

C-104 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
--	---	----------------------

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**Section 1 - Operator and Well Information**

Submittal Type: ☐ Test Allowable (C-104RT) ☒ New Well (C-104NW) ☐ Recomplete (C-104RC) ☐ Pay Add (C-104RC) ☐ Amended	
Operator Name: OXY USA INC	OGRID: 16696
Property Name and Well Number: LLAMA MALL 26-35 FEDERAL COM 33H	Property Code: 332823
Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal	API Number: 30-0 25-50311
Pool Name: WC-025 G-08 S223227D; Upper Wolfcamp	Pool Code: 98286

Section 2 – Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	26	22S	32E		700 FNL	1160 FWL	32.36806625	-103.65024192	LEA

Section 3 – Completion Information

Producing Method	Ready Date	Perforations MD	Perforations TVD
Gas lift	01/28/24	12329-22127' MD	12051-12251' TVD

Section 4 – Action IDs for Submissions and Order Numbers

List Action IDs for Drilling Sundries	Was an Order required / needed (Y/N), if yes list Order number:
C-104 RT Action ID (if C-104NW):	Communitization Agreement ☒ Yes ☐ No, Order No. pending w/ BLM
Surface Casing Action ID: 248185	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 400176	Compulsory Pooling: ☒ Yes ☐ No, Order No. R-22594
Intermediate 2 Casing Action ID: 400176	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 375636	Surface Commingling: ☒ Yes ☐ No, Order No. PLC-767
All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No	Non-standard Location: ☐ Yes ☒ No ☐ Common ownership Order No.
Liner 1 Action ID:	Non-standard Proration: ☐ Yes ☒ No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N): N	Simultaneous Dedication: ☐ Yes ☒ No, Order No.

Section 5 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	
Name Jana Mendiola	<i>Jana Mendiola</i>
Title Regulatory Advisor	Date 04/30/25

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals, & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 PAGE 1 OF 2
		Submittal Type: ☐ Initial Submittal ☐ Amended Report ☒ As Drilled

WELL LOCATION INFORMATION

API Number 30-025-50311	Pool Code 98286	Pool Name WC-025 G-08 S223227D; UPPER WOLFCAMP
Property Code 332823	Property Name LLAMA MALL 26_35 FED COM	Well Number 33H
OGRID No. 16696	Operator Name OXY USA INC.	Ground Level Elevation 3691'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL D	Section 26	Township 22S	Range 32E	Lot	Ft. from N/S 700' FNL	Ft. from E/W 1160' FWL	Latitude (NAD83) 32.36806625	Longitude (NAD83) -103.65024192	County LEA
---------	---------------	-----------------	--------------	-----	--------------------------	---------------------------	---------------------------------	------------------------------------	---------------

Bottom Hole Location

UL N	Section 35	Township 22S	Range 32E	Lot	Ft. from N/S 59' FSL	Ft. from E/W 1881' FWL	Latitude (NAD83) 32.34112190	Longitude (NAD83) -103.64789296	County LEA
---------	---------------	-----------------	--------------	-----	-------------------------	---------------------------	---------------------------------	------------------------------------	---------------

Dedicated Acres 640.00	Infill or Defining Well Infill	Defining Well API 30-025-50310	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers:			Well setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL C	Section 26	Township 22S	Range 32E	Lot	Ft. from N/S 88' FNL	Ft. from E/W 1673' FWL	Latitude (NAD83) 32.36976654	Longitude (NAD83) -103.64858213	County LEA
---------	---------------	-----------------	--------------	-----	-------------------------	---------------------------	---------------------------------	------------------------------------	---------------

First Take Point (FTP)

UL C	Section 26	Township 22S	Range 32E	Lot	Ft. from N/S 588' FNL	Ft. from E/W 1815' FWL	Latitude (NAD83) 32.36838166	Longitude (NAD83) -103.64812139	County LEA
---------	---------------	-----------------	--------------	-----	--------------------------	---------------------------	---------------------------------	------------------------------------	---------------

Last Take Point (LTP)

UL N	Section 35	Township 22S	Range 32E	Lot	Ft. from N/S 196' FSL	Ft. from E/W 1868' FWL	Latitude (NAD83) 32.34149956	Longitude (NAD83) -103.64793431	County LEA
---------	---------------	-----------------	--------------	-----	--------------------------	---------------------------	---------------------------------	------------------------------------	---------------

