

NOV 3 7 2019

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
(As-Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45564	Pool Code 98220	Pool Name Purple Sage Wolfcamp
Property Code 323008	Property Name HEIGHT CC "6_7" FEDERAL COM	Well Number 36H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2955.9'

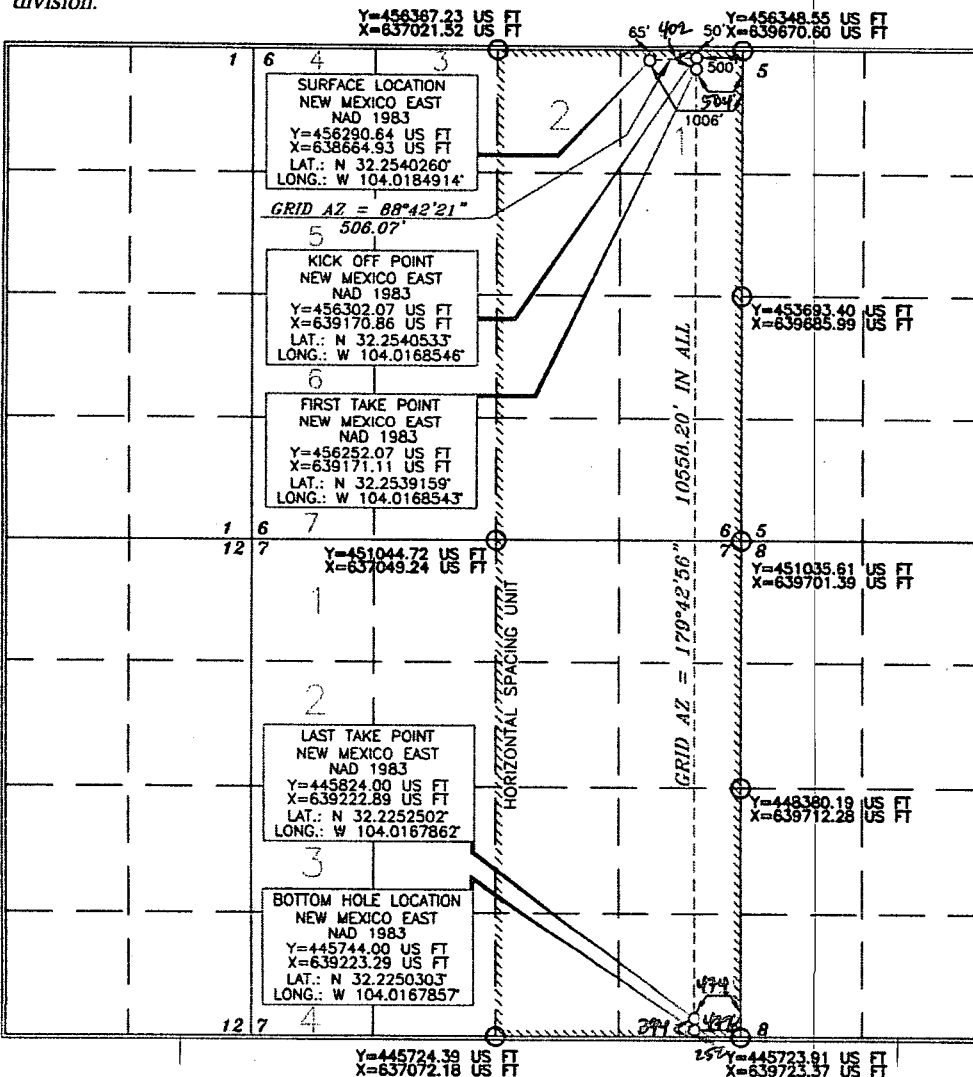
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	6	24 SOUTH	29 EAST, N.M.P.M.		65'	NORTH	1006'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	7	24 SOUTH	29 EAST, N.M.P.M.		20' 52"	SOUTH	500' 472"	EAST	EDDY
Dedicated Acres 639.88	Joint or Infill Y	Consolidation Code	Order No.	LTP - 394 FSL 474 FEL NSL - 7798 FTP - 402 FNL 504 FEL					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or in a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *[Signature]* Date: **8/22/19**
Printed Name: **Jana Mendiola**
Email Address: **janalyn-mendiola@oxy.com**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: **JUNE 28, 2018**
Signature and Seal of Professional Land Surveyor: *[Signature]*
Certificate Number: **15079**

Intent ☐ As Drilled ☒

API #
30-015-45564

Operator Name: OXY USA Inc.	Property Name: Height CC 6-7 Federal Com	Well Number 36H
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Kick Off Point (KOP)

UL A	Section 6	Township 24S	Range 29E	Lot 1	Feet 102	From N/S N	Feet 579	From E/W E	County EDDY
Latitude 32.25392					Longitude -104.01711			NAD NAD83	

First Take Point (FTP)

UL A	Section 6	Township 24S	Range 29E	Lot 1	Feet 402	From N/S N	Feet 504	From E/W E	County EDDY
Latitude 32.25309					Longitude -104.01687			NAD NAD83	

Last Take Point (LTP)

UL P	Section 7	Township 24S	Range 29E	Lot	Feet 394	From N/S S	Feet 474	From E/W E	County EDDY
Latitude 32.22608					Longitude -104.01687			NAD NAD83	

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #	Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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

