

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

Case Serial No.
1181586
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. GUACAMOLE CC 24-23 FEDERAL 11H
2. Name of Operator OXY USA INCORPORATED Contact: JANA MENDIOLA E-Mail: janalyn_mendiola@oxy.com	9. API Well No. 30-015-45870-00-X1
3a. Address 5 GREENWAY PLAZA SUITE 110 HOUSTON, TX 77046-0521	3b. Phone No. (include area code) Ph: 432-685-5936
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 24 T24S R29E NENW 1290FNL 2490FWL 32.206684 N Lat, 103.938591 W Lon	10. Field and Pool or Exploratory Area PIERCE CROSSING-BONE SPRING, E
	11. County or Parish, State EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Hydraulic Fracturing <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon <input type="checkbox"/> Change to Original APD
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

OXY USA Inc. respectfully requests to amend the approved APD due to the following changes:

1. Guacamole CC 24-23 Federal 11H BHL is moving 550' south of initial permitted location. ✓
2. Casing/Cementing Program

Please find attached the amended drill plan, C-102, directional survey & plot for your review.

RECEIVED

JUL 23 2019

DISTRICT OF ARTESIA O.C.D.

Engineer N. Mandela Kawa
[Signature]

[Signatures: JRS, JB]

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #466824 verified by the BLM Well Information System
For OXY USA INCORPORATED, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 05/28/2019 (19PP2245SE)

Name (Printed/Typed) JANA MENDIOLA	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 05/28/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>[Signature]</i>	Title <i>[Signature]</i>	Date 07/02/2019
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office <i>[Signature]</i>

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2) ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

RWP 10-21-19

OXY USA Inc. - Guacamole CC 24-23 Federal 11H – Amended Drill Plan

1. Geologic Formations

TVD of target	8238'	Pilot Hole Depth Deepest	N/A
MD at TD:	16528'	Expected fresh	390'

2. Casing Program

Hole Size (in)	Casing Interval		Csg. Size (in)	Weight (lbs)	Grade	Conn.	SF (Collapse)	SF Burs	Buoyant	Buoyant
	From (ft)	To (ft)							Body SF Tension	Joint SF Tension
14.75	0	595	10.75	40.5	J-55	BTC	1.125	1.2	1.4	1.4
9.875	0	7874	7.625	26.4	L-80 HC	BTC	1.125	1.2	1.4	1.4
6.75	0	8424	5.5	20	P-110	DQX	1.125	1.2	1.4	1.4
6.75	8424	16528	4.5	13.5	P-110	DQX	1.125	1.2	1.4	1.4
SF Values will meet or Exceed										

*Oxy requests the option to run production casing with DQX, SF TORQ, and/or DQW TORQ connections to accommodate hole conditions or drilling operations.

3. Cementing Program

Casing String	# SKs	Wt. (lb/gal)	Yld. (ft3/sack)	H2O (gal/sk)	500# Comp. Strength (hours)	Slurry Description
Surface (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Surface (Tail)	484	14.8	1.33	6.365	5:26	Class C Cement, Accelerator
Intermediate 1st Stage (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Intermediate 1st Stage (Tail)	299	13.2	1.65	8.640	11:54	Class H Cement, Retarder, Dispersant, Salt
Intermediate 2nd Stage (Tail Slurry) to be pumped as Bradenhead Squeeze from surface, down the Intermediate annulus						
Intermediate 2nd Stage (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Intermediate 2nd Stage (Tail)	749	10.2	1.92	10.41	23:10	Class C Cement, Accelerator
Production (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Production (Tail)	1055	13.2	1.38	6.686	3:39	Class H Cement, Retarder, Dispersant, Salt

Casing String	Top (ft)	Bottom (ft)	% Excess
Surface (Lead)	N/A	N/A	N/A
Surface (Tail)	0	595	100%
Intermediate 1st Stage (Lead)	N/A	N/A	N/A
Intermediate 1st Stage (Tail)	5632	7874	0%
Intermediate 2nd Stage (Lead)	N/A	N/A	N/A
Intermediate 2nd Stage (Tail)	0	5632	20%
Production (Lead)	N/A	N/A	N/A
Production (Tail)	7374	16528	20%

OXY USA Inc. - Guacamole CC 24-23 Federal 11H – Amended Drill Plan

4. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From (ft)	To (ft)				
0	595	Water-Based Mud	8.6-8.8	40-60	N/C
595	7874	Saturated Brine-Based or Oil-Based Mud	8.0-10.0	35-45	N/C
7874	16528	Water-Based or Oil-Based Mud	8.0-9.6	38-50	N/C

Total estimated cuttings volume: 1198.3 bbls.