Unitized Area or Area of Uniform Interest	Spacing Unit Type: ☒ Horizontal ☐ Vertical	Ground Floor Elevation 3691'
---	---	---------------------------------

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Jana Mendiola 04/30/2025
Signature Date

Jana Mendiola
Printed Name

janalyn_mendiola@oxy.com
Email Address

SURVEYOR CERTIFICATIONS

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. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by Delta Field Services



Signature and Seal of Professional Surveyor

Certificate Number

21653

Date of Survey

APRIL 24, 2025

Note: 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.

ACREAGE DEDICATION PLATS

LLAMA MALL 26_35 FED COM 33H

PAGE 2 OF 2

SHL (NAD83)
X:752239.58' / Y:498307.25'
LAT:32.36806625 / LON:-103.65024192

SHL (NAD27)
X:711056.91' / Y:498246.91'
LAT:32.36794299 / LON:-103.64975608

KOP (NAD83)
X:752748.08' / Y:498929.09'
LAT:32.36976654 / LON:-103.64858213

KOP (NAD27)
X:711565.43' / Y:498868.79'
LAT:32.36964343 / LON:-103.64809628

FTP/PPP-1 (NAD83)
X:752893.56' / Y:498426.18'
LAT:32.36838166 / LON:-103.64812139

FTP/PPP-1 (NAD27)
X:711710.89' / Y:498365.89'
LAT:32.36825855 / LON:-103.64763560

PPP-2 (NAD83)
X:752937.73' / Y:493732.02'
LAT:32.35547827 / LON:-103.64807566

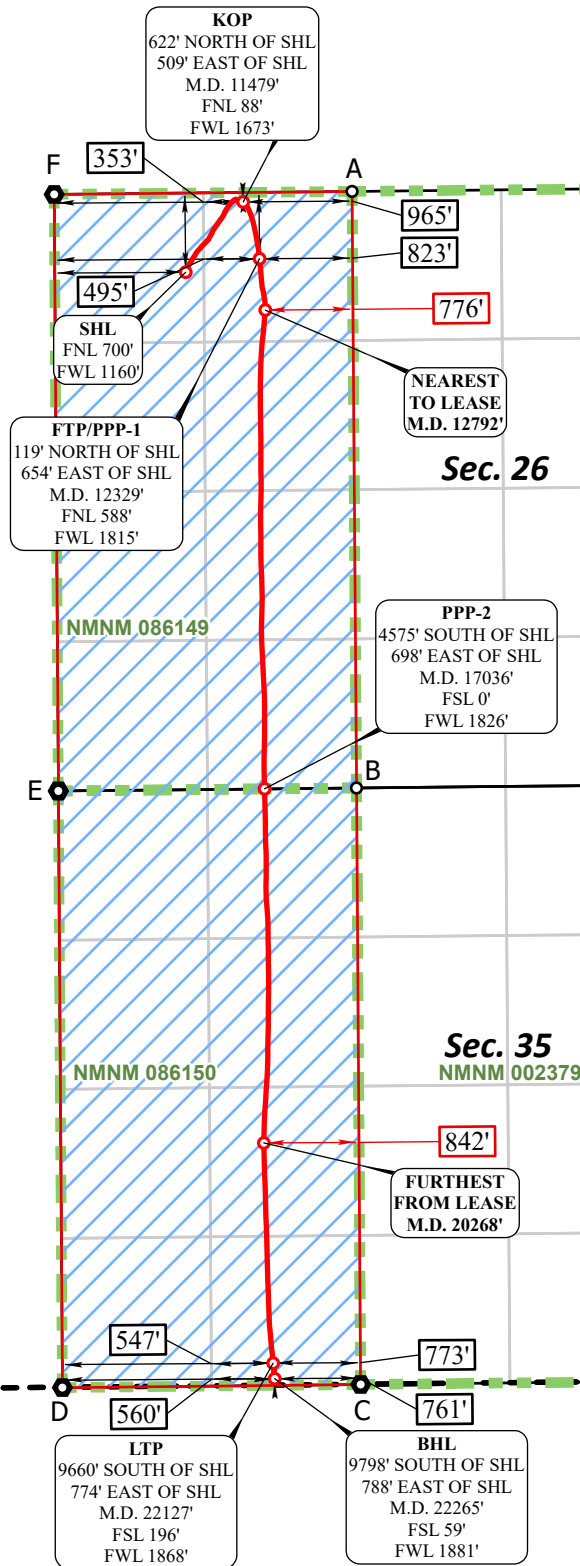
PPP-2 (NAD27)
X:711754.94' / Y:493671.86'
LAT:32.35535511 / LON:-103.64759034

