MLD2439

Enclosed, please find the original copy of the survey performed on the referenced well by PathFinder, 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>
Kane Junmanee FE	CEDAR CANYON 27 FEDERAL 7H Original Hole	8098.00 Ft to 13847.00 Ft	November 10, 2015 to November 14, 2015	SlimPulse

A plat of the bottom hole location is oriented both to the surface location and to the lease lines (or until line in case of pooling), is attached to the survey report.

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

Alexander Paharsingh
Field Service Manager

CC: OXY USA INC.
Enclosures: [2]
County of EDDY
State of NEW MEXICO

Reservoir Development

PathFinder, a Schlumberger Company
9200 West Reno Avenue
Oklahoma City, Oklahoma 73127 USA
Phone: (405) 789-1515
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I, Kane Jumanee certify that: I am employed by Schlumberger Drilling and Measurements; that I did on the day(s) of November 10, 2015 through November 14, 2015, conduct or supervise the taking of the SlimPulse surveys from a depth of 8098.00 feet to a depth of 13847.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Schlumberger Drilling and Measurements; that I am authorized and qualified to make this report; that this survey W71 request of OXY USA WTP LP for the CEDAR CANYON 27 FEDERAL 7H Well (Original Hole) API No. 30-015-43233 and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Schlumberger Drilling and Measurements.

Emily Martin Signed on behalf of Kane Jumanee
by Emily Martin

By
Kane Jumanee
MWD

Subscribed and Sworn to before me this 18th day of December (month) 2015 (yr)

My Commission expires:

September 5, 2016

Michelle Ellwood

Notary Public

Midland, TX
(County State)



SCHLUMBERGER

Survey Report

14-Nov-2015

Client.....: OXY USA INC.
 Field.....: PIERCE CROSSING, BONE SPRING, EAST

Well.....: Cedar Canyon 27 Federal 7H
 API number.....: 30-015-43233
 Engineer.....: Kane Jumanee

Spud date.....: 22-Sep-15
 Last survey date.....: 14-Nov-15
 Total accepted surveys.....: 62
 MD of first survey.....: 8098.00 ft
 MD of last survey.....: 13847.00 ft

County.....: Lddy
 State.....: New Mexico
 Rig.....: H&P 615

Latitude.....: 32° 11' 9.193" N
 Longitude.....: 103° 58' 52.422" W

----- Survey calculation methods -----

Method for positions...: Minimum curvature
 Method for DLS.....: Lubinski

----- Depth reference -----

Permanent datum.....: MSL
 Depth reference.....: Driller's Depth
 GL above permanent.....: 2924.30
 KB above permanent.....: 2950.80
 DF above permanent.....: 2950.80

----- Vertical section origin -----

Latitude (+N/S-).....: 0.00 ft
 Departure (+E/W-).....: 0.00 ft

----- Grid Coordinates -----

NAD27 New Mexico State Plane, Eastern Zone, US Feet
 X.....: 608930.22 ft
 Y.....: 431524.22 ft

Azimuth from Vsect Origin to target: 99.16 degrees

----- MWD Survey Reference Criteria -----

-----Run1----- Calculation Date: 9-Nov-2015
 Location G....: 998.94325 mgn Tolerance G....: 2.50 mgn
 Location B....: 48340.17 nT Tolerance B....: 300.00 nT
 Magnetic Dip: 60.0443 degrees Tolerance Dip: 0.45 degrees

-----Run2----- Calculation Date: 11-Nov-2015
 Location G....: 998.94325 mgn Tolerance G....: 2.50 mgn
 Location B....: 48339.59 nT Tolerance B....: 300.00 nT
 Magnetic Dip: 60.0443 degrees Tolerance Dip: 0.45 degrees

HDGM Model: 2015

-----Run1-----

Magnetic dec (+E/W-).....: 7.2782 degrees
 Grid Conv (+E/W-).....: 0.1882 degrees
 Total Azim Corr (+E/W-).....: 7.09 degrees

-----Run2-----

Magnetic dec (+E/W-).....: 7.2776 degrees
 Grid Conv (+E/W-).....: 0.1876 degrees
 Total Azim Corr (+E/W-).....: 7.09 degrees