5. Company Personnel

<u>Name</u>	<u>Title</u>	<u>Office Phone</u>	<u>Mobile Phone</u>
Kaitlyn Daniels	Drilling Engineer	713-497-2104	512-424-9870
Diego Tellez	Drilling Engineer S	713-350-4602	713-303-4932
Simon Benavides	Drilling Superinten	713-522-8652	281-684-6897
John Willis	Drilling Manager	713-366-5556	713-259-1417

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Guacamole CC 24_23 Federal 11H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 3118.80ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 3118.80ft
Site:	GUACAMOLE CC 24-23 FED	North Reference:	Grid
Well:	Guacamole CC 24_23 Federal 11H	Survey Calculation/Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site:	GUACAMOLE CC 24-23 FED		
Site Position:	Northing:	439,149.97 usft	Latitude: 32° 12' 24.062514 N
From: Map	Easting:	663,428.63 usft	Longitude: 103° 56' 18.920769 W
Position Uncertainty:	2.00 ft	Slot Radius: 13.200 in	Grid Convergence: 0.21 °

Well:	Guacamole CC 24_23 Federal 11H		
Well Position	+N/-S	0.00 ft	Northing: 439,149.97 usft
	+E/-W	0.07 ft	Easting: 663,428.70 usft
Position Uncertainty	2.00 ft	Wellhead Elevation: 0.00 ft	Ground Level: 3,092.30 ft

Wellbore:	Wellbore #1				
Magnetics:	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	HDGM	5/6/2019	(°) 6.90	(°) 59.92	(nT) 47,908

Design:	Permitting Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.00	
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	272.46

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate ("/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,550.00	0.00	0.00	3,550.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,450.02	18.00	67.96	4,435.29	52.61	129.98	2.00	2.00	0.00	67.96	
6,208.59	18.00	67.96	6,107.79	256.50	633.72	0.00	0.00	0.00	0.00	
7,974.92	18.00	269.81	7,842.99	361.31	613.13	2.00	0.00	-8.95	-168.53	
8,705.18	91.03	269.81	8,238.80	359.44	57.96	10.00	10.00	0.00	0.00	FTP (Guacamole)
16,528.78	91.03	269.81	8,098.80	333.00	-7,764.34	0.00	0.00	0.00	0.00	PBHL (Guacamole)

