

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT

FORM APPROVED
OMB No. 1004-0137
Date: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Carlsbad Field Office
OCD Artesia

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No. NMNM137582		
2. Name of Operator OXY USA INC			8. Lease Name and Well No. CEDAR CANYON 23-24 FEDERAL COM 34H		
3. Address MIDLAND, TX 79710			9. API Well No. 30-015-44178-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 23 T24S R29E Mer NMP At surface SWSW 319FSL 88FWL 32.196520 N Lat, 103.963476 W Lon Sec 23 T24S R29E Mer NMP At top prod interval reported below SWSW 925FSL 384FWL 32.198227 N Lat, 103.962660 W Lon Sec 24 T24S R29E Mer NMP At total depth SESW 939FSL 2487FWL 32.198250 N Lat, 103.938673 W Lon			10. Field and Pool, or Exploratory PIERCE CROSSING-BONE SPRING		
14. Date Spudded 07/05/2017			15. Date T.D. Reached 07/23/2017		
16. Date Completed ☐ D & A ☒ Ready to Prod. 08/31/2017			17. Elevations (DF, KB, RT, GL)* 2918 GL		
18. Total Depth: MD 17582 TVD 10119		19. Plug Back T.D.: MD 17520 TVD 10117		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) MUDLOG			22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)		

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	10.750 J55	45.5	0	428		329	78	0	
9.875	7.625 L80	29.7	0	9377	3042	1656	641	0	
6.750	4.500 P110	13.5	9233	17572		1028	247	9233	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING			10188 TO 17410	0.420	1440	ACTIVE
B) BONE SPRING 3RD	10188	17410				
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10188 TO 17410	7488852G SLICKWATER + 69552G 15% HCL ACID + 3754716G LINEAR GEL + 3250380G CROSSLINK

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/04/2017	09/10/2017	24	→	3593.0	7695.0	13569.0			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
128/128		1343.0	→	3593	7695	13569	2142	POW	

28a. Production - Interval B

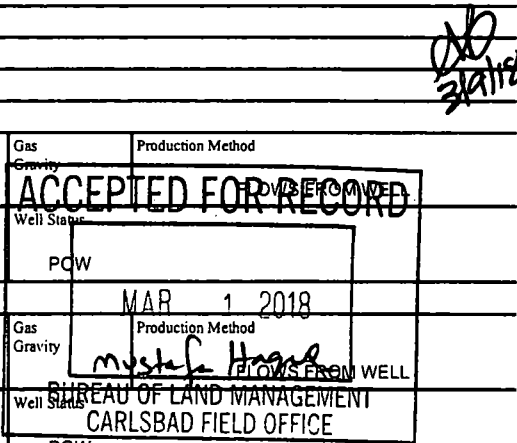
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/04/2017	09/10/2017	24	→	3593.0	7695.0	13569.0			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
128/128		1343.0	→	3593	7695	13569	2142	POW	

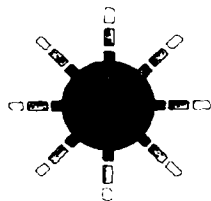
(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #395434 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Reclamation Due by 3rd march, 2018





Impac

SURFACE LOGGING

Aradarko Basin
1501 Lera Dr. Suite 3
Weatherford, OK 73093

Permian Basin

601 W Railroad Ave
Ft Stockton, TX 79735

Marcellus Shale

5430 Cherokee Ave NW
North Canton, OH 44720

info@impacxs.com

(888) 959-0350

COMPANY: OXY

WELL: CEDAR CANYON 23-24 FED COM #34H

FIELD: CEDAR CANYON COUNTY: EDDY STATE: NM

LOCATION: T24S, R29E

319' FSL X 88'FWL; Lat: N32° 11' 47.47"; Long: W103° 57' 48.52"

Interval Logged: 9,387' To: 17,582' G.L.: 2918.10 K.B: 2944.60

Date Logged: 07-18-17 To: 07-23-17 Spud Date: 7-5-2017

Rig: H&P 656 Unit No.: 217

Loggers: JOSEPH WALLS & ROSE WISEMAN

Api No.: 30-015-44178

Filename: cedar canyon 23-24 fed com 34h.mlw

Geologist: DENNIS LEE

Created By MainLog

Abbreviations:

Lithology Symbols:

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

Well Reference:

23, 24s, 29E, Eddy NM
N 32.19644 W -103.96348

I, Kurt Valentine certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of July 09, 2017 through July 23, 2017, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 442.00 feet to a depth of 17540.00 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 Cedar Canyon 23-24 Federal Com 34H Well (Original Hole) API No. 30-015-44178 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 Kurt Valentine
Kurt Valentine
FS

Subscribed and Sworn to before me this 3rd day of August (month) 2017 (yr)

My Commission expires:

December 20, 2020

J. Allemand
Notary Public

Adams County Colorado
(County State)

(signature)	JENNIFER ALLEMAND
	Notary Public
	State of Colorado
	Notary ID # 20164047962
	My Commission Expires 12-20-2020

Oxy Cedar Canyon 23-24 Federal Com 34H MWD 0-17582 RMD Survey **Geodetic Report** (Def Survey)



Report Date:	July 24, 2017 - 10:59 AM	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	OXY	Vertical Section Azimuth:	85.108 ° (Grid North)
Field:	NM Eddy County (NAD 83)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Slot:	Oxy Cedar Canyon 23-24 Federal Com 34H / Oxy Cedar Canyon 23-24 Federal Com 34H	TVD Reference Datum:	RKB-26.5'
Well:	Oxy Cedar Canyon 23-24 Federal Com 34H	TVD Reference Elevation:	2944.800 ft above MSL
Borehole:	Original Borehole	Sealed / Ground Elevation:	2918.100 ft above MSL
UWI / API#:	Unknown / Unknown	Magnetic Declination:	7.120 °
Survey Name:	Oxy Cedar Canyon 23-24 Federal Com 34H MWD 0-17582 RMD	Total Gravity Field Strength:	998.4705mgm (9.80665 Based)
Survey Date:	June 28, 2017	Gravity Model:	GARM
Tort / AMD / DDI / ERD Ratio:	227.082 ° / 8278.188 ft / 0.514 / 0.818	Total Magnetic Field Strength:	48109.950 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Foot	Magnetic Dip Angle:	60.001 °
Location Lat / Long:	N 32° 11' 47.47188", W 103° 57' 48.51548"	Declination Date:	June 28, 2017
Location Grid N/E Y/X:	N 435425.080 NUS, E 655743.830 NUS	Magnetic Declination Model:	HOGM 2017
CR8 Grid Convergence Angle:	0.1871 °	North Reference:	Grid North
Grid Scale Factor:	0.99992408	Grid Convergence Used:	0.1871 °
Version / Patch:	2.10.302.0	Total Corr Mag North-Grid	6.8233 °
		North:	
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	435425.08	655743.83	N 32 11 47.47 W 103 57 48.52	