August 15, 2019

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

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FEB 20 2020

EMNRD-OCD ARTESIA

S6, T24S, R29E Eddy, NM
N 32.254026 W -104.0184914

Re:

CLIENT: Oxy USA Incorporated
WELL: Height CC 6_7 Federal Com 36H
FIELD: Purple Sage-Wolfcamp (GAS)

RIG: HP 639
COUNTY: Eddy
API NO: 30-015-45564
JOB NO: 19MLH0194

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>
Jon Koestner FS	Height CC 6_7 Federal Com 36H Original Hole	547.00 Ft to 19893.00 Ft	April 28, 2019 to July 14, 2019	SlimPulse 3rd Party Corrected

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

Andrew Salomon
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
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

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DEC 04 2019

Schlumberger

DISTRICT/ARTESIAO.C.D.

Well Reference:
S6, T24S, R29E Eddy, NM
N 32.254026 W -104.0184914

I, Jon Koestner certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of April 28, 2019 through July 14, 2019, conduct or supervise the taking of the SlimPulse & Third Party Corrected Surveys surveys from a depth of 547.00 feet to a depth of 19893.00 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 Height CC 6_7 Federal Com 36H Well (Original Hole) API No. 30-015-45564 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

Jon Koestner
FS



Subscribed and Sworn to before me this 15 day of August (month) 2019 (yr)

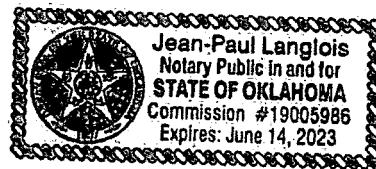
My Commission expires:

6/14/2023

Notary Public

Jean Paul Langlois
Comanche, Oklahoma
(County State)

(signature)



Oxy Height CC 6-7 Federal Com 36H Gyro + MWD 0-19940' MD Survey

Geodetic Report

(Def Survey)



Report Date: July 18, 2019 - 04:56 PM
 Client: OXY
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Oxy Height CC 6-7 Federal Com 36H / Oxy Height CC 6-7 Federal Com 36H
 Well: Oxy Height CC 6-7 Federal Com 36H
 Borehole: Original Borehole
 UWM / API#: Unknown / 30-015-45564
 Survey Name: Oxy Height CC 6-7 Federal Com 36H Gyro + MWD 0-19940' MD
 Survey Date: March 26, 2019
 Tort / AHD / DDI / ERD Ratio: 215.973' / 10758.523 ft / 6.666 / 1.075
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 15' 14.49356", W 104° 1' 6.56886"
 Location Grid N/E Y/X: N 456290.640 RUS, E 638664.930 RUS
 CRS Grid Convergence Angle: 0.1680°
 Grid Scale Factor: 0.99991994
 Version / Patch: 2.10.760.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 176.899° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB=26.5'
 TVD Reference Elevation: 2982.400 ft above MSL
 Seabed / Ground Elevation: 2955.900 ft above MSL
 Magnetic Declination: 7.005°
 Total Gravity Field Strength: 998.4714mgn (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 47906.500 nT
 Magnetic Dip Angle: 60.014°
 Declination Date: July 05, 2019
 Magnetic Declination Model: IFR1
 North Reference: Grid North
 Grid Convergence Used: 0.1680°
 Total Corr Mag North->Grid North: 6.8370°
 Local Coord Referenced To: Well Head