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Guacamole CC 24_23 Federal 11H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 3118.80ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 3118.80ft
Site:	GUACAMOLE CC 24-23 FED	North Reference:	Grid
Well:	Guacamole CC 24_23 Federal 11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/S (ft)	+E/W (ft)	Vertical Section (ft)	Dogleg Rate (%/100ft)	Build Rate (%/100ft)	Turn Rate (%/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,550.00	0.00	0.00	3,550.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	1.00	67.96	3,600.00	0.16	0.40	-0.40	2.00	2.00	0.00
3,700.00	3.00	67.96	3,699.93	1.47	3.64	-3.57	2.00	2.00	0.00
3,800.00	5.00	67.96	3,799.68	4.09	10.11	-9.92	2.00	2.00	0.00
3,900.00	7.00	67.96	3,899.13	8.01	19.79	-19.43	2.00	2.00	0.00
4,000.00	9.00	67.96	3,998.15	13.23	32.69	-32.10	2.00	2.00	0.00
4,100.00	11.00	67.96	4,096.63	19.75	48.79	-47.90	2.00	2.00	0.00
4,200.00	13.00	67.96	4,194.44	27.55	68.06	-66.82	2.00	2.00	0.00
4,300.00	15.00	67.96	4,291.46	36.62	90.48	-88.83	2.00	2.00	0.00
4,400.00	17.00	67.96	4,387.58	46.97	116.03	-113.91	2.00	2.00	0.00
4,450.02	18.00	67.96	4,435.29	52.61	129.98	-127.60	2.00	2.00	0.00
4,500.00	18.00	67.96	4,482.82	58.40	144.29	-141.66	0.00	0.00	0.00
4,600.00	18.00	67.96	4,577.93	70.00	172.94	-169.78	0.00	0.00	0.00
4,700.00	18.00	67.96	4,673.03	81.59	201.58	-197.90	0.00	0.00	0.00
4,800.00	18.00	67.96	4,768.14	93.19	230.23	-226.02	0.00	0.00	0.00
4,900.00	18.00	67.96	4,863.24	104.78	258.87	-254.14	0.00	0.00	0.00
5,000.00	18.00	67.96	4,958.35	116.37	287.52	-282.27	0.00	0.00	0.00
5,100.00	18.00	67.96	5,053.45	127.97	316.16	-310.39	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Guacamole CC 24_23 Federal 11H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 3118.80ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 3118.80ft
Site:	GUACAMOLE CC 24-23 FED	North Reference:	Grid
Well:	Guacamole CC 24_23 Federal 11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.00	18.00	67.96	5,148.56	139.56	344.81	-338.51	0.00	0.00	0.00
5,300.00	18.00	67.96	5,243.67	151.16	373.45	-366.63	0.00	0.00	0.00
5,400.00	18.00	67.96	5,338.77	162.75	402.10	-394.75	0.00	0.00	0.00
5,500.00	18.00	67.96	5,433.88	174.34	430.74	-422.87	0.00	0.00	0.00
5,600.00	18.00	67.96	5,528.98	185.94	459.39	-451.00	0.00	0.00	0.00
5,700.00	18.00	67.96	5,624.09	197.53	488.03	-479.12	0.00	0.00	0.00
5,800.00	18.00	67.96	5,719.19	209.13	516.68	-507.24	0.00	0.00	0.00
5,900.00	18.00	67.96	5,814.30	220.72	545.32	-535.36	0.00	0.00	0.00
6,000.00	18.00	67.96	5,909.40	232.31	573.97	-563.48	0.00	0.00	0.00
6,100.00	18.00	67.96	6,004.51	243.91	602.61	-591.61	0.00	0.00	0.00
6,200.00	18.00	67.96	6,099.61	255.50	631.25	-619.73	0.00	0.00	0.00
6,208.59	18.00	67.96	6,107.79	256.50	633.72	-622.14	0.00	0.00	0.00
6,300.00	16.21	66.66	6,195.15	266.85	658.53	-646.49	2.00	-1.96	-1.42
6,400.00	14.27	64.88	6,291.63	277.62	682.50	-669.98	2.00	-1.94	-1.79
6,500.00	12.34	62.54	6,388.94	287.78	703.15	-690.17	2.00	-1.93	-2.33
6,600.00	10.44	59.37	6,486.96	297.32	720.43	-707.03	2.00	-1.90	-3.17
6,700.00	8.59	54.82	6,585.59	306.24	734.33	-720.53	2.00	-1.86	-4.55
6,800.00	6.81	47.87	6,684.68	314.52	744.83	-730.67	2.00	-1.77	-6.95
6,900.00	5.21	36.38	6,784.13	322.15	751.92	-737.43	2.00	-1.61	-11.49
7,000.00	3.97	16.43	6,883.82	329.13	755.59	-740.80	2.00	-1.23	-19.95