LTP (NAD83)
X:753013.93' / Y:488646.85'
LAT:32.34149956 / LON:-103.64793431

LTP (NAD27)
X:711831.01' / Y:488586.84'
LAT:32.34137635 / LON:-103.64744949

BHL (NAD83)
X:753027.58' / Y:488509.54'
LAT:32.34112190 / LON:-103.64789296

BHL (NAD27)
X:711844.66' / Y:488449.53'
LAT:32.34099868 / LON:-103.64740816

**CORNER COORDINATES
NAD 83, SPCS NM EAST**

A - X: 753712.06' / Y:499022.42'
B - X: 753751.39' / Y:493740.26'
C - X: 753788.57' / Y:488458.40'
D - X: 751147.37' / Y:488431.01'
E - X: 751111.54' / Y:493713.52'
F - X: 751074.78' / Y:498995.88'

**CORNER COORDINATES
NAD 27, SPCS NM EAST**

A - X: 712529.41' / Y:498962.11'
B - X: 712568.60' / Y:493680.10'
C - X: 712605.64' / Y:488398.39'
D - X: 709964.45' / Y:488371.00'
E - X: 709928.76' / Y:493653.36'
F - X: 709892.14' / Y:498935.58'

***FTP TO LTP LEASE DISTANCES**

TRACT	DISTANCE
NMNM 086149	4700.60'
NMNM 086150	5089.27'
TOTAL	9789.87'



○ Drill Line Events ● Section Corners — Drill Line ⇄ Dimension Lines □ Federal Leases □ HSU ○ HSU Corners
All bearings and coordinates refer to New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet.

JOB No. R4101_003
REV 1 DFS 4/23/2025

Distances/areas relative to NAD 83 grid measurements. Combined Scale Factor: 0.99977917 and a Convergence Angle: 0.35445883°



Occidental Petroleum Corporation

FINAL Plan Vs Actual

Project: Lea County, NM (NAD83)
Site: Llama Mall Pad (22S-32E-Sec 26)
Well: Llama Mall 26-35 Fed Com 33H
Wellbore: OH
Design: Plan 1
Rig: Patterson 882

Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone

Azimuths to Grid North
True North: -0.37°
Magnetic North: 6.03°
Magnetic Field
Strength: 47662.7nT
Dip Angle: 59.95°
Date: 10/11/2023
Model: IFR

