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

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 30-015-45870	Pool Code 96473	Pool Name Pierce Crossing ; Bone Spring, East
Property Code 325381	Property Name GUACAMOLE CC "24_23" FEDERAL	
OGRID No. 16696	Operator Name OXY USA INC.	Well Number 11H
		Elevation 3092.3'

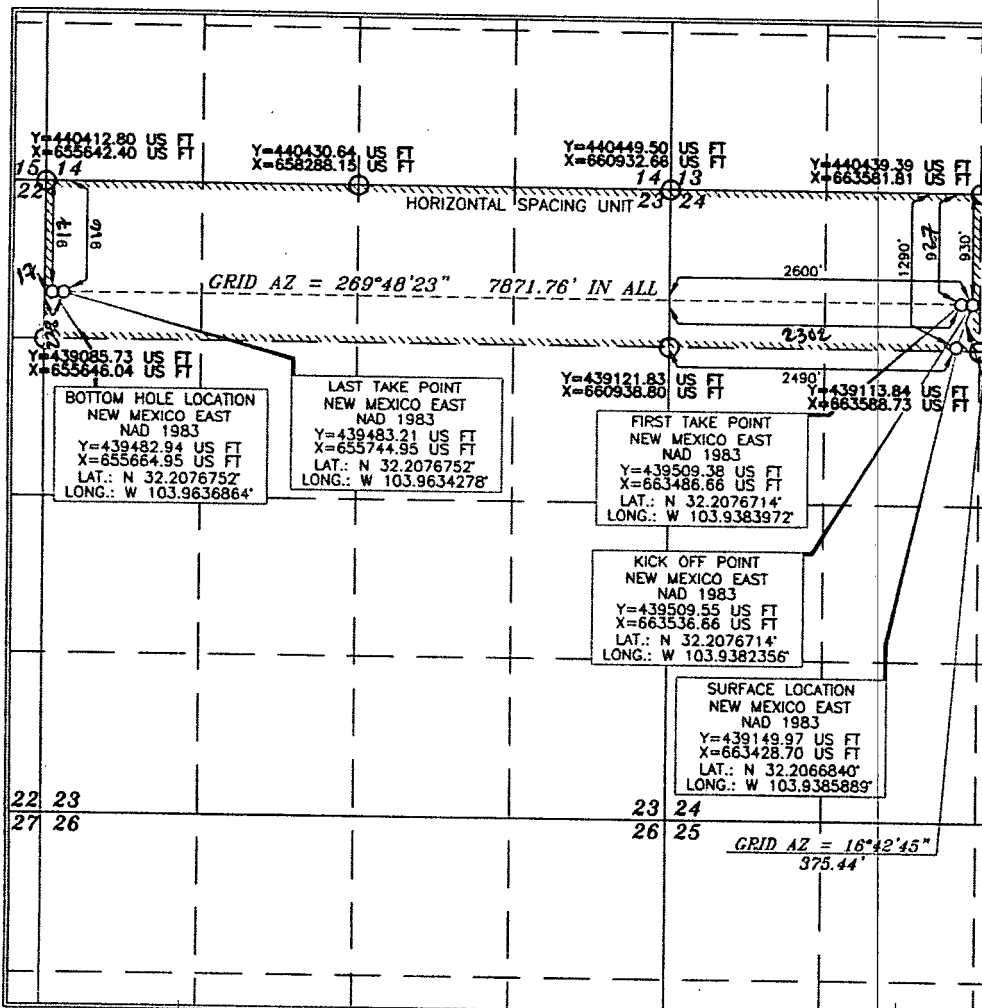
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	24	24 SOUTH	29 EAST, N.M.P.M.		1290'	NORTH	2490'	WEST	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
D	23	24 SOUTH	29 EAST, N.M.P.M.		917	NORTH	2017	WEST	EDDY
Dedicated Acres 240		Joint or Infill Y	Consolidation Code	Order No.	FIP- 927 FWL 2302 FWL (C, Sec. 24) LTP- 916 FWL 238 FWL (D, Sec. 23)				

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 to a voluntary pooling agreement or a compulsory pooling order.

Signature: *[Signature]* Date: **12/31/19**
Printed Name: **Jana Mendiola**
Email Address: **jana.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.

Signature: *[Signature]* Date of Survey: **MAY 3, 2018**
Professional Surveyor: **15079**

Signature: *[Signature]* Date: **5/1/2019**
Certificate Number: **15079**

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DISTRICT 7-ARTESIA O.C.D.

Intent ☐ As Drilled ☒API #
30-015-45870Operator Name:
OXY USA Inc.Property Name:
Guacamole CC 24-23 FederalWell Number
11H

Kick Off Point (KOP)

UL C	Section 24	Township 24S	Range 29E	Lot	Feet 1022	From N/S N	Feet 2598	From E/W W	County EDDY
Latitude 32.20742					Longitude -103.93824			NAD NAD83	

First Take Point (FTP)

UL C	Section 24	Township 24S	Range 29E	Lot	Feet 927	From N/S N	Feet 2302	From E/W W	County EDDY
Latitude 32.20768					Longitude -103.93919			NAD NAD83	

Last Take Point (LTP)

UL D	Section 23	Township 24S	Range 29E	Lot	Feet 916	From N/S N	Feet 238	From E/W W	County EDDY
Latitude 32.20779					Longitude -103.96297			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

* * * * *

A Certified Directional Survey requested as required by NMOCD Rule 19.15.16.14 NMAC

Schlumberger

Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960' MD Survey Geodetic Report (Def Survey)



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DISTRICT 7 ARTESIA O.C.D.