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 ° ' ")
RKB	0.00	0.00	153.40	0.00	0.00	0.00	0.00	N/A	456290.64	638664.93	N 32 15 14.49 W 104	1 6.57
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	456290.64	638664.93	N 32 15 14.49 W 104	1 6.57
	99.50	0.49	293.32	99.50	-0.14	0.12	-0.29	0.67	456290.76	638664.94	N 32 15 14.49 W 104	1 6.57
	134.50	0.57	294.20	134.50	-0.29	0.25	-0.58	0.23	456290.89	638664.35	N 32 15 14.50 W 104	1 6.58
	189.50	0.73	316.35	189.49	-0.68	0.62	-1.07	0.54	456291.26	638663.86	N 32 15 14.50 W 104	1 6.58
	246.50	0.71	315.99	246.49	-1.22	1.14	-1.57	0.04	456291.78	638663.96	N 32 15 14.50 W 104	1 6.59
	310.50	0.84	342.32	310.48	-1.97	1.87	-1.99	0.59	456292.51	638662.94	N 32 15 14.51 W 104	1 6.59
	370.50	0.98	357.04	370.48	-2.91	2.80	-2.15	0.45	456293.44	638662.78	N 32 15 14.52 W 104	1 6.59
	547.00	1.55	22.92	546.93	-6.57	6.51	-1.30	0.45	456297.15	638663.63	N 32 15 14.56 W 104	1 6.58
	642.00	1.73	28.24	641.90	-8.95	8.95	-0.12	0.25	456299.59	638664.81	N 32 15 14.58 W 104	1 6.57
	831.00	0.03	187.95	830.87	-11.33	11.42	1.23	0.93	456302.06	638666.16	N 32 15 14.61 W 104	1 6.55
	902.00	0.07	81.06	901.87	-11.32	11.41	1.27	0.12	456302.04	638666.20	N 32 15 14.61 W 104	1 6.55
	996.00	0.06	303.72	995.87	-11.36	11.44	1.28	0.13	456302.08	638666.21	N 32 15 14.61 W 104	1 6.55
	1185.00	0.03	239.54	1184.87	-11.39	11.47	1.16	0.03	456302.11	638666.09	N 32 15 14.61 W 104	1 6.56
	1280.00	0.03	18.59	1279.87	-11.40	11.48	1.14	0.06	456302.12	638666.07	N 32 15 14.61 W 104	1 6.56
	1469.00	0.10	83.01	1468.87	-11.46	11.55	1.32	0.05	456302.19	638666.25	N 32 15 14.61 W 104	1 6.55
	1564.00	0.04	172.29	1563.87	-11.43	11.53	1.41	0.11	456302.17	638666.34	N 32 15 14.61 W 104	1 6.55
	1658.00	0.07	104.14	1657.87	-11.38	11.48	1.47	0.07	456302.12	638666.40	N 32 15 14.61 W 104	1 6.55
	1718.00	0.01	107.12	1717.87	-11.37	11.47	1.51	0.10	456302.11	638666.44	N 32 15 14.61 W 104	1 6.55
	1812.00	0.07	58.71	1811.87	-11.40	11.50	1.57	0.07	456302.14	638666.50	N 32 15 14.61 W 104	1 6.55
	2001.00	0.17	79.47	2000.87	-11.49	11.61	1.94	0.06	456302.25	638666.87	N 32 15 14.61 W 104	1 6.55
	2096.00	0.29	78.73	2095.87	-11.54	11.68	2.32	0.13	456302.32	638667.25	N 32 15 14.61 W 104	1 6.54
	2191.00	0.25	58.04	2190.86	-11.67	11.84	2.73	0.11	456302.48	638667.66	N 32 15 14.61 W 104	1 6.54
	2285.00	0.05	150.91	2284.86	-11.74	11.91	2.92	0.27	456302.55	638667.85	N 32 15 14.61 W 104	1 6.53
	2380.00	0.22	159.64	2379.86	-11.52	11.70	3.00	0.18	456302.34	638667.93	N 32 15 14.61 W 104	1 6.53
	2474.00	0.01	176.52	2473.86	-11.34	11.53	3.07	0.22	456302.17	638668.00	N 32 15 14.61 W 104	1 6.53
	2569.00	0.07	181.45	2568.86	-11.28	11.46	3.07	0.06	456302.10	638668.00	N 32 15 14.61 W 104	1 6.53
	2758.00	0.05	249.66	2757.86	-11.14	11.32	2.99	0.04	456301.95	638667.92	N 32 15 14.61 W 104	1 6.53
	2853.00	0.04	313.29	2852.86	-11.15	11.32	2.92	0.05	456301.96	638667.85	N 32 15 14.61 W 104	1 6.53
	2947.00	0.03	22.05	2946.86	-11.20	11.37	2.91	0.04	456302.01	638667.84	N 32 15 14.61 W 104	1 6.53
	3042.00	0.03	114.65	3041.86	-11.21	11.38	2.94	0.05	456302.02	638667.87	N 32 15 14.61 W 104	1 6.53
	3136.00	0.01	229.61	3135.86	-11.19	11.37	2.96	0.04	456302.01	638667.89	N 32 15 14.61 W 104	1 6.53
	3231.00	0.03	287.00	3230.86	-11.19	11.37	2.93	0.03	456302.01	638667.86	N 32 15 14.61 W 104	1 6.53
	3325.00	0.03	54.94	3324.86	-11.21	11.39	2.92	0.06	456302.03	638667.85	N 32 15 14.61 W 104	1 6.53
	3515.00	0.01	353.03	3514.86	-11.26	11.43	2.96	0.01	456302.07	638667.89	N 32 15 14.61 W 104	1 6.53
	3609.00	0.03	85.59	3608.86	-11.27	11.44	2.99	0.03	456302.08	638667.92	N 32 15 14.61 W 104	1 6.53
	3704.00	0.04	59.95	3703.86	-11.28	11.46	3.04	0.02	456302.10	638667.97	N 32 15 14.61 W 104	1 6.53