WELL DETAILS

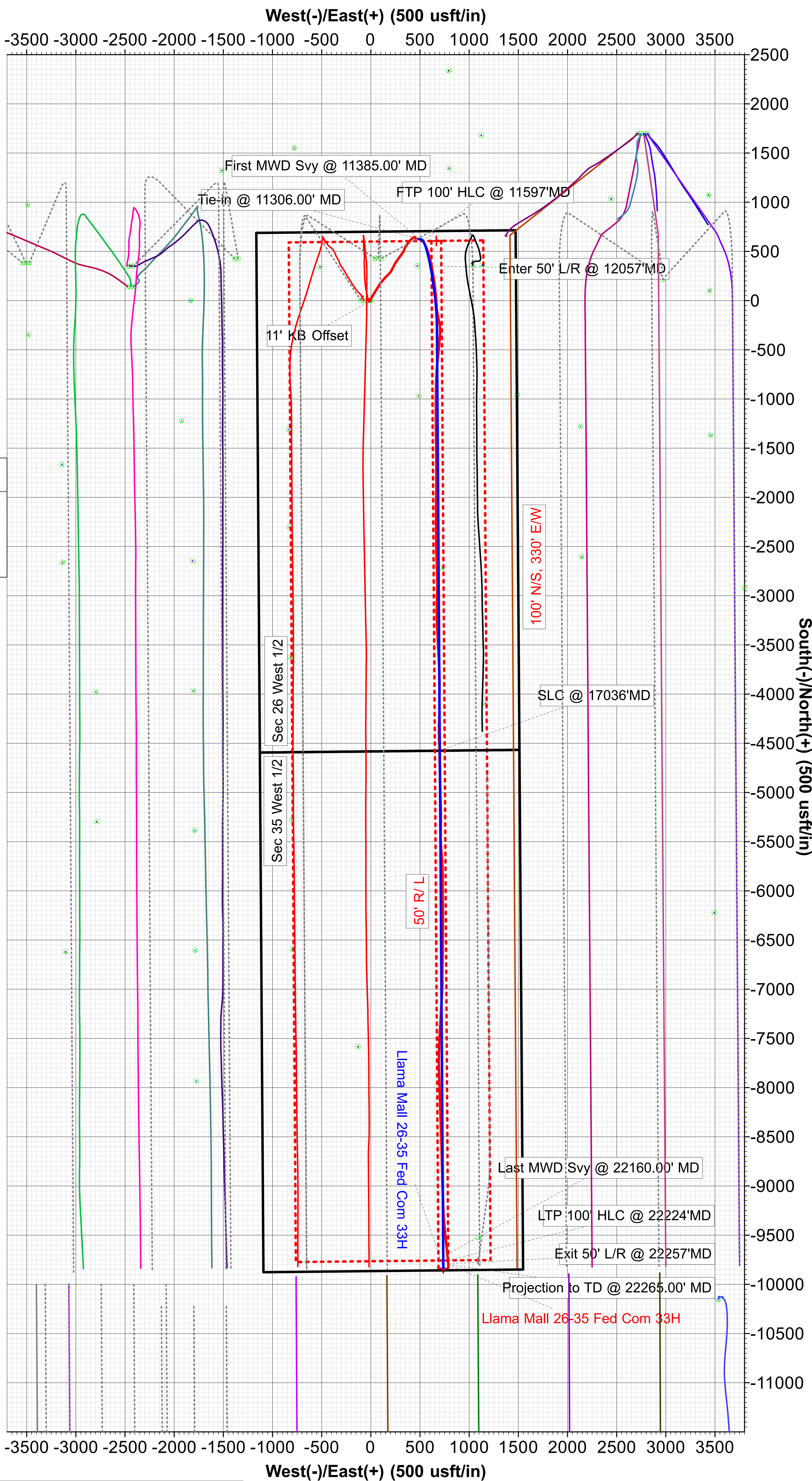
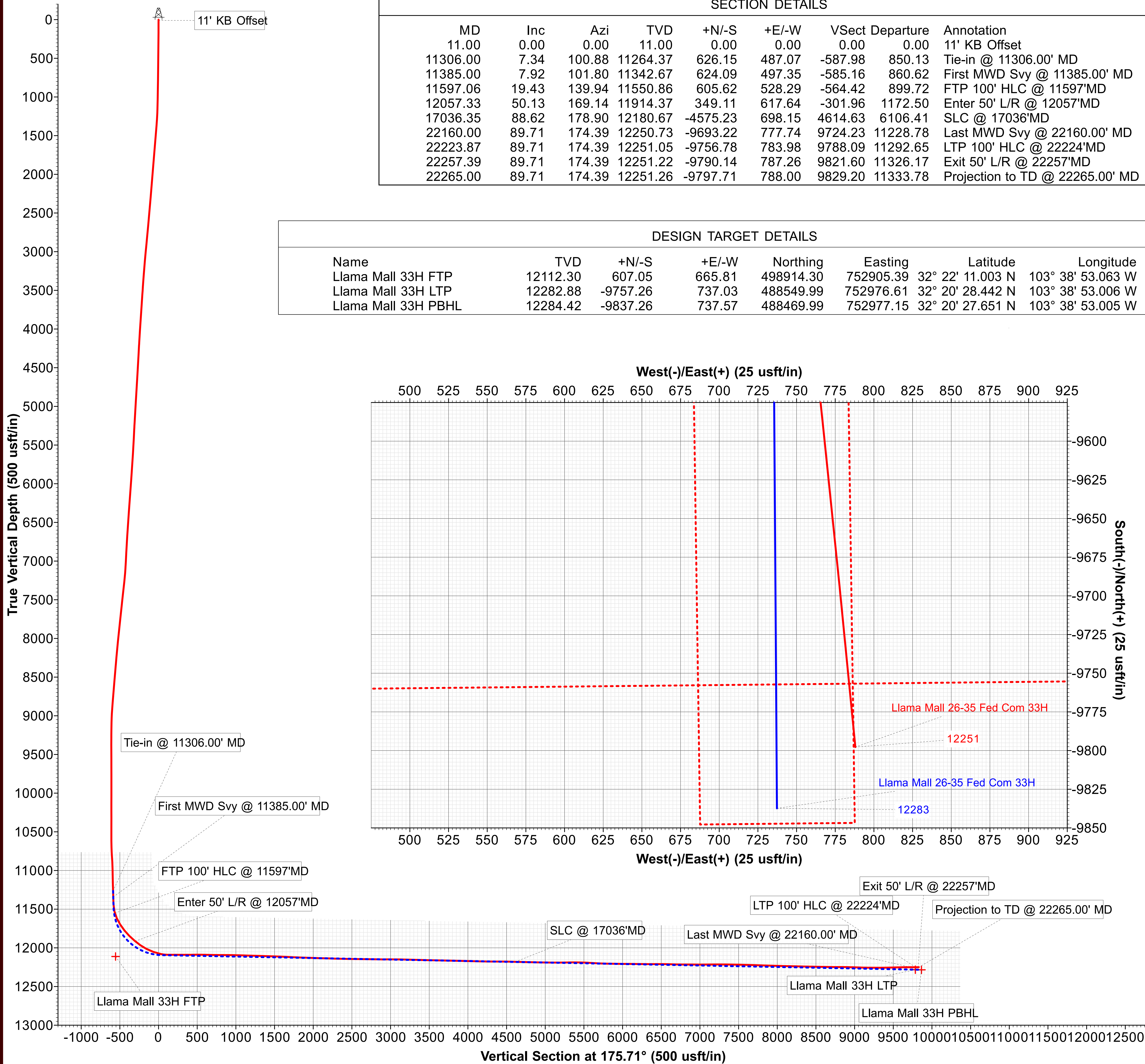
GL 3691ft + RKB 25ft @ 3716.00usft (Patterson 882)					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	498307.25	752239.58	32° 22' 5.038 N	103° 39' 0.871 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
11.00	0.00	0.00	11.00	0.00	0.00	0.00	0.00	11' KB Offset
11306.00	7.34	100.88	11264.37	626.15	487.07	-587.98	850.13	Tie-in @ 11306.00' MD
11385.00	7.92	101.80	11342.67	624.09	497.35	-585.16	860.62	First MWD Svy @ 11385.00' MD
11597.06	19.43	139.94	11550.86	605.62	528.29	-564.42	899.72	FTP 100' HLC @ 11597'MD
12057.33	50.13	169.14	11914.37	349.11	617.64	-301.96	1172.50	Enter 50' L/R @ 12057'MD
17036.35	88.62	178.90	12180.67	-4575.23	698.15	4614.63	6106.41	SLC @ 17036'MD
22160.00	89.71	174.39	12250.73	-9693.22	777.74	9724.23	11228.78	Last MWD Svy @ 22160.00' MD
22223.87	89.71	174.39	12251.05	-9756.78	783.98	9788.09	11292.65	LTP 100' HLC @ 22224'MD
22257.39	89.71	174.39	12251.22	-9790.14	787.26	9821.60	11326.17	Exit 50' L/R @ 22257'MD
22265.00	89.71	174.39	12251.26	-9797.71	788.00	9829.20	11333.78	Projection to TD @ 22265.00' MD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Llama Mall 33H FTP	12112.30	607.05	665.81	498914.30	752905.39	32° 22' 11.003 N	103° 38' 53.063 W
Llama Mall 33H LTP	12282.88	-9757.26	737.03	488549.99	752976.61	32° 20' 28.442 N	103° 38' 53.006 W
Llama Mall 33H PBHL	12284.42	-9837.26	737.57	488469.99	752977.15	32° 20' 27.651 N	103° 38' 53.005 W