Report Date:	November 25, 2019 - 03:21 PM	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	OXY	Vertical Section Azimuth:	272.456 ° (Grid North)
Field:	NM Eddy County (NAD 83)	Vertical Section Origin:	0,000 ft, 0.000 ft
Structure / Slot:	Oxy Guacamole CC 24-23 Federal 11H / Oxy Guacamole CC 24-23 Federal 11H	TVD Reference Datum:	RKB=26.5'
Well:	Oxy Guacamole CC 24-23 Federal 11H	TVD Reference Elevation:	3118,800 ft above MSL
Borehole:	Original Borehole	Seabed / Ground Elevation:	3092,300 ft above MSL
UWM / API#:	Unknown / 30-015-45870	Magnetic Declination:	6.832 °
Survey Name:	Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960' MD	Total Gravity Field Strength:	998,4582mgn (9.80665 Based)
Survey Date:	October 09, 2019	Gravity Model:	GARM
Tort / AHD / DDI / ERD Ratio:	247.281' / 8307.233 ft / 6.599 / 1.007	Total Magnetic Field Strength:	47858,100 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Dip Angle:	59,900 °
Location Lat / Long:	N 32° 12' 24.06251", W 103° 56' 18.91995"	Declination Date:	October 30, 2019
Location Grid N/E Y/X:	N 439149.970 RUS, E 663428.700 ftUS	Magnetic Declination Model:	IIFR1
CRS Grid Convergence Angle:	0.2104 °	North Reference:	Grid North
Grid Scale Factor:	0.99992616	Grid Convergence Used:	0.2104 °
Version / Patch:	2.10.782.0	Total Corr Mag North->Grid	6.6216 °
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
RKB	0.00	0.00	272.46	0.00	0.00	0.00	0.00	N/A	439149.97	663428.70	N 32 12 24.06	W 103 56 18.92
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	439149.97	663428.70	N 32 12 24.06	W 103 56 18.92
	82.50	0.42	82.31	82.50	-0.20	0.03	0.20	0.75	439150.00	663428.90	N 32 12 24.06	W 103 56 18.92
	108.50	0.36	331.92	108.50	-0.25	0.11	0.26	2.47	439150.08	663428.96	N 32 12 24.06	W 103 56 18.92
	141.50	0.59	336.16	141.50	-0.13	0.36	0.14	0.70	439150.33	663428.84	N 32 12 24.07	W 103 56 18.92
	170.50	0.71	2.48	170.50	-0.06	0.68	0.09	1.10	439150.65	663428.79	N 32 12 24.07	W 103 56 18.92
	197.50	0.78	25.61	197.49	-0.13	1.01	0.18	1.14	439150.98	663428.88	N 32 12 24.07	W 103 56 18.92
	227.50	0.64	12.34	227.49	-0.24	1.36	0.30	0.72	439151.33	663429.00	N 32 12 24.08	W 103 56 18.92
	253.50	0.88	9.36	253.49	-0.29	1.69	0.36	0.94	439151.66	663429.06	N 32 12 24.08	W 103 56 18.92
	279.50	0.89	22.67	279.49	-0.38	2.08	0.47	0.79	439152.05	663429.17	N 32 12 24.08	W 103 56 18.91
	311.50	0.62	19.67	311.48	-0.52	2.47	0.63	0.85	439152.44	663429.33	N 32 12 24.09	W 103 56 18.91
	342.50	0.74	20.25	342.48	-0.63	2.82	0.75	0.39	439152.79	663429.45	N 32 12 24.09	W 103 56 18.91
	374.50	1.25	33.18	374.48	-0.87	3.30	1.02	1.73	439153.27	663429.72	N 32 12 24.10	W 103 56 18.91
	405.50	1.01	33.48	405.47	-1.19	3.81	1.35	0.77	439153.78	663430.05	N 32 12 24.10	W 103 56 18.90
	437.50	0.78	29.71	437.47	-1.43	4.24	1.62	0.74	439154.21	663430.32	N 32 12 24.10	W 103 56 18.90
	456.50	0.76	45.93	456.46	-1.58	4.44	1.77	1.15	439154.41	663430.47	N 32 12 24.11	W 103 56 18.90
	513.00	0.68	137.75	512.96	-2.07	4.45	2.26	1.83	439154.42	663430.96	N 32 12 24.11	W 103 56 18.89