	3799.00	0.03	171.77	3798.86	-11.27	11.46	3.07	0.06	456302.09	638668.00	N 32 15 14.61 W 104	1 6.53
	3988.00	0.01	61.71	3987.86	-11.23	11.41	3.09	0.02	456302.05	638668.02	N 32 15 14.61 W 104	1 6.53
	4082.00	0.04	163.03	4081.86	-11.20	11.39	3.11	0.05	456302.03	638668.04	N 32 15 14.61 W 104	1 6.53
	4177.00	0.04	151.39	4176.86	-11.14	11.33	3.14	0.01	456301.96	638668.07	N 32 15 14.61 W 104	1 6.53
	4271.00	0.01	37.96	4270.86	-11.12	11.30	3.16	0.05	456301.94	638668.09	N 32 15 14.61 W 104	1 6.53
	4366.00	0.08	211.89	4365.86	-11.07	11.25	3.13	0.09	456301.89	638668.06	N 32 15 14.60 W 104	1 6.53
	4555.00	0.08	150.30	4554.86	-10.84	11.03	3.12	0.04	456301.87	638668.05	N 32 15 14.60 W 104	1 6.53
	4744.00	0.06	89.62	4743.86	-10.72	10.91	3.29	0.04	456301.55	638668.22	N 32 15 14.60 W 104	1 6.53
	4839.00	0.05	344.02	4838.86	-10.75	10.95	3.32	0.09	456301.59	638668.25	N 32 15 14.60 W 104	1 6.53
	4933.00	0.08	242.07	4932.86	-10.77	10.96	3.26	0.11	456301.60	638668.19	N 32 15 14.60 W 104	1 6.53
	5122.00	0.19	308.43	5121.86	-10.92	11.10	2.89	0.09	456301.73	638667.82	N 32 15 14.60 W 104	1 6.53
	5217.00	0.21	87.38	5216.86	-11.03	11.20	2.94	0.39	456301.84	638667.87	N 32 15 14.60 W 104	1 6.53
	5311.00	0.15	267.03	5310.86	-11.02	11.20	2.99	0.38	456301.84	638667.92	N 32 15 14.60 W 104	1 6.53
	5405.00	0.25	108.35	5404.86	-10.95	11.13	3.06	0.42	456301.77	638667.99	N 32 15 14.60 W 104	1 6.53
	5500.00	0.04	83.18	5499.86	-10.88	11.07	3.29	0.23	456301.71	638668.22	N 32 15 14.60 W 104	1 6.53
	5690.00	0.18	115.90	5689.86	-10.74	10.95	3.63	0.08	456301.59	638668.56	N 32 15 14.60 W 104	1 6.53
	5784.00	0.16	188.98	5783.86	-10.54	10.75	3.74	0.22	456301.39	638668.67	N 32 15 14.60 W 104	1 6.52
	5879.00	0.18	340.56	5878.86	-10.55	10.76	3.67	0.35	456301.40	638668.60	N 32 15 14.60 W 104	1 6.53
	5973.00	0.08	8.09	5972.86	-10.75	10.97	3.63	0.12	456301.61	638668.56	N 32 15 14.60 W 104	1 6.53
	6068.00	0.04	27.71	6067.86	-10.85	11.06	3.66	0.05	456301.70	638668.59	N 32 15 14.60 W 104	1 6.53
	6162.00	0.03	98.62	6161.86	-10.87	11.09	3.70	0.04	456301.73	638668.63	N 32 15 14.60 W 104	1 6.53
	6257.00	0.01	76.27	6256.86	-10.87	11.09	3.73	0.02	456301.73	638668.66	N 32 15 14.60 W 104	1 6.53
	6352.00	1.88	110.30	6351.84	-10.25	10.55	5.20	1.97	456301.19	638670.13	N 32 15 14.60 W 104	1 6.51
	6446.00	4.81	110.81	6445.67	-8.04	8.61	10.33	3.12	456299.25	638675.26	N 32 15 14.58 W 104	1 6.45
	6636.00	6.24	101.80	6634.79	-2.16	3.67	27.88	0.88	456294.31	638692.81	N 32 15 14.53 W 104	1 6.24
	6825.00	6.34	97.36	6822.65	2.38	0.23	48.29	0.26	456290.87	638713.21	N 32 15 14.49 W 104	1 6.01
	6919.00	6.39	93.90	6916.07	3.96	-0.79	58.65	0.41	456289.85	638723.58	N 32 15 14.48 W 104	1 5.89
	7014.00	6.63	90.15	7010.46	4.92	-1.16	69.41	0.51	456289.48	638734.34	N 32 15 14.48 W 104	1 5.76
	7109.00	6.77	89.39	7104.81	5.47	-1.12	80.50	0.17	456289.52	638745.42	N 32 15 14.48 W 104	1 5.63
	7203.00	6.62	83.08	7198.17	5.35	-0.40	91.42	0.80	456290.24	638756.34	N 32 15 14.49 W 104	1 5.50
	7296.00	6.45	80.81	7290.57	4.44	1.08	101.89	0.33	456291.72	638766.82	N 32 15 14.50 W 104	1 5.38
	7391.00	5.93	78.62	7385.01	3.17	2.90	111.97	0.60	456293.54	638776.99	N 32 15 14.52 W 104	1 5.26
	7486.00	5.69	80.88	7479.53	1.97	4.61	121.43	0.35	456295.25	638786.35	N 32 15 14.54 W 104	1 5.15
	7580.00	5.54	83.13	7573.08	1.18	5.89	130.54	0.28	456296.53	638795.46	N 32 15 14.55 W 104	1 5.05
	7674.00	5.46	82.75	7666.64	0.56	7.00	139.48	0.09	456297.64	638804.40	N 32 15 14.56 W 104	1 4.94
	7863.00	6.74	88.11	7854.57	0.14	8.50	159.49	0.74	456299.14	638824.40	N 32 15 14.57 W 104	1 4.71
	7958.00	7.52	89.61	7948.83	0.55	8.73	171.27	0.84	456299.37	638836.19	N 32 15 14.57 W 104	1 4.57
	8052.00	8.29	90.83	8041.94	1.31	8.67	184.20	0.84	456299.31	638849.12	N 32 15 14.57 W 104	1 4.42
	8147.00	8.38	93.68</									