	442.00	1.00	215.92	441.98	-2.52	-3.12	-2.28	0.23	435421.96	655741.57	N 32 11 47.44 W 103 57 48.54	
	512.00	0.18	218.42	511.97	-3.00	-3.70	-2.69	1.17	435421.08	655741.14	N 32 11 47.44 W 103 57 48.55	
	697.00	0.08	138.07	696.97	-3.13	-4.00	-2.80	0.10	435421.38	655741.03	N 32 11 47.43 W 103 57 48.55	
	789.00	0.13	228.74	788.97	-3.19	-4.11	-2.85	0.16	435420.87	655740.98	N 32 11 47.43 W 103 57 48.55	
	889.00	0.11	230.89	888.97	-3.38	-4.24	-3.01	0.02	435420.84	655740.82	N 32 11 47.43 W 103 57 48.55	
	977.00	0.11	101.05	976.97	-3.35	-4.31	-2.99	0.23	435420.77	655740.84	N 32 11 47.43 W 103 57 48.55	
	1068.00	0.13	62.04	1065.97	-3.18	-4.31	-2.81	0.05	435420.77	655741.02	N 32 11 47.43 W 103 57 48.55	
	1158.00	0.13	141.48	1155.97	-3.01	-4.38	-2.84	0.14	435420.70	655741.19	N 32 11 47.43 W 103 57 48.55	
	1341.00	0.13	155.70	1340.97	-2.82	-4.73	-2.42	0.02	435420.35	655741.41	N 32 11 47.43 W 103 57 48.54	
	1442.00	0.11	18.28	1441.97	-2.75	-4.75	-2.35	0.22	435420.34	655741.48	N 32 11 47.42 W 103 57 48.54	
	1534.00	0.25	15.29	1533.97	-2.65	-4.47	-2.27	0.15	435420.81	655741.56	N 32 11 47.43 W 103 57 48.54	
	1628.00	0.08	113.61	1627.97	-2.52	-4.30	-2.16	0.28	435420.79	655741.57	N 32 11 47.43 W 103 57 48.54	
	1723.00	0.18	308.18	1722.97	-2.55	-4.24	-2.20	0.25	435420.84	655741.53	N 32 11 47.43 W 103 57 48.54	
	1817.00	0.18	318.61	1816.97	-2.74	-4.05	-2.40	0.03	435421.03	655741.43	N 32 11 47.43 W 103 57 48.54	
	2007.00	0.18	263.44	2006.97	-3.22	-3.86	-2.90	0.09	435421.22	655740.93	N 32 11 47.43 W 103 57 48.55	
	2101.00	0.11	311.61	2100.97	-3.43	-3.82	-3.12	0.14	435421.26	655740.71	N 32 11 47.43 W 103 57 48.55	
	2290.00	0.11	49.88	2289.97	-3.41	-3.58	-3.11	0.09	435421.50	655740.72	N 32 11 47.44 W 103 57 48.55	
	2384.00	0.13	293.72	2383.97	-3.43	-3.48	-3.14	0.22	435421.60	655740.69	N 32 11 47.44 W 103 57 48.55	
	2478.00	0.16	227.55	2478.97	-3.63	-3.53	-3.34	0.17	435421.55	655740.49	N 32 11 47.44 W 103 57 48.55	
	2667.00	0.20	281.23	2666.97	-4.16	-3.78	-3.88	0.08	435421.32	655739.97	N 32 11 47.43 W 103 57 48.56	
	2762.00	0.20	227.82	2761.97	-4.46	-3.89	-4.14	0.12	435421.19	655739.68	N 32 11 47.43 W 103 57 48.56	
	2853.00	0.16	140.10	2852.97	-4.57	-4.32	-4.22	0.13	435420.78	655739.81	N 32 11 47.43 W 103 57 48.56	
	3141.00	0.13	182.37	3140.97	-4.45	-4.74	-4.08	0.08	435420.35	655739.77	N 32 11 47.43 W 103 57 48.56	