	603.00	0.02	285.78	602.96	-2.43	4.06	2.61	0.77	439154.03	663431.31	N 32 12 24.10	W 103 56 18.89
	694.00	0.02	81.97	693.96	-2.43	4.07	2.61	0.04	439154.04	663431.31	N 32 12 24.10	W 103 56 18.89
	795.00	0.05	193.01	794.96	-2.44	4.02	2.62	0.06	439153.99	663431.32	N 32 12 24.10	W 103 56 18.89
	886.00	0.51	202.96	885.96	-2.29	3.61	2.45	0.51	439153.58	663431.15	N 32 12 24.10	W 103 56 18.89
	976.00	1.12	217.41	975.95	-1.65	2.55	1.76	0.71	439152.52	663430.46	N 32 12 24.09	W 103 56 18.90
	1067.00	1.71	230.29	1066.92	-0.13	0.97	0.17	0.73	439150.94	663428.87	N 32 12 24.07	W 103 56 18.92
	1157.00	2.40	237.37	1156.86	2.40	-0.90	-2.45	0.82	439149.07	663426.25	N 32 12 24.05	W 103 56 18.95
	1248.00	2.55	249.30	1247.78	5.83	-2.65	-5.94	0.59	439147.33	663422.76	N 32 12 24.04	W 103 56 18.99
	1340.00	2.57	259.21	1339.69	9.71	-3.75	-9.88	0.48	439146.22	663418.82	N 32 12 24.03	W 103 56 19.04
	1434.00	1.64	281.59	1433.62	13.09	-3.88	-13.27	1.30	439146.09	663415.43	N 32 12 24.02	W 103 56 19.07
	1528.00	1.50	272.90	1527.59	15.65	-3.55	-15.82	0.29	439146.42	663412.88	N 32 12 24.03	W 103 56 19.10
	1623.00	1.49	288.74	1622.56	18.08	-3.09	-18.23	0.43	439146.88	663410.47	N 32 12 24.03	W 103 56 19.13
	1718.00	0.24	163.04	1717.55	19.20	-2.88	-19.34	1.73	439147.09	663409.36	N 32 12 24.03	W 103 56 19.15
	1812.00	0.02	153.44	1811.55	19.13	-3.08	-19.28	0.23	439146.89	663409.42	N 32 12 24.03	W 103 56 19.14
	1907.00	0.02	233.09	1906.55	19.13	-3.11	-19.28	0.03	439146.86	663409.42	N 32 12 24.03	W 103 56 19.14
	2001.00	0.02	149.75	2000.55	19.14	-3.13	-19.29	0.03	439146.84	663409.41	N 32 12 24.03	W 103 56 19.14
	2096.00	0.05	45.60	2095.55	19.10	-3.12	-19.25	0.06	439146.85	663409.45	N 32 12 24.03	W 103 56 19.14
	2190.00	0.23	98.55	2189.55	18.88	-3.12	-19.03	0.22	439146.85	663409.67	N 32 12 24.03	W 103 56 19.14
	2284.00	0.06	37.59	2283.55	18.67	-3.11	-18.82	0.22	439146.86	663409.88	N 32 12 24.03	W 103 56 19.14
	2379.00	0.02	291.04	2378.55	18.65	-3.06	-18.80	0.07	439146.91	663409.90	N 32 12 24.03	W 103 56 19.14
	2473.00	0.02	193.94	2472.55	18.67	-3.07	-18.82	0.03	439146.90	663409.88	N 32 12 24.03	W 103 56 19.14
	2568.00	0.26	128.51	2567.55	18.50	-3.22	-18.66	0.27	439146.75	663409.88	N 32 12 24.03	W 103 56 19.14
	2663.00	0.76	124.15	2662.54	17.79	-3.71	-17.97	0.53	439146.26	663410.04	N 32 12 24.03	W 103 56 19.14
	2757.00	0.91	136.59	2756.53	16.73	-4.60	-16.94	0.25	439145.37	663410.73	N 32 12 24.03	W 103 56 19.13
	2852.00	0.55	166.14	2851.52	16.06	-5.59	-16.31	0.54	439144.38	663411.76	N 32 12 24.02	W 103 56 19.12
	2946.00	1.25	167.86	2945.51	15.67	-7.03	-15.99	0.75	439142.94	663412.39	N 32 12 24.01	W 103 56 19.11
	3040.00	1.97	174.08	3039.47	15.18	-9.64	-15.60	0.79	439140.33	663412.71	N 32 12 23.99	W 103 56 19.11
	3135.00	1.99	180.18	3134.42	14.87	-12.92	-15.44	0.22	439137.06	663413.10	N 32 12 23.97	W 103 56 19.10
	3229.00	1.41	186.77	3228.38	14.90	-15.70	-15.58	0.65	439134.28	663413.26	N 32 12 23.94	W 103 56 19.10
	3323.00	0.83	196.08	3322.36	15.14	-17.50	-15.91	0.64	439132.47	663413.12	N 32 12 23.91	W 103 56 19.10
	3418.00	0.13	40.02	3417.35	15.24	-18.08	-16.03	1.00	439131.89	663412.79	N 32 12 23.89	W 103 56 19.11