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 ° ' ")
KOP Actual 100' FNL Crossed	8430.00	12.61	92.28	8414.29	8.77	4.68	248.51	1.62	456295.32	638913.42	N 32 15 14.53 W 104	1 3.67
	8524.00	13.19	91.02	8505.92	10.50	4.08	269.49	0.69	456294.72	638934.39	N 32 15 14.53 W 104	1 3.43
	8619.00	12.89	92.04	8598.47	12.23	3.51	290.91	0.40	456294.15	638955.82	N 32 15 14.52 W 104	1 3.18
	8714.00	12.40	93.95	8691.16	14.43	2.43	311.68	0.68	456293.07	638976.58	N 32 15 14.51 W 104	1 2.94
	8808.00	11.31	99.29	8783.16	17.65	0.25	330.84	1.64	456290.89	638995.75	N 32 15 14.49 W 104	1 2.72
	8903.00	12.50	107.08	8876.12	23.20	-4.28	349.87	2.10	456286.36	639014.77	N 32 15 14.44 W 104	1 2.50
	8997.00	12.92	111.87	8967.82	31.14	-11.18	369.34	1.21	456279.46	639034.24	N 32 15 14.37 W 104	1 2.27
	9092.00	12.94	113.13	9060.41	40.33	-19.31	388.98	0.30	456271.33	639053.88	N 32 15 14.29 W 104	1 2.04
	9187.00	12.59	114.31	9153.06	49.80	-27.76	408.20	0.46	456262.89	639073.10	N 32 15 14.21 W 104	1 1.82
	9282.00	12.28	117.71	9245.84	59.74	-36.72	426.58	0.84	456253.93	639091.47	N 32 15 14.12 W 104	1 1.60
	9295.00	13.14	119.52	9258.52	61.24	-38.09	429.09	7.28	456252.56	639093.98	N 32 15 14.10 W 104	1 1.57
	9380.00	18.96	127.25	9340.18	75.40	-51.22	448.51	7.28	456239.43	639113.40	N 32 15 13.97 W 104	1 1.35
	9474.00	25.43	141.24	9427.23	101.74	-76.24	473.34	8.84	456214.40	639138.23	N 32 15 13.73 W 104	1 1.08
	9569.00	27.58	161.03	9512.40	139.54	-113.02	493.30	9.53	456177.63	639158.19	N 32 15 13.36 W 104	1 0.83
	9663.00	30.18	174.27	9594.79	184.13	-157.16	502.74	7.33	456133.49	639167.63	N 32 15 12.92 W 104	1 0.72
Wolfcamp Intersection	9758.00	37.22	181.00	9673.81	236.72	-209.73	504.63	8.38	456080.92	639169.52	N 32 15 12.40 W 104	1 0.70
	9853.00	47.03	180.12	9744.18	300.24	-273.37	504.05	10.34	456017.29	639168.94	N 32 15 11.77 W 104	1 0.71
	9876.62	48.88	180.90	9760.00	317.75	-290.91	503.90	8.21	455999.75	639168.79	N 32 15 11.60 W 104	1 0.71
	9947.00	54.42	182.99	9803.65	372.70	-346.05	501.99	8.21	455944.62	639166.87	N 32 15 11.05 W 104	1 0.74
	10042.00	61.30	184.21	9854.16	452.53	-426.28	496.91	7.32	455864.40	639161.80	N 32 15 10.26 W 104	1 0.80
	10135.00	75.86	183.07	9888.04	538.28	-512.45	491.47	15.70	455778.24	639156.36	N 32 15 9.41 W 104	1 0.86
	10230.00	83.11	178.06	9905.37	631.41	-605.75	490.60	9.22	455684.94	639155.48	N 32 15 8.49 W 104	1 0.88
	10324.00	86.77	174.32	9913.66	725.00	-699.15	496.82	5.56	455591.55	639161.71	N 32 15 7.56 W 104	1 0.81
	10479.00	88.67	178.01	9919.83	879.83	-853.64	507.18	2.68	455437.07	639172.06	N 32 15 6.03 W 104	1 0.69
	10666.00	88.74	181.30	9924.06	1066.54	-1040.57	508.30	1.76	455250.16	639173.19	N 32 15 4.18 W 104	1 0.69
	10759.00	88.46	181.57	9926.33	1159.22	-1133.51	505.97	0.42	455157.22	639170.86	N 32 15 3.26 W 104	1 0.72
	10852.00	88.98	181.14	9928.41	1251.92	-1226.46	503.78	0.73	455064.28	639168.66	N 32 15 2.34 W 104	1 0.74
	10946.00	88.70	180.62	9930.31	1345.67	-1320.43	502.33	0.63	454970.32	639167.22	N 32 15 1.41 W 104	1 0.76
	11041.00	88.60	181.30	9932.55	1440.40	-1415.39	500.74	0.72	454875.37	639165.63	N 32 15 0.47 W 104	1 0.79
	11228.00	88.46	181.32	9937.37	1627.79	-1603.28	496.44	0.08	454687.49	639161.33	N 32 14 58.61 W 104	1 0.84
Exit Target Box	11324.00	90.63	182.07	9938.13	1722.44	-1698.23	493.63	2.42	454592.55	639158.52	N 32 14 57.68 W 104	1 0.88
	11418.00	89.46	180.24	9938.05	1816.18	-1792.20	491.74	2.31	454498.58	639156.63	N 32 14 56.75 W 104	1 0.90
	11513.00	89.80	178.41	9938.67	1911.09	-1887.19	492.86	1.96	454403.61	639157.75	N 32 14 55.81 W 104	1 0.89
	11701.00	89.77	178.79	9939.37	2099.00	-2075.13	497.45	0.20	454215.68	639162.34	N 32 14 53.95 W 104	1 0.85
	11796.00	89.50	178.22	9939.98	2193.96	-2170.10	499.93	0.66	454120.72	639164.82	N 32 14 53.01 W 104	1 0.82
	11890.00	89.74	178.91	9940.60	2287.92	-2264.06	502.28	0.78	454026.76	639167.17	N 32 14 52.08 W 104	1 0.80
	12079.00	89.67	179.98	9941.57	2476.73	-2453.05	504.11	0.57	453837.79	639169.00	N 32 14 50.21 W 104	1 0.78
	12268.00	90.11	178.79	9941.94	2665.55	-2642.04	506.14	0.67	453648.82	639171.03	N 32 14 48.34 W 104	1 0.77
	12457.00	90.39	178.85	9941.11	2854.44	-2830.99	510.04	0.15	453459.88	639174.92	N 32 14 46.47 W 104	1 0.73
	12551.00	90.46	178.88	9940.42	2948.38	-2924.97	511.90	0.08	453365.91	639176.79	N 32 14 45.54 W 104	1 0.71
	12646.00	89.77	179.39	9940.22	3043.31	-3019.96	513.33	0.90	453270.93	639178.22	N 32 14 44.60 W 104	1 0.70
	12740.00	90.15	178.92	9940.29	3137.23	-3113.95	514.72	0.64	453176.95	639179.61	N 32 14 43.67 W 104	1 0.68
	12835.00	90.42	179.42	9939.62	3232.16	-3208.94	516.09	0.60	453081.96	639180.98	N 32 14 42.73 W 104	1 0.67
	12930.00	90.25	178.95	9939.26	3327.08	-3303.93	517.45	0.53	452986.98	639182.33	N 32 14 41.79 W 104	1 0.66
	Enter Target Box	13119.00	89.74	179.02	9939.28	3515.95	-3492.90	520.79	0.27	452798.03	639185.68	N 32 14 39.92 W 104
13307.00		90.15	178.71	9939.46	3703.84	-3680.86	524.52	0.27	452610.08	639189.40	N 32 14 38.06 W 104	1 0.59
13402.00		89.98	179.42	9939.35	3798.77	-3775.85	526.07	0.77	452515.10	639190.95	N 32 14 37.12 W 104	1 0.57
13591.00		90.05	178.76	9939.30	3987.64	-3964.82	529.07	0.35	452326.14	639193.96	N 32 14 35.25 W 104	1 0.54
13780.00		90.05	178.02	9939.14	4176.57	-4153.74	534.38	0.39	452137.24	639199.27	N 32 14 33.38 W 104	1 0.49
13875.00		89.84	178.65	9939.23	4271.54	-4248.70	537.14	0.70	452042.28	639202.03	N 32 14 32.44 W 104	1 0.46
13969.00		89.74	178.38	9939.57	4365.50	-4342.67	539.58	0.31	451948.32	639204.46	N 32 14 31.51 W 104	1 0.43
14158.00		90.42	177.11	9939.31	4554.48	-4531.52	547.01	0.76	451759.49	639211.90	N 32 14 29.64 W 104	1 0.35
14347.00		90.59	178.37	9937.64	4743.44	-4720.36	554.46	0.67	451570.67	639219.35	N 32 14 27.77 W 104	1 0.27
14536.00		89.49	179.71	9937.51	4932.31	-4909.33	557.63	0.92	451381.71	639222.52	N 32 14 25.90 W 104	1 0.24
14726.00		88.60	180.23	9940.68	5122.00	-5099.30	557.73	0.54	451191.76	639222.61	N 32 14 24.02 W 104	1 0.25
14915.00		89.01	180.30	9944.62	5310.64	-5288.26	556.86	0.22	451002.82	639221.74	N 32 14 22.15 W 104	1 0.27
15009.00		88.74	179.58	9946.46	5404.48	-5382.24	556.95	0.82	450908.84	639221.84	N 32 14 21.22 W 104	1 0.27
15198.00		89.18	178.93	9949.90	5593.29	-5571.19	559.41	0.42	450719.91	639224.30	N 32 14 19.35 W 104	1 0.25
340' FSL Crossed Final MWD Proj to TD		15388.00	89.29	181.04	9952.43	5782.99	-5761.16	559.46	1.11	450529.95	639224.35	N 32 14 17.47 W 104
	15482.00	89.29	180.87	9953.60	5876.75	-5855.14	557.90	0.18	450335.98	639222.78	N 32 14 16.54 W 104	1 0.27
	15671.00	90.01	181.60	9954.75	6065.20	-6044.09	553.82	0.54	450247.05	639218.71	N 32 14 14.67 W 104	1 0.33
	15860.00	89.22	180.70	9956.02	6253.67	-6233.04	550.03	0.63	450058.11	639214.91	N 32 14 12.80 W 104	1 0.38
	15954.00	89.29	180.94	9957.24	6347.44	-6327.03	548.68	0.27	449864.13	639213.57	N 32 14 11.87 W 104	1 0.40
	16144.00	89.35	180.95	9959.50	6536.96	-6516.99	545.55	0.03	449774.19	639210.44	N 32 14 9.99 W 104	1 0.44
	16333.00	89.11	181.68	9962.04	6725.38	-6705.92	541.21	0.41	449585.27	639206.10	N 32 14 8.12 W 104	1 0.50
	16522.00	88.36	181.99	9966.21	6913.63	-6894.77	535.16	0.43	449396.43	639200.05	N 32 14 6.25 W 104	1 0.57
	16711.00	89.01	182.01	9970.55	7101.83	-7083.61	528.57	0.34	449207.61	639193.46	N 32 14 4.39 W 104	1 0.66
	16806.00	89.73	180.29	9971.59	7196.56</							