	3235.00	0.18	83.69	3234.97	-4.32	-4.83	-3.92	0.25	435420.25	655739.91	N 32 11 47.42 W 103 57 48.56	
	3344.00	0.13	265.38	3343.97	-4.26	-4.77	-3.67	0.28	435420.31	655739.86	N 32 11 47.42 W 103 57 48.56	
	3438.00	0.17	132.94	3435.97	-4.27	-4.84	-3.87	0.32	435420.24	655739.96	N 32 11 47.42 W 103 57 48.56	
	3526.00	0.13	73.58	3525.97	-4.08	-4.80	-3.67	0.17	435420.18	655740.16	N 32 11 47.42 W 103 57 48.56	
	3631.00	0.13	75.55	3630.98	-3.84	-4.84	-3.44	0.00	435420.24	655740.39	N 32 11 47.42 W 103 57 48.56	
	3709.00	0.13	78.35	3708.98	-3.67	-4.80	-3.27	0.01	435420.28	655740.56	N 32 11 47.42 W 103 57 48.55	
	3803.00	0.11	65.18	3802.98	-3.48	-4.74	-3.09	0.04	435420.34	655740.75	N 32 11 47.43 W 103 57 48.55	
	3897.00	0.13	202.45	3896.98	-3.44	-4.80	-3.04	0.24	435420.28	655740.79	N 32 11 47.42 W 103 57 48.55	
	4091.00	0.13	50.31	4090.98	-3.38	-4.88	-2.96	0.13	435420.22	655740.87	N 32 11 47.42 W 103 57 48.55	
	4278.00	0.08	286.07	4275.98	-3.29	-4.73	-2.89	0.10	435420.35	655740.94	N 32 11 47.43 W 103 57 48.55	
	4374.00	0.13	168.94	4373.98	-3.32	-4.85	-2.82	0.15	435420.23	655740.91	N 32 11 47.42 W 103 57 48.55	
	4465.00	0.18	339.63	4464.98	-3.35	-4.81	-2.95	0.34	435420.27	655740.88	N 32 11 47.42 W 103 57 48.55	
	4559.00	0.13	71.65	4558.98	-3.28	-4.84	-2.90	0.24	435420.44	655740.93	N 32 11 47.43 W 103 57 48.55	
	4748.00	0.14	236.13	4747.98	-3.27	-4.70	-2.88	0.14	435420.38	655740.95	N 32 11 47.43 W 103 57 48.55	
	4845.00	0.06	258.47	4844.98	-3.43	-4.78	-3.03	0.09	435420.30	655740.80	N 32 11 47.42 W 103 57 48.55	
	4937.00	0.11	277.61	4936.98	-3.58	-4.78	-3.17	0.08	435420.30	655740.88	N 32 11 47.42 W 103 57 48.55	
	5032.00	0.13	44.52	5031.98	-3.57	-4.89	-3.18	0.23	435420.39	655740.85	N 32 11 47.43 W 103 57 48.55	
	5126.00	0.13	13.14	5125.98	-3.45	-4.51	-3.08	0.07	435420.66	655740.67	N 32 11 47.43 W 103 57 48.55	
	5221.00	0.13	262.89	5220.98	-3.53	-4.42	-3.18	0.22	435420.55	655740.60	N 32 11 47.43 W 103 57 48.55	
	5315.00	0.13	159.33	5314.96	-3.61	-4.53	-3.23	0.22	435420.55	655740.60	N 32 11 47.43 W 103 57 48.55	
	5410.00	0.16	259.52	5409.98	-3.71	-4.66	-3.32	0.24	435420.42	655740.51	N 32 11 47.43 W 103 57 48.55	
	5505.00	0.11	195.83	5504.98	-3.87	-4.77	-3.48	0.18	435420.31	655740.35	N 32 11 47.42 W 103 57 48.55	
	5599.00	0.13	312.45	5598.98	-3.98	-4.78	-3.58	0.22	435420.30	655740.25	N 32 11 47.42 W 103 57 48.56	
	5788.00	0.06	197.85	5787.98	-4.10	-4.73	-3.77	0.09	435420.35	655740.08	N 32 11 47.42 W 103 57 48.56	