	3512.00	0.08	154.77	3511.35	15.14	-18.05	-15.93	0.19	439131.92	663412.67	N 32 12 23.88	W 103 56 19.11
	3607.00	0.03	158.06	3606.35	15.10	-18.14	-15.90	0.05	439131.83	663412.77	N 32 12 23.88	W 103 56 19.11
	3701.00	0.39	51.35	3700.35	14.85	-17.96	-15.84	0.43	439132.01	663412.81	N 32 12 23.89	W 103 56 19.11
	3796.00	0.25	354.66	3795.35	14.64	-17.55	-15.40	0.35	439132.42	663413.07	N 32 12 23.89	W 103 56 19.10
	3890.00	0.13	215.39	3889.35	14.72	-17.44	-15.48	0.38	439132.54	663413.30	N 32 12 23.89	W 103 56 19.10
	3985.00	0.03	323.90	3984.35	14.80	-17.50	-15.56	0.15	439132.47	663413.22	N 32 12 23.89	W 103 56 19.10
	4079.00	0.07	292.14	4078.35	14.87	-17.46	-15.63	0.05	439132.51	663413.14	N 32 12 23.89	W 103 56 19.10
	4174.00	0.09	175.45	4173.35	14.91	-17.51	-15.68	0.14	439132.46	663413.07	N 32 12 23.89	W 103 56 19.10
	4268.00	0.03	209.52	4267.35	14.91	-17.61	-15.68	0.07	439132.36	663413.02	N 32 12 23.89	W 103 56 19.10
	4362.00	0.03	183.14	4361.35	14.93	-17.65	-15.70	0.01	439132.32	663413.02	N 32 12 23.89	W 103 56 19.10
	4457.00	0.02	242.36	4456.35	14.94	-17.69	-15.71	0.03	439132.28	663413.01	N 32 12 23.89	W 103 56 19.10
	4551.00	0.05	24.80	4550.35	14.94	-17.66	-15.71	0.07	439132.31	663412.99	N 32 12 23.89	W 103 56 19.10
	4646.00	0.02	253.19	4645.35	14.94	-17.62	-15.71	0.07	439132.35	663412.99	N 32 12 23.89	W 103 56 19.10
	4740.00	0.02	176.83	4739.35	14.95	-17.65	-15.72	0.03	439132.33	663412.98	N 32 12 23.89	W 103 56 19.10
	4835.00	0.02	91.53	4834.35	14.93	-17.66	-15.71	0.03	439132.31	663412.98	N 32 12 23.89	W 103 56 19.10
	5024.00	0.02	14.57	5023.35	14.89	-17.63	-15.66	0.01	439132.34	663413.00	N 32 12 23.89	W 103 56 19.10
	5121.00	0.55	353.02	5120.35	14.97	-17.15	-15.72	0.55	439132.82	663413.04	N 32 12 23.89	W 103 56 19.10
	5215.00	2.97	42.93	5214.30	13.46	-14.92	-14.11	2.82	439135.05	663412.98	N 32 12 23.89	W 103 56 19.10
	5310.00	5.62	47.36	5309.03	8.58	-9.97	-9.01	2.81	439140.00	663414.59	N 32 12 23.92	W 103 56 19.08
	5404.00	6.66	45.95	5402.49	1.58	-3.06	-1.71	1.12	439146.91	663419.69	N 32 12 24.03	W 103 56 19.03
	5594.00	6.32	36.90	5591.27	-11.92	12.96	12.49	0.57	439162.93	663426.99	N 32 12 24.03	W 103 56 18.94
	5688.00	6.57	32.78	5684.68	-17.56	21.62	18.51	0.56	439171.59	663441.19	N 32 12 24.19	W 103 56 18.77
	5783.00	6.35	28.02	5779.08	-22.57	30.83	23.92	0.61	439180.80	663447.21	N 32 12 24.28	W 103 56 18.70
	5878.00	6.34	26.16	5873.50	-26.95	40.18	28.70	0.22	439190.14	663452.62	N 32 12 24.37	W 103 56 18.64
	5972.00	6.40	21.37	5966.92	-30.74	49.71	32.90	0.57	439199.68	663457.40	N 32 12 24.46	W 103 56 18.58
	6067.00	6.38	15.65	6061.33	-33.66	59.73	36.25	0.67	439199.68	663461.59	N 32 12 24.55	W 103 56 18.53
									439209.69	663464.95	N 32 12 24.65	W 103 56 18.50
Bone Spring Intersection	6070.00	6.40	15.69	6064.31	-33.73	60.05	36.34	0.77	439210.01	663465.04	N 32 12 24.66	W 103 56 18.49
	6161.00	7.09	16.69	6154.68	-36.27	70.31	39.32	0.77	439220.28	663468.02	N 32 12 24.76	W 103 56 18.46
	6256.00	8.75	24.98	6248.77	-40.48	82.48	44.06	2.12	439232.44	663472.76	N 32 12 24.88	W 103 56 18.40