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 ° ' ")
Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size Casing (in)		Diameter (in)	Survey Tool Type	Borehole / Survey			
	1	0.000	26.500	1/98.425	30.000		30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Height CC 6-7 Federal Com 36H Gyro + MWD 0-19940'MD			
	1	26.500	26.500	Act Stns	30.000		30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Oxy Height CC 6-7 Federal Com 36H Gyro + MWD 0-19940'MD			
	1	26.500	370.500	Act Stns	30.000		30.000	NAL_NSG+MSHOT	Original Borehole / Oxy Height CC 6-7 Federal Com 36H Gyro + MWD 0-19940'MD			
	1	370.500	18138.000	Act Stns	30.000		30.000	NAL_MWD_IFR1+MS	Original Borehole / Oxy Height CC 6-7 Federal Com 36H Gyro + MWD 0-19940'MD			
	1	18138.000	19218.000	Act Stns	30.000		30.000	NAL_MWD_PLUS_0.5_DEG	Original Borehole / Oxy Height CC 6-7 Federal Com 36H Gyro + MWD 0-19940'MD			
	1	19218.000	19940.000	Act Stns	30.000		30.000	NAL_MWD_IFR1+MS	Original Borehole / Oxy Height CC 6-7 Federal Com 36H Gyro + MWD 0-19940'MD			