7,100.00	3.53	346.21	6,983.61	335.44	755.84	-740.77	2.00	-0.45	-30.22
7,200.00	4.13	317.29	7,083.40	341.07	752.66	-737.35	2.00	0.61	-28.92
7,300.00	5.45	299.04	7,183.05	346.03	746.06	-730.55	2.00	1.32	-18.24
7,400.00	7.10	288.52	7,282.45	350.30	736.05	-720.36	2.00	1.64	-10.52
7,500.00	8.89	282.07	7,381.48	353.87	722.64	-706.81	2.00	1.79	-6.45
7,600.00	10.75	277.80	7,480.01	356.76	705.84	-689.90	2.00	1.86	-4.27
7,700.00	12.66	274.79	7,577.93	358.94	685.68	-669.67	2.00	1.91	-3.01
7,800.00	14.59	272.57	7,675.11	360.42	662.18	-646.13	2.00	1.93	-2.23
7,900.00	16.53	270.85	7,771.44	361.19	635.37	-619.31	2.00	1.95	-1.71
7,974.92	18.00	269.81	7,842.99	361.31	613.13	-597.08	2.00	1.96	-1.40
8,000.00	20.51	269.81	7,866.66	361.29	604.86	-588.83	10.00	10.00	0.00
8,100.00	30.51	269.81	7,956.80	361.14	561.85	-545.86	10.00	10.00	0.00
8,200.00	40.51	269.81	8,038.10	360.94	503.85	-487.92	10.00	10.00	0.00
8,300.00	50.51	269.81	8,108.09	360.70	432.60	-416.75	10.00	10.00	0.00
8,400.00	60.51	269.81	8,164.65	360.43	350.29	-334.52	10.00	10.00	0.00
8,500.00	70.51	269.81	8,206.05	360.12	259.40	-243.73	10.00	10.00	0.00
8,600.00	80.51	269.81	8,231.05	359.79	162.71	-147.14	10.00	10.00	0.00
8,700.00	90.51	269.81	8,238.87	359.45	63.14	-47.68	10.00	10.00	0.00
8,705.18	91.03	269.81	8,238.80	359.44	57.96	-42.51	10.00	10.00	0.00
8,800.00	91.03	269.81	8,237.10	359.12	-36.84	52.20	0.00	0.00	0.00
8,900.00	91.03	269.81	8,235.31	358.78	-136.83	152.07	0.00	0.00	0.00
9,000.00	91.03	269.81	8,233.52	358.44	-236.81	251.95	0.00	0.00	0.00
9,100.00	91.03	269.81	8,231.74	358.10	-336.79	351.83	0.00	0.00	0.00
9,200.00	91.03	269.81	8,229.95	357.76	-436.78	451.70	0.00	0.00	0.00
9,300.00	91.03	269.81	8,228.16	357.43	-536.76	551.58	0.00	0.00	0.00
9,400.00	91.03	269.81	8,226.37	357.09	-636.74	651.46	0.00	0.00	0.00
9,500.00	91.03	269.81	8,224.58	356.75	-736.73	751.34	0.00	0.00	0.00
9,600.00	91.03	269.81	8,222.79	356.41	-836.71	851.21	0.00	0.00	0.00
9,700.00	91.03	269.81	8,221.00	356.07	-936.69	951.09	0.00	0.00	0.00
9,800.00	91.03	269.81	8,219.21	355.74	-1,036.68	1,050.97	0.00	0.00	0.00
9,900.00	91.03	269.81	8,217.42	355.40	-1,136.66	1,150.84	0.00	0.00	0.00
10,000.00	91.03	269.81	8,215.63	355.06	-1,236.64	1,250.72	0.00	0.00	0.00
10,100.00	91.03	269.81	8,213.84	354.72	-1,336.63	1,350.60	0.00	0.00	0.00
10,200.00	91.03	269.81	8,212.05	354.39	-1,436.61	1,450.48	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Guacamole CC 24_23 Federal 11H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 3118.80ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 3118.80ft
Site:	GUACAMOLE CC 24-23 FED	North Reference:	Grid
Well:	Guacamole CC 24_23 Federal 11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
10,300.00	91.03	269.81	8,210.26	354.05	-1,536.59	1,550.35	0.00	0.00	0.00	
10,400.00	91.03	269.81	8,208.47	353.71	-1,636.58	1,650.23	0.00	0.00	0.00	
10,500.00	91.03	269.81	8,206.68	353.37	-1,736.56	1,750.11	0.00	0.00	0.00	
10,600.00	91.03	269.81	8,204.89	353.03	-1,836.54	1,849.98	0.00	0.00	0.00	
10,700.00	91.03	269.81	8,203.10	352.70	-1,936.53	1,949.86	0.00	0.00	0.00	
10,800.00	91.03	269.81	8,201.31	352.36	-2,036.51	2,049.74	0.00	0.00	0.00	
10,900.00	91.03	269.81	8,199.52	352.02	-2,136.49	2,149.62	0.00	0.00	0.00	
11,000.00	91.03	269.81	8,197.74	351.68	-2,236.48	2,249.49	0.00	0.00	0.00	
11,100.00	91.03	269.81	8,195.95	351.34	-2,336.46	2,349.37	0.00	0.00	0.00	