----- Survey Correction Index Description -----

0 = Uncorrected 1 = Sag Corrected
 2 = DMAG Corrected 3 = Sag + DMAG Corrected

===== Survey List =====													
Seq	MD (ft)	Incl (deg)	Azim (deg)	Course (ft)	TVD (ft)	V Sec (ft)	N/S (ft)	E/W (ft)	Closure (ft)	at Azi (deg)	DLS (deg/100ft)	Tool	Correction
1	0.00	0.00	0.00	-999.25	0.00	0.00	0.00	0.00	0	90.00	0.00	TIP	0
2	26.50	0.01	44.57	26.50	26.50	0.00	0.00	0.00	0	44.57	0.04	GL	0
3	438.00	0.24	44.57	411.50	438.00	0.52	0.64	0.63	0.9	44.57	0.06	Other	0
4	515.00	0.28	44.57	77.00	515.00	0.72	0.89	0.88	1.25	44.57	0.05	Other	0
5	696.00	0.31	214.79	181.00	696.00	0.77	0.80	0.91	1.21	48.50	0.32	Other	0
6	788.00	0.14	276.39	92.00	788.00	0.55	0.61	0.65	0.9	46.94	0.30	Other	0
7	879.00	0.00	0.00	91.00	879.00	0.44	0.62	0.54	0.83	41.08	0.15	Other	0
8	1068.00	0.94	60.33	189.00	1067.99	1.65	1.39	1.89	2.35	53.66	0.50	Other	0
9	1162.00	1.42	49.78	94.00	1161.97	3.00	2.52	3.45	4.28	53.80	0.56	Other	0
10	1256.00	1.27	45.65	94.00	1255.94	4.38	4.01	5.08	6.47	51.77	0.19	Other	0
11	1351.00	1.50	59.49	95.00	1350.91	5.96	5.37	6.91	8.75	52.13	0.43	Other	0
12	1445.00	1.10	52.96	94.00	1444.89	7.54	6.54	8.69	10.88	53.03	0.45	Other	0