...Original Borehole\Oxy Height CC 6-7 Federal Com 36H Gyro + MWD 0-19940'MD

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Cabinet Secretary

Gabriel Wade, Acting Director
Oil Conservation Division



January 14, 2019

Ms. Leslie Reeves
LESLIE_REEVES@oxy.com

NON-STANDARD LOCATION

Administrative Order NSL-7798

Oxy USA, Inc. [OGRID 16696]
Height CC 6 7 Federal Com Well No. 036H
API No. 30-015-45564

Proposed Location

	Footages	Unit/Lot	Sec.	Twsp	Range	County
Surface	65 FNL & 1006 FEL	A/1	6	24S	29E	Eddy
First Take Point	100 FNL & 500 FEL	A/1	6	24S	29E	Eddy
Last Take Point	330 FSL & 500 FEL	P	7	24S	29E	Eddy
Terminus	20 FSL & 500 FEL	P	7	24S	29E	Eddy

Proposed Horizontal Gas Units

Description	Acres	Pool	Pool Code
E2 of Section 6 E2 of Section 7	639.88	Purple Sage; Wolfcamp (GAS)	98220

This NSL application was initially protested on December 28, 2018. The protest was resolved between the parties.

Reference is made to your application received on December 13, 2018.

You have requested to complete this horizontal well as a gas well described above in the referenced pool or formation. This well is governed by special rules for the Purple Sage; Wolfcamp (Gas) Pool of and provides for 320-acre units, with wells located at least 330 feet from a unit outer boundary.

This well's completed interval is as close as 100 feet to the northern edge of the horizontal spacing unit. Encroachment will impact the following tracts.

Section 31 23S 29E, encroachment to the entire section

Administrative Order NSL-7798
Oxy USA, Inc.
January 14, 2019
Page 2 of 2

The Division understands you have given notice of this application to all operators or owners who are "affected persons," as defined in Paragraph (8) Subsection A of 19.15.2.7 NMAC, in all adjoining units towards which the proposed location encroaches.

Division understands you seek this unorthodox location as an efficient spacing of your horizontal wells, thereby preventing waste within the Wolfcamp formation underlying the E2 of Section 6 and E2 of Section 7.

Your application has been filed under Subsection 6 of Paragraph of Section (C) of 19.15.16.15 NMAC, 19.15.15.13 NMAC and Paragraph (2) of Subsection A of 19.15.4.12 NMAC.

Per Subsection B of 19.15.15.13 NMAC, Division approves this unorthodox location.

The above approvals are subject to your following all other applicable Division rules.

Jurisdiction of this case is retained for the entry of further orders as Division deems necessary.



Gabriel Wade
Acting Director

GW/lrl

cc: Oil Conservation Division – Artesia District Office
Bureau of Land Management – Carlsbad Field Office