11,200.00	91.03	269.81	8,194.16	351.01	-2,436.44	2,449.25	0.00	0.00	0.00	
11,300.00	91.03	269.81	8,192.37	350.67	-2,536.43	2,549.12	0.00	0.00	0.00	
11,400.00	91.03	269.81	8,190.58	350.33	-2,636.41	2,649.00	0.00	0.00	0.00	
11,500.00	91.03	269.81	8,188.79	349.99	-2,736.39	2,748.88	0.00	0.00	0.00	
11,600.00	91.03	269.81	8,187.00	349.65	-2,836.38	2,848.75	0.00	0.00	0.00	
11,700.00	91.03	269.81	8,185.21	349.32	-2,936.36	2,948.63	0.00	0.00	0.00	
11,800.00	91.03	269.81	8,183.42	348.98	-3,036.34	3,048.51	0.00	0.00	0.00	
11,900.00	91.03	269.81	8,181.63	348.64	-3,136.33	3,148.39	0.00	0.00	0.00	
12,000.00	91.03	269.81	8,179.84	348.30	-3,236.31	3,248.26	0.00	0.00	0.00	
12,100.00	91.03	269.81	8,178.05	347.96	-3,336.29	3,348.14	0.00	0.00	0.00	
12,200.00	91.03	269.81	8,176.26	347.63	-3,436.28	3,448.02	0.00	0.00	0.00	
12,300.00	91.03	269.81	8,174.47	347.29	-3,536.26	3,547.89	0.00	0.00	0.00	
12,400.00	91.03	269.81	8,172.68	346.95	-3,636.25	3,647.77	0.00	0.00	0.00	
12,500.00	91.03	269.81	8,170.89	346.61	-3,736.23	3,747.65	0.00	0.00	0.00	
12,600.00	91.03	269.81	8,169.10	346.27	-3,836.21	3,847.53	0.00	0.00	0.00	
12,700.00	91.03	269.81	8,167.31	345.94	-3,936.20	3,947.40	0.00	0.00	0.00	
12,800.00	91.03	269.81	8,165.53	345.60	-4,036.18	4,047.28	0.00	0.00	0.00	
12,900.00	91.03	269.81	8,163.74	345.26	-4,136.16	4,147.16	0.00	0.00	0.00	
13,000.00	91.03	269.81	8,161.95	344.92	-4,236.15	4,247.03	0.00	0.00	0.00	
13,100.00	91.03	269.81	8,160.16	344.58	-4,336.13	4,346.91	0.00	0.00	0.00	
13,200.00	91.03	269.81	8,158.37	344.25	-4,436.11	4,446.79	0.00	0.00	0.00	
13,300.00	91.03	269.81	8,156.58	343.91	-4,536.10	4,546.67	0.00	0.00	0.00	
13,400.00	91.03	269.81	8,154.79	343.57	-4,636.08	4,646.54	0.00	0.00	0.00	
13,500.00	91.03	269.81	8,153.00	343.23	-4,736.06	4,746.42	0.00	0.00	0.00	
13,600.00	91.03	269.81	8,151.21	342.89	-4,836.05	4,846.30	0.00	0.00	0.00	
13,700.00	91.03	269.81	8,149.42	342.56	-4,936.03	4,946.17	0.00	0.00	0.00	
13,800.00	91.03	269.81	8,147.63	342.22	-5,036.01	5,046.05	0.00	0.00	0.00	
13,900.00	91.03	269.81	8,145.84	341.88	-5,136.00	5,145.93	0.00	0.00	0.00	
14,000.00	91.03	269.81	8,144.05	341.54	-5,235.98	5,245.81	0.00	0.00	0.00	
14,100.00	91.03	269.81	8,142.26	341.20	-5,335.96	5,345.68	0.00	0.00	0.00	
14,200.00	91.03	269.81	8,140.47	340.87	-5,435.95	5,445.56	0.00	0.00	0.00	
14,300.00	91.03	269.81	8,138.68	340.53	-5,535.93	5,545.44	0.00	0.00	0.00	
14,400.00	91.03	269.81	8,136.89	340.19	-5,635.91	5,645.31	0.00	0.00	0.00	
14,500.00	91.03	269.81	8,135.10	339.85	-5,735.90	5,745.19	0.00	0.00	0.00	
14,600.00	91.03	269.81	8,133.31	339.51	-5,835.88	5,845.07	0.00	0.00	0.00	
14,700.00	91.03	269.81	8,131.53	339.18	-5,935.86	5,944.95	0.00	0.00	0.00	
14,800.00	91.03	269.81	8,129.74	338.84	-6,035.85	6,044.82	0.00	0.00	0.00	
14,900.00	91.03	269.81	8,127.95	338.50	-6,135.83	6,144.70	0.00	0.00	0.00	
15,000.00	91.03	269.81	8,126.16	338.16	-6,235.81	6,244.58	0.00	0.00	0.00	
15,100.00	91.03	269.81	8,124.37	337.82	-6,335.80	6,344.45	0.00	0.00	0.00	
15,200.00	91.03	269.81	8,122.58	337.49	-6,435.78	6,444.33	0.00	0.00	0.00	
15,300.00	91.03	269.81	8,120.79	337.15	-6,535.76	6,544.21	0.00	0.00	0.00	
15,400.00	91.03	269.81	8,119.00	336.81	-6,635.75	6,644.09	0.00	0.00	0.00	
15,500.00	91.03	269.81	8,117.21	336.47	-6,735.73	6,743.96	0.00	0.00	0.00	
15,600.00	91.03	269.81	8,115.42	336.13	-6,835.71	6,843.84	0.00	0.00	0.00	