13	1539.00	1.71	25.78	94.00	1538.86	8.56	8.35	10.02	13.04	50.20	0.94	Other	0
14	1633.00	4.47	321.85	94.00	1632.74	6.27	17.49	8.37	15.03	33.81	4.28	Other	0
15	1727.00	8.46	298.31	94.00	1726.14	-2.96	18.66	0.01	18.66	0.03	5.01	Other	0
16	1821.00	9.56	296.86	94.00	1818.97	-16.93	25.46	-13.04	28.61	332.88	1.19	Other	0
17	1916.00	8.66	295.47	95.00	1912.77	-31.31	32.10	-26.54	41.65	320.42	0.98	Other	0
18	2010.00	7.73	304.39	94.00	2005.87	-43.82	38.72	-38.14	54.35	315.43	1.67	Other	0
19	2104.00	4.79	296.97	94.00	2099.25	-53.28	44.07	-46.86	64.33	313.24	3.24	Other	0
20	2198.00	1.08	35.69	94.00	2193.14	-56.62	46.57	-49.84	68.21	313.06	5.39	Other	0
21	2292.00	1.56	16.40	94.00	2287.11	-56.07	48.52	-48.96	68.93	314.74	0.69	Other	0
22	2386.00	1.75	41.14	94.00	2381.07	-55.14	50.82	-47.66	69.67	316.84	0.78	Other	0
23	2480.00	2.52	86.18	94.00	2475.01	-52.37	52.04	-44.65	68.57	319.37	1.90	Other	0
24	2574.00	5.90	146.07	94.00	2568.78	-47.05	48.17	-39.89	62.54	320.37	5.45	Other	0
25	2668.00	4.41	159.91	94.00	2662.40	-41.99	40.77	-35.95	54.35	318.59	2.05	Other	0
26	2762.00	6.06	143.86	94.00	2756.01	-36.69	33.36	-31.78	46.08	316.39	2.33	Other	0
27	2856.00	4.02	139.88	94.00	2849.64	-30.67	26.84	-26.73	37.88	315.11	2.20	Other	0
28	2950.00	1.19	156.94	94.00	2943.54	-27.65	23.42	-24.23	33.7	314.03	3.09	Other	0
29	3044.00	0.39	149.12	94.00	3037.53	-26.92	22.25	-23.68	32.49	313.21	0.86	Other	0
30	3139.00	0.09	309.10	95.00	3132.53	-26.78	22.02	-23.57	32.25	313.04	0.50	Other	0
31	3232.00	0.36	150.94	93.00	3225.53	-26.66	21.81	-23.49	32.05	312.87	0.48	Other	0
32	3326.00	0.06	60.78	94.00	3319.53	-26.44	21.57	-23.30	31.75	312.79	0.39	Other	0
33	3420.00	0.14	288.37	94.00	3413.53	-26.51	21.63	-23.37	31.84	312.79	0.20	Other	0
34	3514.00	0.53	126.73	94.00	3507.53	-26.24	21.41	-23.13	31.52	312.79	0.71	Other	0
35	3608.00	0.18	23.28	94.00	3601.53	-25.82	21.28	-22.72	31.13	313.13	0.64	Other	0
36	3702.00	0.12	51.03	94.00	3695.52	-25.72	21.48	-22.59	31.17	313.56	0.10	Other	0
37	3796.00	0.22	228.60	94.00	3789.52	-25.77	21.42	-22.65	31.17	313.41	0.36	Other	0
38	3890.00	0.00	0.00	94.00	3883.52	-25.88	21.30	-22.78	31.19	313.08	0.23	Other	0
39	3984.00	0.44	302.72	94.00	3977.52	-26.21	21.50	-23.08	31.55	312.96	0.47	Other	0
40	4078.00	0.43	327.92	94.00	4071.52	-26.78	21.99	-23.58	32.24	313.01	0.20	Other	0
41	4172.00	0.18	25.57	94.00	4165.52	-26.97	22.43	-23.70	32.63	313.42	0.39	Other	0
42	4266.00	0.26	78.40	94.00	4259.52	-26.86	22.75	-23.53	32.73	314.03	0.09	Other	0
43	4360.00	0.53	22.40	94.00	4353.52	-26.69	23.34	-23.27	32.95	315.09	0.29	Other	0
44	4454.00	0.25	241.95	94.00	4447.52	-26.75	23.64	-23.28	33.18	315.44	0.79	Other	0
45	4548.00	0.35	277.50	94.00	4541.51	-27.20	23.58	-23.75	33.47	314.80	0.22	Other	0
46	4643.00	0.35	15.35	95.00	4636.51	-27.46	23.90	-23.96	33.84	314.93	0.56	Other	0
47	4737.00	0.26	133.12	94.00	4730.51	-27.25	24.03	-23.73	33.77	315.37	0.56	Other	0
48	4831.00	0.37	230.36	94.00	4824.51	-27.27	23.69	-23.80	33.59	314.86	0.51	Other	0
49	4925.00	0.28	312.92	94.00	4918.51	-27.66	23.65	-24.21	33.85	314.34	0.46	Other	0
50	5019.00	2.38	208.05	94.00	5012.48	-28.49	22.09	-25.29	33.58	311.13	2.62	Other	0
51	5113.00	7.44	203.67	94.00	5106.11	-30.65	14.79	-28.66	32.25	297.29	5.39	Other	0
52	5301.00	9.67	202.07	188.00	5292.01	-37.22	-11.00	-39.48	40.98	254.43	1.19	Other	0
53	5395.00	8.46	188.65	94.00	5384.84	-38.92	-25.15	-43.48	50.23	239.96	2.58	Other	0
54	5489.00	8.63	189.16	94.00	5477.80	-38.86	-38.95	-45.65	60.01	229.53	0.20	Other	0
55	5583.00	6.89	196.65	94.00	5570.93	-39.60	-51.32	-48.39	70.53	223.32	2.14	Other	0
56	5677.00	7.82	207.63	94.00	5664.16	-42.36	-62.38	-52.97	81.84	220.33	1.79	Other	0