Target Center Line
12,095' TVD @ 0° VS; 88.90° INC

Created By: M Hudson
Date: 13:33, November 16 2023

HALLIBURTON | Sperry Drilling

HALLIBURTON**Design Report for Llama Mall 26-35 Fed Com 33H - Final Surveys**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
0.00	0.00	0.00	0.00	0.00 N	0.00 E	498,307.25	752,239.58	0.00	0.00	0.00	
11.00	0.00	0.00	11.00	0.00 N	0.00 E	498,307.25	752,239.58	0.00	0.00	0.00	11' KB Offset
171.00	0.30	317.87	171.00	0.31 N	0.28 W	498,307.56	752,239.30	0.19	-0.33	317.87	
258.00	0.56	324.69	258.00	0.83 N	0.68 W	498,308.08	752,238.90	0.30	-0.88	14.56	
345.00	0.63	325.31	344.99	1.57 N	1.20 W	498,308.82	752,238.38	0.08	-1.65	5.57	
433.00	0.84	338.36	432.98	2.56 N	1.71 W	498,309.81	752,237.87	0.30	-2.68	45.21	
520.00	0.79	342.09	519.98	3.73 N	2.13 W	498,310.98	752,237.45	0.08	-3.88	135.16	
607.00	0.83	344.39	606.97	4.91 N	2.48 W	498,312.16	752,237.10	0.06	-5.08	40.26	
694.00	0.69	353.94	693.96	6.03 N	2.71 W	498,313.28	752,236.87	0.22	-6.22	142.57	
781.00	0.65	0.55	780.95	7.05 N	2.76 W	498,314.30	752,236.82	0.10	-7.23	120.64	
868.00	0.80	0.08	867.95	8.15 N	2.75 W	498,315.40	752,236.83	0.17	-8.33	-2.51	
939.00	0.77	358.69	938.94	9.12 N	2.76 W	498,316.37	752,236.82	0.05	-9.30	-148.29	
1,114.00	1.49	16.66	1,113.91	12.48 N	2.14 W	498,319.73	752,237.44	0.45	-12.60	35.38	
1,208.00	2.72	21.25	1,207.84	15.73 N	0.98 W	498,322.98	752,238.60	1.32	-15.76	10.10	
1,302.00	4.34	24.85	1,301.66	21.03 N	1.32 E	498,328.28	752,240.90	1.74	-20.87	9.59	
1,395.00	5.62	29.16	1,394.31	28.20 N	5.02 E	498,335.45	752,244.60	1.43	-27.75	18.45	
1,490.00	5.88	31.98	1,488.83	36.39 N	9.86 E	498,343.64	752,249.44	0.40	-35.55	48.79	
1,585.00	5.84	32.70	1,583.33	44.59 N	15.05 E	498,351.84	752,254.63	0.09	-43.34	118.91	
1,679.00	5.73	32.29	1,676.85	52.58 N	20.14 E	498,359.83	752,259.72	0.13	-50.92	-159.61	
1,774.00	5.78	31.45	1,771.37	60.67 N	25.17 E	498,367.92	752,264.75	0.10	-58.62	-59.72	
1,868.00	5.79	31.72	1,864.90	68.74 N	30.14 E	498,375.99	752,269.72	0.03	-66.29	69.96	
1,963.00	5.79	32.62	1,959.41	76.85 N	35.24 E	498,384.10	752,274.82	0.10	-74.00	90.45	
2,058.00	5.89	33.31	2,053.92	84.96 N	40.50 E	498,392.21	752,280.08	0.13	-81.70	35.42	
2,153.00	5.99	32.43	2,148.41	93.22 N	45.83 E	498,400.47	752,285.41	0.14	-89.53	-42.76	
2,248.00	5.93	32.26	2,242.89	101.55 N	51.11 E	498,408.80	752,290.69	0.07	-97.45	-163.69	
2,341.00	5.99	31.79	2,335.39	109.74 N	56.23 E	498,416.99	752,295.81	0.08	-105.23	-39.36	
2,435.00	6.05	31.40	2,428.87	118.14 N	61.40 E	498,425.39	752,300.98	0.08	-113.22	-34.48	
2,529.00	6.12	32.06	2,522.34	126.61 N	66.64 E	498,433.86	752,306.22	0.11	-121.27	45.31	
2,623.00	6.32	31.43	2,615.79	135.27 N	71.99 E	498,442.52	752,311.57	0.22	-129.51	-19.16	
2,718.00	6.44	31.11	2,710.20	144.30 N	77.47 E	498,451.55	752,317.05	0.13	-138.10	-16.66	
2,812.00	6.54	30.85	2,803.60	153.40 N	82.94 E	498,460.65	752,322.52	0.11	-146.77	-16.51	
2,906.00	6.66	30.00	2,896.98	162.72 N	88.41 E	498,469.97	752,327.99	0.16	-155.66	-39.57	
3,001.00	6.78	30.14	2,991.32	172.34 N	93.98 E	498,479.59	752,333.56	0.13	-164.83	7.84	
3,094.00	7.05	39.45	3,083.65	181.50 N	100.37 E	498,488.75	752,339.95	1.24	-173.48	81.11	
3,188.00	6.59	42.37	3,176.99	189.94 N	107.67 E	498,497.19	752,347.25	0.61	-181.35	144.43	
3,281.00	6.31	42.37	3,269.40	197.65 N	114.71 E	498,504.90	752,354.29	0.30	-188.52	180.00	