	5883.00	0.11	263.58	5882.98	-4.27	-4.70	-3.88	0.11	435420.29	655739.95	N 32 11 47.42 W 103 57 48.56	
	5977.00	0.08	162.54	5976.98	-4.35	-4.86	-3.95	0.18	435420.22	655739.88	N 32 11 47.42 W 103 57 48.56	
	6072.00	0.08	272.03	6071.98	-4.40	-4.92	-3.99	0.14	435420.18	655738.84	N 32 11 47.42 W 103 57 48.56	
	6261.00	0.10	228.26	6260.98	-4.74	-5.09	-4.32	0.06	435419.99	655738.51	N 32 11 47.42 W 103 57 48.57	
	6356.00	0.13	207.50	6355.98	-4.91	-5.28	-4.47	0.06	435419.80	655738.36	N 32 11 47.42 W 103 57 48.57	
	6450.00	0.18	108.89	6449.98	-4.83	-5.42	-4.38	0.26	435419.68	655738.45	N 32 11 47.42 W 103 57 48.57	
	6641.00	0.13	138.34	6640.98	-4.41	-5.66	-3.94	0.05	435419.42	655738.89	N 32 11 47.42 W 103 57 48.56	
	6724.00	0.18	273.86	6723.98	-4.48	-5.72	-4.01	0.35	435419.36	655738.82	N 32 11 47.42 W 103 57 48.56	
	6819.00	0.25	238.60	6818.98	-4.81	-5.82	-4.33	0.15	435419.26	655739.50	N 32 11 47.41 W 103 57 48.57	
	7008.00	0.08	218.24	7007.98	-5.28	-6.13	-4.77	0.09	435418.65	655739.08	N 32 11 47.41 W 103 57 48.57	
	7105.00	0.16	235.74	7104.96	-5.44	-6.26	-4.92	0.09	435418.82	655738.91	N 32 11 47.41 W 103 57 48.57	
	7197.00	1.63	329.40	7196.95	-6.12	-5.21	-5.70	1.79	435419.87	655738.14	N 32 11 47.42 W 103 57 48.58	
	7292.00	3.44	341.59	7291.85	-7.37	-1.34	-7.28	1.88	435423.74	655738.55	N 32 11 47.48 W 103 57 48.60	
	7386.00	4.04	344.72	7385.85	-8.63	4.53	-8.05	0.87	435429.61	655734.78	N 32 11 47.72 W 103 57 48.82	
	7481.00	4.18	354.89	7480.41	-8.24	11.19	-10.24	0.77	435436.27	655733.60	N 32 11 47.58 W 103 57 48.63	
	7570.00	4.06	359.34	7568.92	-8.78	24.71	-10.92	0.18	435449.79	655732.81	N 32 11 47.72 W 103 57 48.64	
	7764.00	7.23	25.84	7762.47	-5.51	33.36	-6.38	4.28	435458.44	655735.45	N 32 11 47.80 W 103 57 48.61	
	7859.00	10.29	30.26	7856.34	2.48	48.15	-1.48	3.40	435471.22	655742.37	N 32 11 47.93 W 103 57 48.53	
	7953.00	13.29	25.78	7948.33	12.88	83.20	7.51	3.24	435488.28	655751.34	N 32 11 48.10 W 103 57 48.43	
	8048.00	13.34	20.16	8040.78	23.08	83.32	16.03	1.38	435508.40	655759.68	N 32 11 48.30 W 103 57 48.33	
	8143.00	13.67	18.99	8133.15	32.27	104.23	23.46	0.45	435529.30	655767.29	N 32 11 48.50 W 103 57 48.24	
	8237.00	12.66	14.42	8224.68	40.17	124.71	29.64	1.54	435548.78	655773.47	N 32 11 48.70 W 103 57 48.17	
	8332.00	12.25	12.54	8317.45	46.84	144.63	34.42	0.61	435569.70	655778.25	N 32 11 48.80 W 103 57 48.11	
	8425.00	10.46	1.16	8408.6								