57	5771.00	8.50	209.98	94.00	5757.21	-46.85	-74.07	-59.40	94.95	218.73	0.81	Other	0
58	5865.00	8.54	208.48	94.00	5850.18	-51.63	-86.22	-66.20	108.7	217.52	0.24	Other	0
59	5959.00	7.88	203.77	94.00	5943.21	-55.56	-98.25	-72.13	121.88	216.28	1.00	Other	0
60	6053.00	8.93	204.80	94.00	6036.20	-59.15	-110.77	-77.79	135.36	215.08	1.13	Other	0
61	6147.00	9.31	187.03	94.00	6129.03	-60.84	-124.94	-81.78	149.33	213.21	3.01	Other	0
62	6241.00	6.22	178.83	94.00	6222.16	-59.64	-137.58	-82.60	160.48	210.98	3.48	Other	0
63	6335.00	6.30	195.03	94.00	6315.61	-59.26	-147.66	-83.84	169.8	209.59	1.87	Other	0
64	6430.00	6.91	192.75	95.00	6409.98	-60.15	-158.27	-86.45	180.34	208.65	0.70	Other	0
65	6524.00	7.59	188.09	94.00	6503.23	-60.38	-169.93	-88.57	191.63	207.53	0.96	Other	0
66	6618.00	7.41	188.60	94.00	6596.42	-60.21	-182.07	-90.35	203.25	206.39	0.20	Other	0
67	6712.00	5.49	182.32	94.00	6689.82	-59.61	-192.55	-91.44	213.16	205.40	2.17	Other	0
68	6806.00	8.23	189.65	94.00	6783.14	-59.13	-203.68	-92.75	223.81	204.48	3.05	Other	0
69	6900.00	7.05	195.00	94.00	6876.31	-59.78	-215.89	-95.37	236.02	203.83	1.46	Other	0
70	6994.00	8.75	196.69	94.00	6969.41	-61.30	-228.31	-98.92	248.82	203.43	1.83	Other	0
71	7088.00	8.59	192.17	95.00	7063.33	-62.62	-242.17	-102.49	262.96	202.94	0.74	Other	0
72	7183.00	8.32	188.94	94.00	7156.31	-62.96	-255.75	-105.03	276.47	202.33	0.58	Other	0
73	7277.00	8.56	182.59	94.00	7249.29	-62.13	-269.45	-106.40	289.7	201.55	1.02	Other	0
74	7371.00	6.20	193.72	94.00	7342.51	-61.74	-281.38	-107.92	301.36	200.98	2.92	Other	0
75	7465.00	7.53	204.62	94.00	7435.84	-63.78	-291.91	-111.69	312.55	200.94	1.97	Other	0
76	7559.00	5.94	196.89	94.00	7529.19	-66.08	-302.16	-115.67	323.54	200.95	1.94	Other	0
77	7653.00	9.23	170.07	94.00	7622.38	-64.26	-314.25	-115.78	334.9	200.23	5.05	Other	0
78	7747.00	8.00	180.07	94.00	7715.32	-60.76	-328.22	-114.49	347.61	199.23	2.06	Other	0
79	7841.00	6.82	160.75	94.00	7808.55	-57.07	-340.03	-112.66	358.21	198.33	2.91	Other	0
80	7935.00	9.02	173.10	94.00	7901.66	-52.38	-352.62	-109.93	369.35	197.32	2.95	Other	0
81	7984.00	13.53	164.64	49.00	7949.70	-48.93	-361.96	-107.95	377.72	196.61	9.78	Other	0
82	8098.00	22.23	140.58	114.00	8058.23	-27.16	-391.58	-90.67	401.94	193.04	9.87	SlimPulse	0
83	8192.00	24.71	128.62	94.00	8144.50	3.31	-417.60	-64.01	422.48	188.71	5.70	SlimPulse	0
84	8286.00	25.27	128.51	94.00	8229.70	37.90	-442.35	-32.96	443.58	184.26	0.59	SlimPulse	0
85	8379.00	30.57	136.37	93.00	8311.87	74.07	-471.86	-1.08	471.86	180.13	6.93	SlimPulse	0
86	8472.00	37.19	147.36	93.00	8389.12	111.72	-512.73	30.46	513.63	176.60	9.68	SlimPulse	0
87	8566.00	51.22	144.41	94.00	8456.34	156.68	-566.72	67.29	570.7	173.23	15.08	SlimPulse	0
88	8660.00	60.77	132.88	94.00	8508.97	216.87	-624.69	118.91	635.91	169.22	14.35	SlimPulse	0
89	8754.00	66.36	119.69	94.00	8550.95	291.63	-674.14	186.66	699.51	164.52	13.88	SlimPulse	0
90	8847.00	65.93	109.33	93.00	8588.64	373.50	-709.38	263.91	756.88	159.59	10.20	SlimPulse	0
91	8941.00	70.26	102.31	94.00	8623.74	460.05	-733.05	347.75	811.35	154.62	8.31	SlimPulse	0
92	9035.00	71.55	104.11	94.00	8654.49	548.65	-753.36	434.22	869.54	150.04	2.27	SlimPulse	0
93	9128.00	73.66	108.45	93.00	8682.30	636.68	-778.25	519.38	935.64	146.28	5.00	SlimPulse	0
94	9168.00	75.22	109.34	40.00	8693.03	674.66	-790.73	555.83	966.54	144.90	4.44	SlimPulse	0
95	9221.00	80.21	109.15	53.00	8704.30	725.63	-807.79	604.71	1009.06	143.18	9.41	SlimPulse	0
96	9266.00	85.38	107.54	45.00	8709.95	769.69	-821.84	647.07	1046	141.79	12.02	SlimPulse	0
97	9314.00	90.00	103.94	48.00	8711.88	817.31	-834.84	693.21	1085.13	140.30	12.21	SlimPulse	0