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Guacamole CC 24_23 Federal 11H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 3118.80ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 3118.80ft
Site:	GUACAMOLE CC 24-23 FED	North Reference:	Grid
Well:	Guacamole CC 24_23 Federal 11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
15,700.00	91.03	269.81	8,113.63	335.80	-6,935.70	6,943.72	0.00	0.00	0.00	
15,800.00	91.03	269.81	8,111.84	335.46	-7,035.68	7,043.59	0.00	0.00	0.00	
15,900.00	91.03	269.81	8,110.05	335.12	-7,135.66	7,143.47	0.00	0.00	0.00	
16,000.00	91.03	269.81	8,108.26	334.78	-7,235.65	7,243.35	0.00	0.00	0.00	
16,100.00	91.03	269.81	8,106.47	334.44	-7,335.63	7,343.22	0.00	0.00	0.00	
16,200.00	91.03	269.81	8,104.68	334.11	-7,435.62	7,443.10	0.00	0.00	0.00	
16,300.00	91.03	269.81	8,102.89	333.77	-7,535.60	7,542.98	0.00	0.00	0.00	
16,400.00	91.03	269.81	8,101.10	333.43	-7,635.58	7,642.86	0.00	0.00	0.00	
16,500.00	91.03	269.81	8,099.32	333.09	-7,735.57	7,742.73	0.00	0.00	0.00	
16,528.78	91.03	269.81	8,098.80	333.00	-7,764.34	7,771.48	0.00	0.00	0.00	