Schlumberger

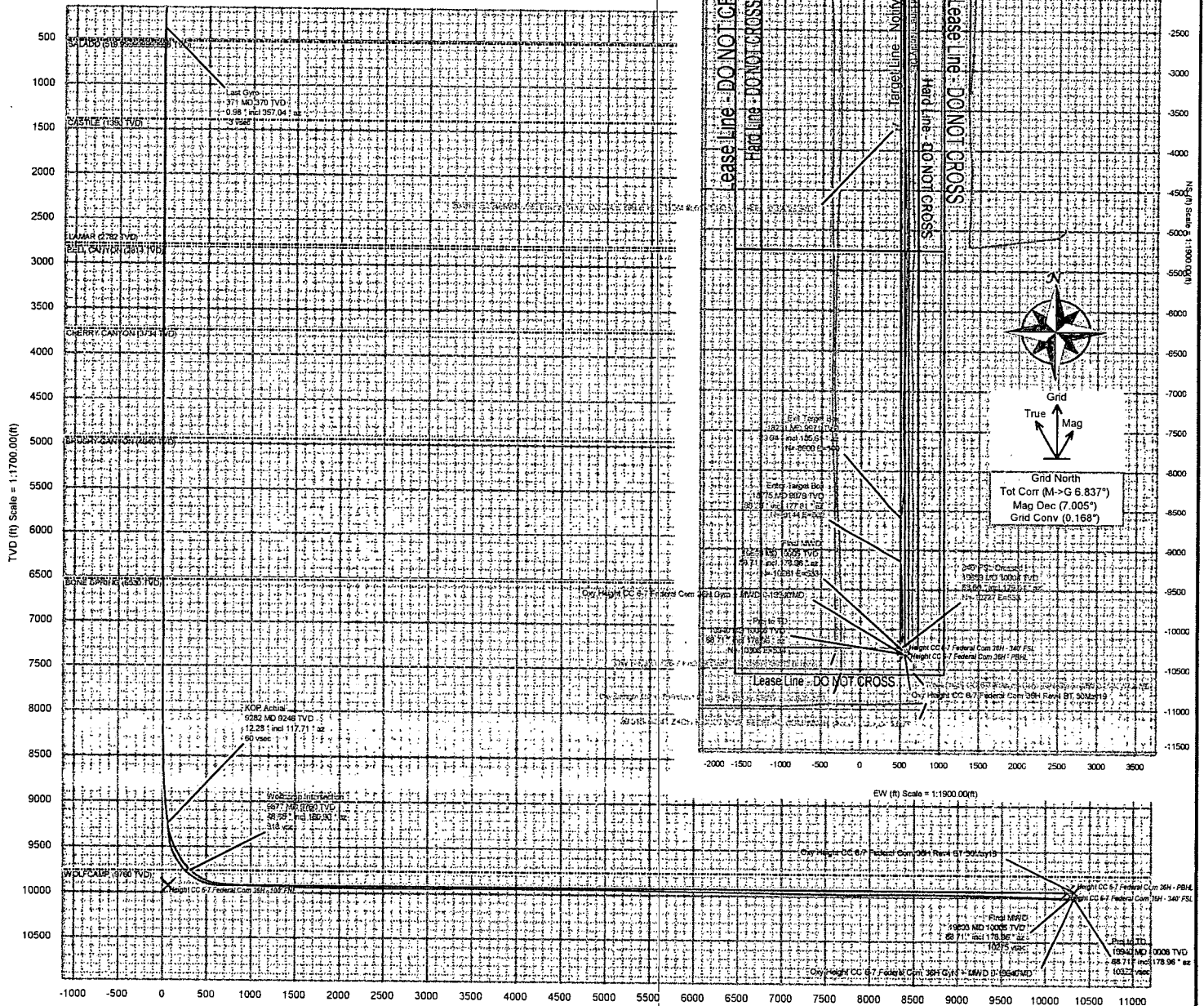
OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Height CC 6-7 Federal Com 36H	NM Eddy County (NAD 83)	Oxy Height CC 6-7 Federal Com 36H

Gravity & Magnetic Parameters	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous
Model: IFR1 Dip: 60.014° Date: 05-Jul-2019	Lat: N 32 15 14.49 Northing: 456290.841US	Grid Conv: 0.168"	Oxy Height CC 6-7 Federal Com 36H
MagDec: 7.005° FS: 47906.5nT Gravity FS: 938.471mgal (9.80665 Based)	Lon: W 104 1 6.57 Easting: 638664.931US	Scale Fact: 0.99991994	TVD Ref: RKB=26.5'(2992.4ft above MSL)
			Plan: Oxy Height CC 6-7 Federal Com 36H Gyro + MWD 0-19940 TMD

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)S(-)	E(+)W(-)	DLS
RKB	0.00	0.00	153.40	0.00	0.00	0.00	0.00	
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	
Last Gyro	370.50	0.98	357.04	370.48	-2.91	2.80	-2.15	0.45
KOP Actual	9282.00	12.28	117.71	9245.84	59.74	-36.72	426.58	0.84
100' FNL Crossed	9295.00	13.14	119.52	9258.52	61.24	-38.09	429.09	7.28
Wolfcamp Intersection	9876.62	48.88	180.90	9760.00	317.75	-290.91	503.90	8.21
Ext Target Box	18231.00	89.94	185.61	9971.47	8614.65	-8600.20	499.84	6.06
Enter Target Box	18775.00	89.29	177.81	9979.44	9157.59	-9143.81	502.30	0.95
340' FSL Crossed	19859.00	88.66	179.04	10003.82	10240.87	-10227.03	532.53	0.29
Final MWD	19893.00	88.71	178.96	10004.60	10274.83	-10281.02	533.12	0.29
Proj to TD	19940.00	88.71	178.96	10005.66	10321.79	-10308.00	533.98	0.00



Vertical Section (ft) Azim = 176.90° Scale = 1:1700.00(ft) Origin = 0N/S, 0E/W