98	9501.00	88.48	94.60	187.00	8714.36	1004.08	-864.92	877.55	1232.14	134.59	5.06	SlimPulse	0
99	9594.00	88.14	90.75	93.00	8717.10	1096.43	-869.26	970.39	1302.79	131.85	4.15	SlimPulse	0
100	9680.00	88.96	94.91	86.00	8719.28	1181.86	-873.51	1056.23	1370.64	129.59	4.93	SlimPulse	2
101	9867.00	88.41	92.36	187.00	8723.57	1367.92	-885.36	1247.79	1525.91	125.47	1.39	SlimPulse	2
102	9967.00	85.76	90.81	95.00	8728.40	1461.96	-887.99	1337.62	1605.54	123.58	3.23	SlimPulse	2
103	10055.00	88.10	90.13	93.00	8733.38	1553.75	-888.75	1430.48	1684.09	121.85	2.62	SlimPulse	2
104	10148.00	91.54	90.70	93.00	8733.67	1645.66	-889.42	1523.46	1764.09	120.28	3.75	SlimPulse	2
105	10241.00	92.26	86.48	93.00	8730.59	1737.01	-887.14	1616.36	1843.81	118.76	4.60	SlimPulse	2
106	10334.00	92.37	85.48	93.00	8726.83	1827.48	-880.62	1709.05	1922.59	117.26	1.08	SlimPulse	2
107	10521.00	87.58	85.16	187.00	8726.91	2008.99	-865.37	1895.38	2083.58	114.54	2.57	SlimPulse	2
108	10614.00	85.79	87.12	93.00	8732.29	2099.44	-859.12	1988.00	2165.7	113.37	2.85	SlimPulse	2
109	10707.00	89.30	87.09	93.00	8736.27	2190.29	-854.43	2080.78	2249.38	112.32	3.77	SlimPulse	2
110	10800.00	88.72	87.90	93.00	8737.88	2281.36	-850.36	2173.68	2334.09	111.37	1.07	SlimPulse	2
111	10894.00	90.85	90.16	94.00	8738.23	2373.88	-848.77	2267.65	2421.29	110.52	3.30	SlimPulse	2
112	10987.00	92.26	89.18	93.00	8735.71	2465.57	-848.24	2360.61	2508.39	109.76	1.85	SlimPulse	2
113	11081.00	90.99	91.16	94.00	8733.04	2558.37	-848.52	2454.57	2597.09	109.07	2.50	SlimPulse	2
114	11176.00	87.96	91.16	95.00	8733.91	2652.43	-850.44	2549.54	2687.63	108.45	3.19	SlimPulse	2
115	11269.00	87.96	89.78	93.00	8737.22	2744.30	-851.20	2647.47	2776.18	107.85	1.48	SlimPulse	2
116	11363.00	88.65	88.48	94.00	8740.00	2836.82	-849.77	2736.42	2865.33	107.25	1.57	SlimPulse	2
117	11457.00	87.37	89.60	94.00	8743.27	2929.30	-848.20	2830.34	2954.71	106.68	1.81	SlimPulse	2
118	11550.00	91.99	91.33	93.00	8743.79	3021.20	-848.95	2923.31	3044.09	106.19	5.30	SlimPulse	2
119	11643.00	89.41	91.00	93.00	8742.65	3113.28	-850.84	3016.28	3133.98	105.75	2.80	SlimPulse	2
120	11737.00	89.20	90.09	94.00	8743.79	3206.21	-851.74	3110.26	3224.78	105.31	0.99	SlimPulse	2
121	11831.00	88.72	90.02	94.00	8745.50	3299.01	-851.83	3204.25	3315.54	104.89	0.52	SlimPulse	2
122	11924.00	89.44	90.40	93.00	8746.99	3390.86	-852.17	3297.23	3405.58	104.49	0.88	SlimPulse	2