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 ° ' '')
	6350.00	8.68	26.18	6341.69	-46.08	95.33	50.21	0.21	439245.29	663478.90	N 32 12 25.00	W 103 56 18.33
	6445.00	8.88	26.25	6435.57	-51.92	108.33	56.61	0.21	439258.30	663485.31	N 32 12 25.13	W 103 56 18.26
	6539.00	9.21	23.69	6528.40	-57.57	121.73	62.85	0.55	439271.69	663491.54	N 32 12 25.26	W 103 56 18.18
	6634.00	9.27	21.00	6622.17	-62.76	135.84	68.64	0.46	439285.80	663497.34	N 32 12 25.40	W 103 56 18.12
	6728.00	9.42	18.77	6714.92	-67.33	150.19	73.83	0.42	439300.15	663502.53	N 32 12 25.55	W 103 56 18.05
	6823.00	9.27	14.60	6808.66	-71.12	164.95	78.26	0.73	439314.91	663506.96	N 32 12 25.69	W 103 56 18.00
	6917.00	9.14	11.72	6901.45	-73.92	179.59	81.69	0.51	439329.55	663510.38	N 32 12 25.84	W 103 56 17.96
	7012.00	8.90	12.97	6995.28	-76.47	194.14	84.87	0.33	439344.09	663513.56	N 32 12 25.98	W 103 56 17.92
	7106.00	9.03	15.27	7088.13	-79.43	208.34	88.44	0.41	439358.30	663517.14	N 32 12 26.12	W 103 56 17.88
	7200.00	7.80	14.59	7181.12	-82.41	221.63	91.99	1.31	439371.58	663520.69	N 32 12 26.25	W 103 56 17.84
	7295.00	6.50	11.75	7275.38	-84.64	233.13	94.71	1.42	439383.09	663523.40	N 32 12 26.37	W 103 56 17.81
	7390.00	7.01	7.19	7369.72	-85.98	244.15	96.53	0.78	439394.10	663525.22	N 32 12 26.47	W 103 56 17.79
	7484.00	7.28	22.24	7463.00	-88.47	255.56	99.50	2.01	439405.31	663528.20	N 32 12 26.59	W 103 56 17.75
	7522.00	6.98	29.43	7500.70	-90.33	259.60	101.55	2.48	439409.55	663530.24	N 32 12 26.63	W 103 56 17.73
	7612.00	6.37	41.68	7590.10	-95.97	268.09	107.56	1.72	439418.04	663536.25	N 32 12 26.71	W 103 56 17.66
	7707.00	16.04	14.89	7683.23	-102.15	284.76	114.45	11.30	439434.70	663543.15	N 32 12 26.88	W 103 56 17.58
	7801.00	14.80	351.60	7773.93	-102.68	309.21	116.04	6.87	439459.15	663544.73	N 32 12 27.12	W 103 56 17.56
	7895.00	17.08	314.02	7864.55	-90.06	330.74	104.33	11.04	439480.68	663533.02	N 32 12 27.33	W 103 56 17.69
	7990.00	23.72	285.93	7953.75	-60.94	345.73	75.82	12.27	439495.87	663504.52	N 32 12 27.48	W 103 56 18.02
100' FEL Crossed	8032.00	27.31	279.46	7991.65	-43.15	349.83	58.19	10.81	439499.58	663486.88	N 32 12 27.52	W 103 56 18.23
	8085.00	32.16	273.30	8037.67	-16.96	352.45	32.09	10.81	439502.39	663460.79	N 32 12 27.55	W 103 56 18.53
	8180.00	44.74	271.59	8111.92	41.99	354.84	-26.81	13.29	439504.78	663401.89	N 32 12 27.57	W 103 56 19.22
	8274.00	54.77	272.60	8172.57	113.65	357.50	-98.42	10.70	439507.45	663330.29	N 32 12 27.60	W 103 56 20.05
	8368.00	68.89	273.74	8216.84	196.29	362.13	-180.94	15.06	439512.07	663247.77	N 32 12 27.65	W 103 56 21.01
	8463.00	79.66	271.62	8242.55	287.60	366.35	-272.15	11.54	439516.30	663156.30	N 32 12 27.70	W 103 56 22.07
	8558.00	89.83	270.03	8251.24	382.03	367.70	-366.61	10.83	439517.65	663062.11	N 32 12 27.71	W 103 56 23.17
	8659.00	91.10	270.26	8250.99	413.00	367.78	-397.61	4.16	439517.72	663031.12	N 32 12 27.72	W 103 56 23.53
	8626.00	90.94	270.93	8250.33	449.98	368.17	-434.60	1.86	439518.11	662994.13	N 32 12 27.72	W 103 56 23.96
	8689.00	92.18	269.05	8248.62	512.89	368.16	-497.58	3.57	439518.10	662931.16	N 32 12 27.72	W 103 56 24.70
	8783.00	91.46	270.58	8245.63	606.74	367.85	-591.52	1.80	439517.79	662837.22	N 32 12 27.72	W 103 56 25.79
	8878.00	91.29	270.49	8243.35	701.66	368.74	-686.49	0.20	439518.68	662742.26	N 32 12 27.74	W 103 56 26.89
	8973.00	90.22	270.04	8242.10	796.58	368.18	-781.48	1.22	439519.18	662647.28	N 32 12 27.74	W 103 56 28.00
	9068.00	90.94	270.60	8241.14	891.51	369.71	-876.47	0.96	439519.65	662552.29	N 32 12 27.75	W 103 56 29.11
	9162.00	90.87	270.48	8239.65	985.45	370.59	-970.46	0.15	439520.54	662458.31	N 32 12 27.76	W 103 56 30.20
	9257.00	91.08	270.26	8238.04	1080.37	371.21	-1065.44	0.32	439521.15	662363.34	N 32 12 27.77	W 103 56 31.30
	9351.00	91.01	270.49	8236.32	1174.29	371.82	-1159.43	0.26	439521.77	662269.36	N 32 12 27.78	W 103 56 32.40
	9446.00	90.98	270.07	8234.67	1269.21	372.29	-1254.41	0.44	439522.23	662174.38	N 32 12 27.79	W 103 56 33.50
	9541.00	91.73	270.83	8232.43	1364.12	373.03	-1349.38	1.12	439522.98	662079.42	N 32 12 27.80	W 103 56 34.61