Design Targets										
Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (Guacamole CC - plan hits target center - Point)		0.00	0.00	8,098.80	333.00	-7,764.34	439,482.94	655,664.95	32° 12' 27.630693 N	103° 57' 49.271097
FTP (Guacamole CC - plan hits target center - Point)		0.00	0.00	8,238.80	359.44	57.96	439,509.38	663,486.66	32° 12' 27.617074 N	103° 56' 18.229974

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
3,550.00	3,550.00	0.00	0.00	Build 2.00°/100'	
4,450.02	4,435.29	52.61	129.98	Hold 18.00° Tangent	
6,208.59	6,107.78	256.50	633.72	Turn 2.00°/100'	
7,974.92	7,842.98	361.31	613.13	KOP, Build 10.00°/100'	
8,705.18	8,238.80	359.44	57.96	Landing Point	
16,528.78	8,098.80	333.00	-7,764.34	TD at 16528.78' MD	

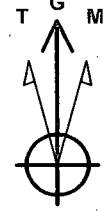


Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
 Site: GUACAMOLE CC 24-23 FED
 Well: Guacamole CC 24_23 Federal 11H
 Wellbore: Wellbore #1
 Design: Permitting Plan

PROJECT DETAILS: NM DIRECTIONAL PLANS (NAD 1983)

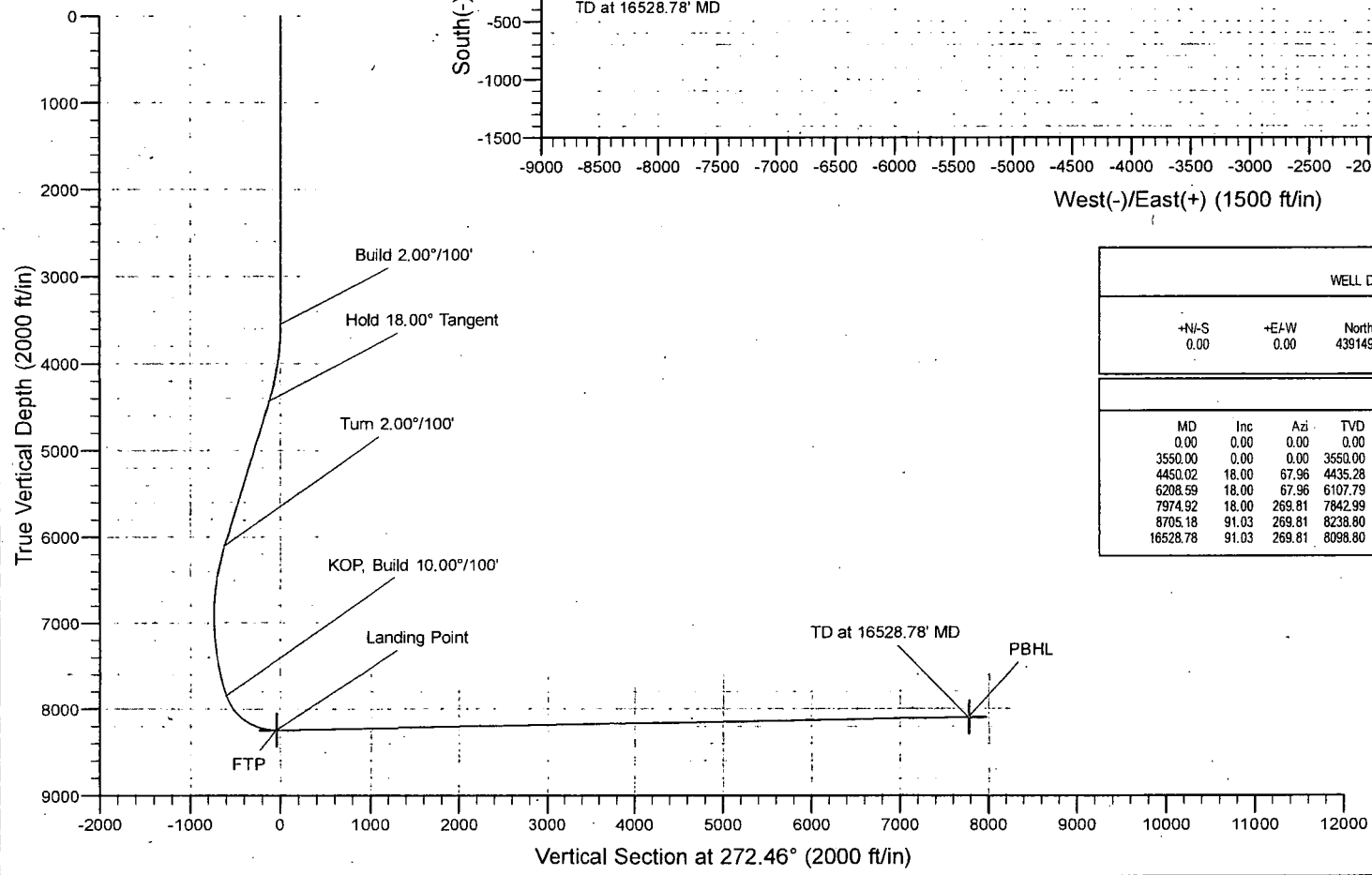
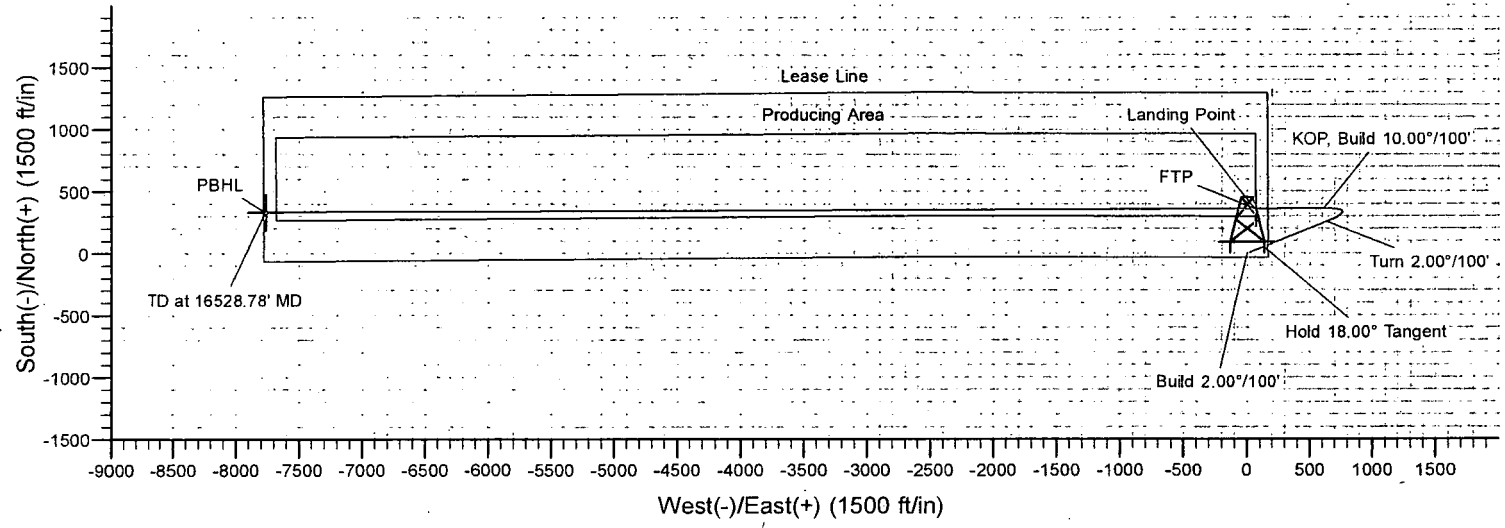
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