123	12018.00	89.06	90.06	94.00	8748.22	3483.71	-852.55	3391.22	3496.75	104.11	0.54	SlimPulse	2
124	12112.00	86.69	90.44	94.00	8751.71	3576.51	-852.96	3485.15	3588.01	103.75	2.55	SlimPulse	2
125	12206.00	90.23	90.30	94.00	8754.23	3669.35	-853.56	3579.10	3679.48	103.41	3.77	SlimPulse	2
126	12299.00	87.38	91.41	93.00	8756.17	3761.35	-854.95	3672.06	3770.27	103.11	3.29	SlimPulse	2
127	12393.00	88.44	90.75	94.00	8759.60	3854.35	-856.72	3765.98	3862.2	102.82	1.33	SlimPulse	2
128	12488.00	87.48	89.58	95.00	8762.98	3948.12	-856.99	3860.92	3954.88	102.51	1.59	SlimPulse	2
129	12581.00	88.34	91.40	93.00	8766.37	4039.99	-857.79	3953.85	4045.82	102.24	2.16	SlimPulse	2
130	12675.00	91.88	91.38	94.00	8766.19	4133.11	-860.07	4047.80	4138.17	102.00	3.77	SlimPulse	2
131	12769.00	90.30	90.07	94.00	8764.40	4226.07	-861.26	4141.77	4230.37	101.75	2.18	SlimPulse	2
132	12862.00	90.92	90.30	93.00	8763.41	4317.93	-861.56	4234.77	4321.52	101.50	0.71	SlimPulse	2
133	12955.00	88.44	91.21	93.00	8763.93	4409.92	-862.78	4327.75	4412.91	101.27	2.84	SlimPulse	2
134	13048.00	90.06	87.52	93.00	8765.15	4501.53	-861.75	4420.72	4503.93	101.03	4.33	SlimPulse	2
135	13141.00	89.89	87.56	93.00	8765.19	4592.63	-857.76	4513.63	4594.41	100.76	0.19	SlimPulse	2
136	13235.00	87.89	87.72	94.00	8767.01	4684.71	-853.89	4607.53	4685.98	100.50	2.13	SlimPulse	2
137	13329.00	85.65	88.83	94.00	8772.31	4776.86	-851.07	4701.33	4777.74	100.26	2.66	SlimPulse	2
138	13422.00	89.61	90.11	93.00	8776.15	4868.44	-850.21	4794.23	4869.03	100.06	4.47	SlimPulse	2
139	13515.00	93.12	89.94	93.00	8773.94	4960.22	-850.25	4887.18	4960.59	99.87	3.78	SlimPulse	2
140	13609.00	92.98	89.97	94.00	8768.94	5052.87	-850.17	4981.05	5053.08	99.69	0.15	SlimPulse	2
141	13702.00	86.93	86.41	93.00	8769.01	5144.12	-847.24	5073.95	5144.2	99.48	7.55	SlimPulse	2
142	13795.00	90.02	86.63	93.00	8771.49	5234.82	-841.60	5166.73	5234.82	99.25	3.33	SlimPulse	2
143	13847.00	92.09	86.46	52.00	8770.53	5285.55	-838.46	5218.62	5285.55	99.13	3.99	SlimPulse	2
144	13900.00	92.09	86.46	53.00	8768.60	5337.22	-835.19	5271.49	5337.24	99.00	0.00	PROJ	0



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OXY USA INC.
Cedar Canyon 27 Federal #7H
API No. 30-015-43233

14-3/4" hole @ 438'
10-3/4" csg @ 438'
w/ 540sx-TOC-Surf-Circ.

9-7/8" hole @ 8007'
7-5/8" csg @ 7997'
w/ 1580sx-TOC-Surf-Circ.
DVT @ 2988'

6-3/4" hole @ 13900'
5-1/2" X 4-1/2" csg @ 13886'
w/ 610sx-TOC-5010' CBL

Perfs @ 9453-13798'

TD- 13900'M 8769'V