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLB (ft)	Northings (ft)	Easting (ft)	Latitude (N/S ° ° ' '')	Longitude (E/W ° ° ' '')
	9087.00	13.67	322.78	9053.39	2.27	295.26	-23.00	1.88	435720.32	655720.83	N 32 11 50.39	W 103 57 48.77
	9272.00	12.91	320.80	9233.44	-21.04	328.71	-48.26	0.47	435753.78	655684.58	N 32 11 50.73	W 103 57 49.08
	9443.00	11.53	327.08	9400.57	-39.81	357.68	-70.59	1.11	435762.83	655673.24	N 32 11 51.02	W 103 57 49.32
	9538.00	18.21	14.25	9492.64	-39.40	380.34	-72.11	13.99	435805.39	655671.73	N 32 11 51.24	W 103 57 49.34
	9633.00	27.72	44.94	9580.32	-17.52	410.84	-62.74	15.80	435835.59	655691.10	N 32 11 51.54	W 103 57 49.11
	9728.00	32.12	41.22	9662.64	17.59	445.19	-20.47	5.02	435970.24	655723.36	N 32 11 51.88	W 103 57 48.28
	9823.00	39.74	46.04	9739.53	59.70	485.03	18.39	8.73	435910.08	655762.22	N 32 11 52.27	W 103 57 48.28
	9918.00	50.23	58.59	9881.83	118.47	525.01	71.95	14.05	435950.05	655815.77	N 32 11 52.66	W 103 57 48.28
	10013.00	59.20	67.23	9962.72	186.21	559.95	140.95	12.00	435984.98	655884.77	N 32 11 53.01	W 103 57 48.85
	10108.00	69.52	73.77	10029.66	270.97	588.28	221.59	12.50	436013.31	655965.40	N 32 11 53.29	W 103 57 45.81
	10203.00	77.29	76.79	10109.18	360.95	608.58	310.12	10.18	436034.01	656053.93	N 32 11 53.49	W 103 57 44.88
	10298.00	78.01	82.61	10190.18	453.52	623.17	401.82	3.00	436048.20	656145.82	N 32 11 53.62	W 103 57 43.81
	10393.00	79.04	86.84	10269.09	546.60	631.72	494.51	4.50	436058.75	656238.30	N 32 11 53.71	W 103 57 42.74
	10488.00	84.04	91.32	10343.07	640.28	633.20	588.41	3.01	436064.89	656332.19	N 32 11 53.72	W 103 57 41.84
	10583.00	86.53	92.73	10418.58	734.26	629.86	683.02	3.15	436051.54	656426.79	N 32 11 53.68	W 103 57 40.54
	10678.00	89.42	90.70	10494.83	845.43	626.51	794.88	1.42	436050.99	656520.63	N 32 11 53.64	W 103 57 39.24
	10773.00	90.55	89.98	10569.88	940.03	625.96	888.68	0.78	436051.27	656614.82	N 32 11 53.62	W 103 57 38.13
	10868.00	89.88	89.70	10645.52	1034.71	626.24	984.87	0.45	436051.99	656708.03	N 32 11 53.64	W 103 57 36.82
	10963.00	89.52	89.44	10721.03	1129.42	626.96	1078.87	0.58	436052.82	656801.59	N 32 11 53.64	W 103 57 35.52
	11058.00	88.73	89.56	10796.48	1224.13	627.79	1174.85	0.84	436052.47	656895.89	N 32 11 53.62	W 103 57 34.22
	11153.00	88.59	90.65	10871.93	1413.35	627.44	1268.80	0.58	436051.61	656989.48	N 32 11 53.62	W 103 57 32.91
	11248.00	88.07	90.38	10947.42	1507.81	626.58	1459.77	0.59	436051.55	657083.09	N 32 11 53.62	W 103 57 31.60
	11343.00	89.04	89.70	11022.91	1602.54	626.52	1554.78	0.72	436052.17	657176.59	N 32 11 53.62	W 103 57 30.30
	11438.00	89.07	89.55	11098.40	1697.23	627.14	1649.75	0.18	436052.17	657270.09	N 32 11 53.62	W 103 57 29.00
	11533.00	89.04	88.47	11173.89	1791.94	627.95	1744.73	0.09	436052.68	657363.45	N 32 11 53.63	W 103 57 27.69