	9635.00	91.15	270.51	8230.06	1458.05	374.13	-1443.34	0.70	439524.07	661985.47	N 32 12 27.82	W 103 56 35.70
	9730.00	90.70	270.41	8228.53	1552.98	374.89	-1538.33	0.49	439524.84	661890.49	N 32 12 27.83	W 103 56 36.81
	9825.00	88.87	269.88	8229.05	1647.89	375.14	-1633.32	2.21	439525.08	661795.50	N 32 12 27.84	W 103 56 37.91
	9920.00	90.81	270.72	8229.48	1742.82	375.63	-1728.31	2.42	439525.57	661700.52	N 32 12 27.85	W 103 56 39.02
	10014.00	90.70	270.18	8228.24	1836.75	376.37	-1822.30	0.59	439526.31	661606.54	N 32 12 27.85	W 103 56 40.11
	10108.00	91.42	271.22	8226.51	1930.69	377.52	-1916.27	1.35	439527.46	661512.57	N 32 12 27.87	W 103 56 41.21
	10202.00	90.50	270.18	8224.93	2024.63	378.67	-2010.25	1.48	439528.61	661418.60	N 32 12 27.88	W 103 56 42.30
	10297.00	91.35	270.62	8223.40	2119.56	379.33	-2105.24	1.01	439529.27	661323.62	N 32 12 27.89	W 103 56 43.41
	10392.00	89.19	270.54	8222.95	2214.50	380.29	-2200.22	2.28	439530.23	661228.64	N 32 12 27.90	W 103 56 44.51
	10486.00	89.77	270.98	8223.80	2308.45	381.54	-2294.21	0.77	439531.48	661134.66	N 32 12 27.92	W 103 56 45.60
	10581.00	92.70	270.66	8221.75	2403.38	382.90	-2389.17	3.10	439532.84	661039.71	N 32 12 27.94	W 103 56 46.71
	10676.00	94.52	271.60	8215.77	2498.16	384.77	-2483.96	2.16	439534.71	660944.93	N 32 12 27.96	W 103 56 47.81
	10771.00	91.25	270.44	8210.99	2593.00	386.45	-2578.81	3.65	439536.39	660850.09	N 32 12 27.98	W 103 56 48.92
	10865.00	91.42	268.67	8208.80	2686.85	388.72	-2672.78	1.89	439535.67	660756.13	N 32 12 27.98	W 103 56 50.01
	10959.00	90.60	268.27	8207.15	2780.61	383.21	-2766.73	0.97	439533.16	660662.18	N 32 12 27.95	W 103 56 51.10
	11054.00	91.35	268.77	8205.53	2875.37	380.76	-2861.68	0.95	439530.70	660567.24	N 32 12 27.93	W 103 56 52.21
	11149.00	91.73	268.86	8202.98	2970.14	378.80	-2956.62	0.41	439528.74	660472.30	N 32 12 27.92	W 103 56 53.31
	11244.00	91.05	268.47	8200.67	3064.90	376.58	-3051.57	0.83	439526.53	660377.36	N 32 12 27.90	W 103 56 54.42
	11338.00	91.15	268.30	8198.87	3158.65	373.94	-3145.52	0.21	439523.88	660283.42	N 32 12 27.88	W 103 56 55.51
	11432.00	91.46	268.28	8196.73	3252.38	371.13	-3239.45	0.33	439521.07	660189.50	N 32 12 27.85	W 103 56 56.61
	11527.00	91.70	268.10	8194.11	3347.08	368.13	-3334.37	0.32	439518.07	660094.59	N 32 12 27.82	W 103 56 57.71
	11622.00	90.77	268.34	8192.06	3441.79	365.18	-3429.30	1.01	439515.12	659999.66	N 32 12 27.80	W 103 56 58.82
	11716.00	91.15	268.41	8190.48	3535.54	362.52	-3523.25	0.41	439512.46	659905.72	N 32 12 27.78	W 103 56 59.91
	11811.00	91.15	268.39	8188.58	3630.29	359.86	-3618.19	0.02	439509.81	659810.78	N 32 12 27.75	W 103 57 1.01
	11905.00	91.11	268.58	8186.72	3724.04	357.38	-3712.14	0.21	439507.32	659716.84	N 32 12 27.73	W 103 57 2.11
	12000.00	91.56	268.21	8184.51	3818.78	354.72	-3807.07	0.61	439504.66	659621.91	N 32 12 27.71	W 103 57 3.21
	12094.00	91.18	268.01	8182.26	3912.48	351.62	-3901.00	0.46	439501.56	659528.00	N 32 12 27.68	W 103 57 4.31
	12189.00	91.15	268.97	8180.33	4007.23	349.12	-3995.94	1.01	439499.06	659433.06	N 32 12 27.66	W 103 57 5.41
	12284.00	91.32	270.42	8178.28	4102.10	346.61	-4090.92	1.54	439496.56	659338.09	N 32 12 27.66	W 103 57 6.52
	12378.00	91.22	270.51	8176.20	4196.02	343.38	-4184.89	0.14	439493.32	659244.13	N 32 12 27.67	W 103 57 7.61
	12473.00	91.49	270.28	8173.95	4290.93	350.03	-4279.86	0.37	439499.97	659149.16	N 32 12 27.68	W 103 57 8.72
	12567.00	87.88	269.33	8171.47	4384.81	349.71	-4373.84	3.97	439499.65	659055.19	N 32 12 27.68	W 103 57 9.81
	12662.00	93.56	271.56	8173.28	4479.70	350.45	-4468.79	6.42	439500.39	658960.25	N 32 12 27.69	W 103 57 10.92
	12756.00	95.28	270.94	8166.03	4573.40	352.49	-4562.48	1.94	439502.43	658866.56	N 32 12 27.71	W 103 57 12.01
	12851.00	90.36	269.70	8161.36	4668.18	353.02	-4657.33	5.34	439502.96	658771.72	N 32 12 27.72	W 103 57 13.11
	12946.00	90.74	270.38	8156.45	4763.09	353.09	-4752.33	0.82	439503.03	658676.73	N 32 12 27.73	W 103 57 14.21
	13040.00	91.11	270.21	8151.92	4857.01	353.57	-4846.32	0.43	439503.51	658582.75	N 32 12 27.73	W 103 57 15.31
	13135.00	91.32	270.45	8146.93	4951.93	354.12	-4941.29	0.34	439504.06	658487.78	N 32 12 27.74	W 103 57