Azimuths to Grid North

T G M


True North: -0.21°
 Magnetic North: 6.69°

Magnetic Field
 Strength: 47908.3snT
 Dip Angle: 59.92°
 Date: 5/6/2019
 Model: HDGM



WELL DETAILS: Guacamole CC 24_23 Federal 11H									
+N/-S	+E/-W	Northing	Ground Level: Easting	3092.30	Latitude	Longitude			
0.00	0.00	439149.97	663428.70	32° 12' 24.062511 N	103° 56' 18.919955 W				
SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3550.00	0.00	0.00	3550.00	0.00	0.00	0.00	0.00	0.00	Build 2.00°/100'
4450.02	18.00	67.96	4435.28	52.61	129.98	2.00	67.96	-127.60	Hold 18.00° Tangent
6208.59	18.00	67.96	6107.79	256.50	633.72	0.00	0.00	-622.14	Turn 2.00°/100'
7974.92	18.00	269.81	7842.99	361.31	613.13	2.00	-168.53	-597.08	KOP, Build 10.00°/100'
8705.18	91.03	269.81	8238.80	359.44	57.96	10.00	0.00	-42.51	Landing Point
16528.78	91.03	269.81	8098.80	333.00	-7764.34	0.00	0.00	7771.48	TD at 16528.78' MD