	11628.00	89.00	88.68	11249.38	1886.84	628.67	1839.71	0.20	436053.70	657456.81	N 32 11 53.63	W 103 57 26.39
	11723.00	88.11	88.48	11324.87	1981.34	629.40	1934.70	0.24	436054.43	657550.17	N 32 11 53.63	W 103 57 25.08
	11818.00	89.04	89.83	11400.36	2076.03	629.99	2029.68	0.40	436055.02	657643.53	N 32 11 53.64	W 103 57 23.78
	11913.00	88.14	89.21	11475.85	2170.73	630.79	2124.67	0.88	436055.82	657736.89	N 32 11 53.64	W 103 57 22.47
	12008.00	88.00	90.04	11551.34	2265.42	631.41	2219.85	0.89	436056.44	657830.25	N 32 11 53.64	W 103 57 21.16
	12103.00	89.00	89.68	11626.83	2360.08	631.84	2314.84	0.38	436056.87	657923.61	N 32 11 53.64	W 103 57 20.45
	12198.00	89.38	90.68	11702.32	2454.69	631.19	2409.82	1.30	436056.22	658016.97	N 32 11 53.63	W 103 57 19.14
	12293.00	89.28	89.41	11777.81	2549.21	630.97	2504.81	1.53	436056.00	658110.33	N 32 11 53.63	W 103 57 17.83
	12388.00	89.04	89.67	11853.30	2644.00	631.57	2599.60	0.55	436055.57	658203.69	N 32 11 53.63	W 103 57 16.52
	12483.00	88.78	87.75	11928.79	2738.78	633.54	2694.58	2.25	436051.84	658297.05	N 32 11 53.66	W 103 57 15.21
	12578.00	89.31	88.30	12004.28	2833.65	636.81	2789.49	0.82	436051.59	658390.41	N 32 11 53.66	W 103 57 13.90
	12673.00	88.59	89.59	12079.77	2928.41	638.58	2884.45	1.55	436051.06	658483.77	N 32 11 53.66	W 103 57 12.59
	12768.00	89.21	89.19	12155.26	3023.13	639.57	2979.43	0.78	436050.84	658577.13	N 32 11 53.66	W 103 57 11.28
	12863.00	89.00	90.22	12230.75	3117.85	638.40	3074.40	3.20	436050.43	658670.49	N 32 11 53.66	W 103 57 10.00
	12958.00	88.87	90.64	12306.24	3212.08	638.03	3169.35	1.88	436050.14	658763.85	N 32 11 53.66	W 103 57 9.70
	13053.00	89.28	89.27	12381.73	3306.70	638.11	3264.34	1.48	436049.78	658857.21	N 32 11 53.66	W 103 57 8.40
	13148.00	88.68	89.15	12457.22	3401.45	637.42	3359.31	0.83	436049.43	658950.57	N 32 11 53.66	W 103 57 7.10
	13243.00	89.49	89.30	12532.71	3496.15	636.70	3454.25	1.27	436049.08	659043.93	N 32 11 53.66	W 103 57 5.80
	13338.00	89.45	89.25	12608.20	3590.83	635.99	3549.18	1.01	436048.73	659137.29	N 32 11 53.66	W 103 57 4.50
	13433.00	89.31	89.08	12683.69	3685.50	634.26	3644.14	0.78	436048.38	659230.65	N 32 11 53.66	W 103 57 3.20
	13528.00	88.45	89.57	12759.18	3780.15	634.05	3739.10	0.44	436048.03	659324.01	N 32 11 53.66	W 103 57 1.90
	13623.00	89.00	89.91	12834.67	3874.82	633.34	3834.08	0.88	436047.68	659417.37	N 32 11 53.66	W 103 57 0.60
	13718.00	89.28	89.88	12910.16	3969.49	631.73	3929.07	0.40	436047.33	659510.73	N 32 11 53.66	W 103 57 0.30
	13813.00	88.45	90.41	12985.65	4064.12	631.88	4024.05	1.18	436046.98	659604.09	N 32 11 53.66	W 103 57 0.00
	13908.00	89.42	90.89	13061.14	4158.87	631.77	4119.02	1.06	436046.63	659697.45	N 32 11 53.66	W 103 57 0.70
	14003.00	87.18	88.32	13136.63	4253.34	631.80	4213.97	3.42	436046.28	659790.81	N 32 11 53.66	W 103 57 0.40
	14098.00	88.14	88.54	13212.12	4348.05	631.37	4308.87	1.83	436045.93	659884.17	N 32 11 53.66	W 103 57 0.10