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 ° ' ")
Proj to TD	15960.00	95.49	269.90	8081.54	7771.91	372.51	-7763.08	0.00	439522.45	655666.21	N 32 12 28.02	W 103 57 49.25

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 3 *** 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	1/98.425	30.000	30.000	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD
	1	26.500	26.500	Act Stns	30.000	30.000	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD
	1	26.500	456.500	Act Stns	30.000	30.000	GYD_GC+DROP+OH	Original Borehole / Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD
	1	456.500	7012.000	Act Stns	30.000	30.000	A010Mb_MWD+IFR1+SAG+MS	Original Borehole / Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD
	1	7012.000	7522.000	Act Stns	30.000	30.000	B001Mb_MWD+HRGM	Original Borehole / Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD
	1	7522.000	15960.000	Act Stns	30.000	30.000	A010Mb_MWD+IFR1+SAG+MS	Original Borehole / Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD

...Original Borehole\Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD

Schlumberger

OXY

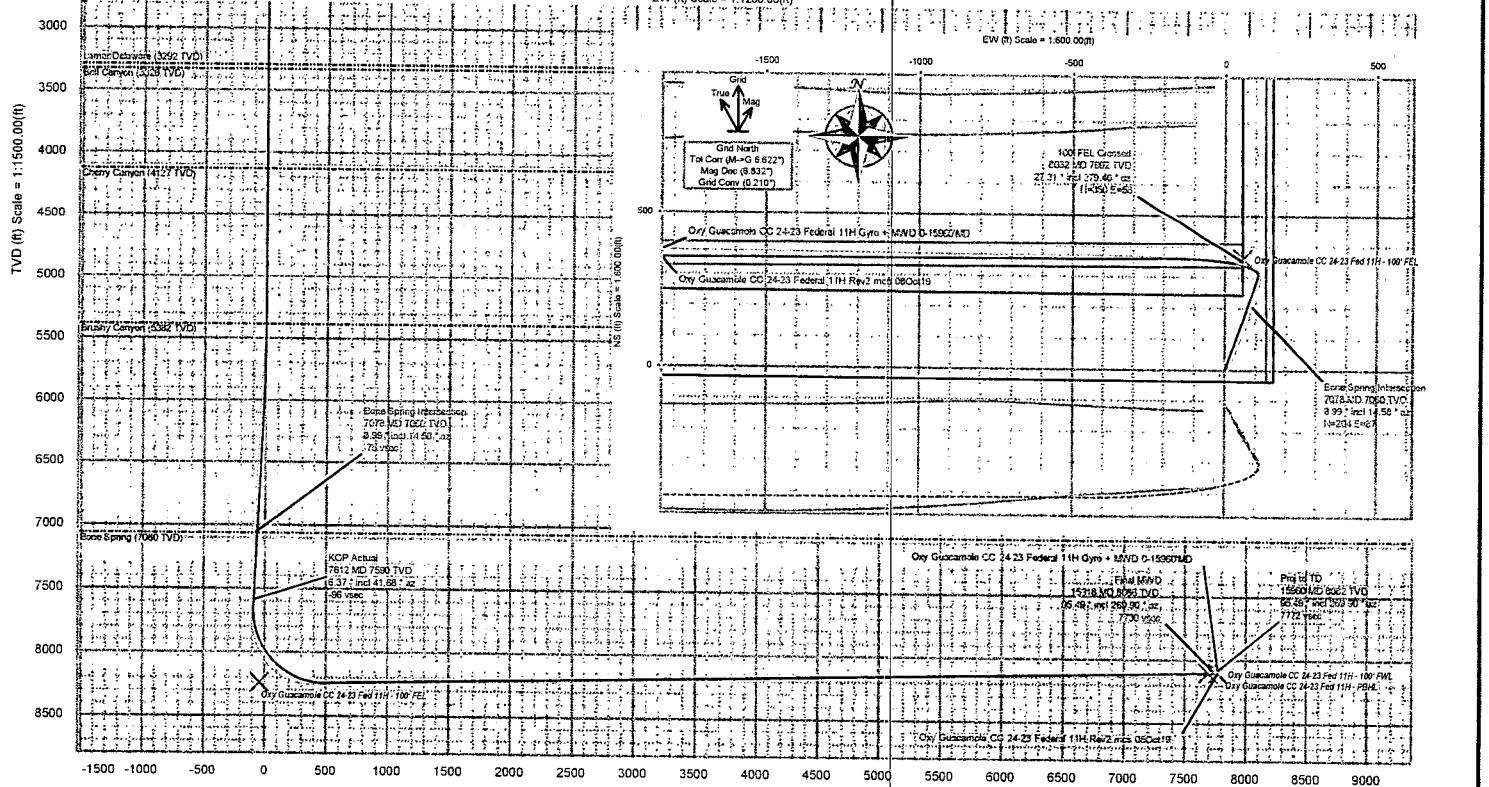
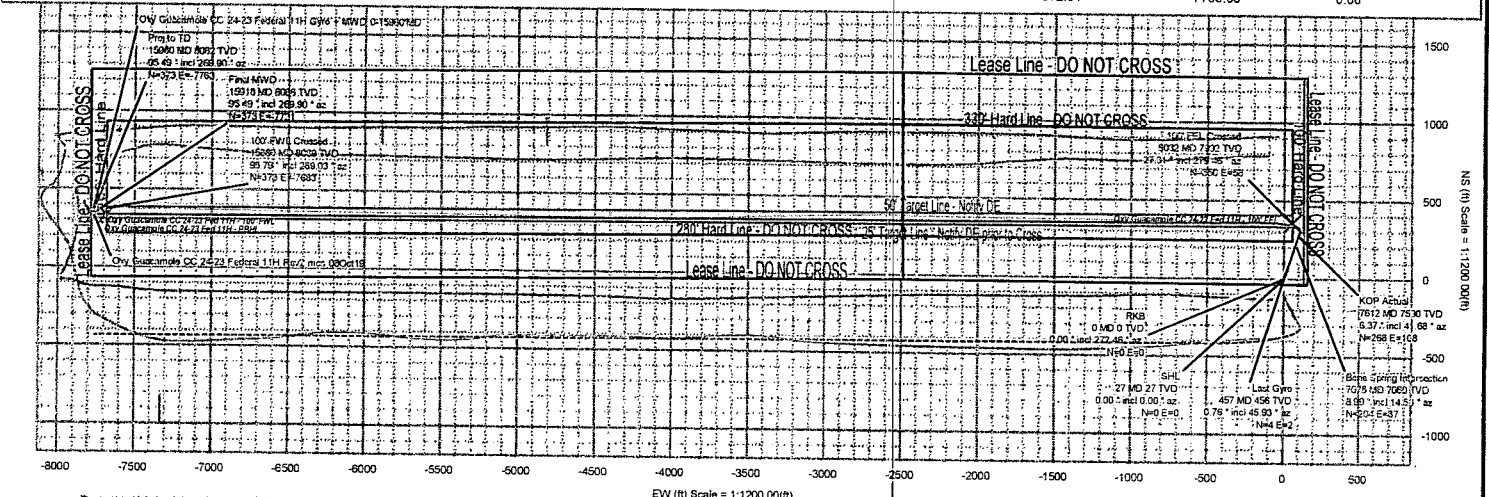


Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Guacamole CC 24-23 Federal 11H	NM Eddy County (NAD 83)	Oxy Guacamole CC 24-23 Federal 11H

Gravity & Magnetic Parameters	Surface Location	NAD83 New Mexico State Plane, Eastern Zone	US Feet	Miscellaneous
Model: IFR1	Lat: N 32 12 24.05	Northings: 439149.97 NUS	0.2104"	Slot: CC 24-23
MagDec: 6.832°	Lon: W 103 56 18.92	Easting: 663428.76 US	0.99992516	Plan: Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960 MD
Date: 30-Oct-2019	Gravity FS: 998.458 mgn (9.80665 Based)	Scale Fact:		TVD Ref: RKB=26.5' (3118.8 ft above MSL)

Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)S(-)	E(+)W(-)	DLS
RKB	0.00	0.00	272.46	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	456.50	0.76	45.93	456.46	-1.58	4.44	1.77	1.15
Bone Spring Intersection	7077.52	8.99	14.58	7060.00	-78.47	204.03	87.29	0.41
KOP Actual	7612.00	6.37	41.68	7590.10	-95.97	268.09	107.56	1.72
100' FEL Crossed	8032.00	27.31	279.46	7991.65	-43.15	349.63	58.19	10.81
100' FWL Crossed	15880.00	95.79	269.03	8089.29	-7692.38	372.94	-7683.46	2.41
Final MWD	15918.00	95.49	269.90	8085.56	-7730.14	372.58	-7721.27	2.41
Proj to TD	15960.00	95.49	269.90	8081.54	-7771.91	372.51	-7763.08	0.00



Vertical Section (ft) Azim = 272.46° Scale = 1:1500.00(ft) Origin = ON-S, OE-W