	14193.00	88.25	86.78	13287.61	4442.76	631.78	4403.81	0.81	436045.58	659977.53	N 32 11 53.66	W 103 57 0.80
	14288.00	87.73	89.70	13363.10	4537.45	631.02	4498.74	1.04	436045.23	660070.89	N 32 11 53.66	W 103 57 0.50
	14383.00	87.28	88.36	13438.59	4632.13	630.47	4593.68	0.56	436044.88	660164.25	N 32 11 53.66	W 103 57 0.20
	14478.00	87.80	89.87	13514.08	4727.87	629.92	4688.63	0.85	436044.53	660257.61	N 32 11 53.66	W 103 57 0.90
	14573.00	88.73	90.03	13589.57	4822.56	629.37	4783.58	0.89	436044.18	660350.97	N 32 11 53.66	W 103 57 0.60
	14668.00	88.80	89.42	13665.06	4917.25	628.82	4878.53	0.85	436043.83	660444.33	N 32 11 53.66	W 103 57 0.30
	14763.00	89.24	89.92	13740.55	5011.95	628.27	4973.48	0.70	436043.48	660537.69	N 32 11 53.66	W 103 57 0.00
	14858.00	89.00	90.18	13816.04	5106.64	627.72	5068.43	0.48	436043.13	660631.05	N 32 11 53.66	W 103 57 0.70
	14953.00	90.07	91.37	13891.53	5201.34	627.17	5163.38	1.34	436042.78	660724.41	N 32 11 53.66	W 103 57 0.40
	15048.00	89.83	91.58	13967.02	5296.03	626.62	5258.33	0.34	436042.43	660817.77	N 32 11 53.66	W 103 57 0.10
	15143.00	88.24	89.80	14042.51	5390.72	626.07	5353.28	1.97	436042.08	660911.13	N 32 11 53.66	W 103 57 0.80
	15238.00	89.42	91.27	14118.00	5485.41	625.52	5448.23	1.56	436041.73	661004.49	N 32 11 53.66	W 103 57 0.50
	15333.00	89.89	93.54	14193.49	5579.33	624.97	5543.18	2.41	436041.38	661097.85	N 32 11 53.66	W 103 57 0.20
	15428.00	89.04	91.58	14268.98	5673.89	624.42	5638.13	2.17	436041.03	661191.21	N 32 11 53.66	W 103 57 0.90
	15523.00	89.31	90.62	14344.47	5768.12	623.87	5733.08	1.05	436040.68	661284.57	N 32 11 53.66	W 103 57 0.60
	15618.00	89.35	90.58	14419.96	5862.30	623.32	5828.03	0.88	436040.33	661377.93	N 32 11 53.66	W 103 57 0.30
	15713.00	89.83	91.93	14495.45	5956.53	622.77	5922.95	0.08	436040.00	661471.29	N 32 11 53.66	W 103 57 0.00
	15808.00	89.52	90.73	14570.94	6050.76	622.22	6017.94	1.53	436039.65	661564.65	N 32 11 53.66	W 103 57 0.70
	15903.00	89.21	89.51	14646.43	6145.00	621.67	6112.89	1.30	436039.30	661658.01	N 32 11 53.66	W 103 57 0.40
	16008.00	88.68	89.78	14721.92	6239.23	621.12	6207.88	1.32	436038.95	661751.37	N 32 11 53.66	W 103 57 0.10
	16103.00	89.00	89.54	14797.41	6333.46	620.57	6302.83	0.84	436038.60	661844.73	N 32 11 53.66	W 103 57 0.80
	16198.00	89.21	91.10	14872.90	6427.69	619.92	6397.78	0.43	436038.25	661938.09	N 32 11 53.66	W 103 57 0.50
	16293.00	88.83	90.22	14948.39	6521.92	619.37	6492.73	1.87	436037.90	662031.45	N 32 11 53.66	W 103 57 0.20
	16388.00	89.00	89.65	15023.88	6616.15	618.82	658					

OXY USA Inc.
Cedar Canyon 23-24 Federal Com 34H
API No. 30-015-44178

14-3/4" hole @ 436'
10-3/4" csg @ 428'
w/ 329sx-TOC-Surf Circ.

9-7/8" hole @ 9387'
7-5/8" csg @ 9377'
w/ 1656sx-TOC-Surf Circ.

6-3/4" hole @ 17582'
4-1/2" liner @ 9233-17572'
w/ 1028sx-TOC- 9233' Circ

Perfs @ 10188-17410'

TD- 17582'M 10119'V