HALLIBURTON**Design Report for Llama Mall 26-35 Fed Com 33H - Final Surveys**

Measured		Grid	Vertical	Local Coordinates		Map Coordinates		Dogleg	Vertical	Toolface	Comments
Depth (usft)	Inclination (°)	Azimuth (°)	Depth (usft)	Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)	Rate (°/100ft)	Section (usft)	Angle (°)	
3,376.00	6.39	41.61	3,363.81	205.46 N	121.74 E	498,512.71	752,361.32	0.12	-195.79	-46.79	
3,471.00	5.43	39.85	3,458.31	212.87 N	128.13 E	498,520.12	752,367.71	1.03	-202.69	-170.18	
3,566.00	5.25	39.39	3,552.90	219.68 N	133.77 E	498,526.93	752,373.35	0.19	-209.06	-166.85	
3,661.00	5.47	40.47	3,647.48	226.48 N	139.46 E	498,533.73	752,379.04	0.25	-215.42	25.17	
3,756.00	5.80	42.99	3,742.02	233.44 N	145.67 E	498,540.69	752,385.25	0.43	-221.89	38.12	
3,851.00	6.04	46.30	3,836.51	240.40 N	152.56 E	498,547.65	752,392.14	0.44	-228.32	56.55	
3,946.00	5.83	46.79	3,931.01	247.16 N	159.69 E	498,554.41	752,399.27	0.23	-234.53	166.68	
4,041.00	5.30	43.98	4,025.56	253.62 N	166.25 E	498,560.87	752,405.83	0.63	-240.48	-154.18	
4,135.00	5.49	45.23	4,119.14	259.91 N	172.46 E	498,567.16	752,412.04	0.24	-246.29	32.36	
4,230.00	5.07	43.66	4,213.74	266.15 N	178.59 E	498,573.40	752,418.17	0.47	-252.05	-161.80	
4,325.00	4.48	40.62	4,308.41	272.00 N	183.90 E	498,579.25	752,423.48	0.68	-257.49	-158.29	
4,420.00	4.48	45.99	4,403.12	277.39 N	188.98 E	498,584.64	752,428.56	0.44	-262.49	92.68	
4,514.00	4.57	43.90	4,496.82	282.64 N	194.22 E	498,589.89	752,433.80	0.20	-267.33	-62.42	
4,609.00	4.54	36.55	4,591.53	288.39 N	199.08 E	498,595.64	752,438.66	0.61	-272.70	-96.60	
4,702.00	4.38	31.53	4,684.24	294.37 N	203.13 E	498,601.62	752,442.71	0.45	-278.36	-114.78	
4,797.00	4.22	28.17	4,778.98	300.55 N	206.68 E	498,607.80	752,446.26	0.31	-284.25	-124.09	
4,892.00	3.90	29.72	4,873.74	306.44 N	209.93 E	498,613.69	752,449.51	0.36	-289.88	161.84	
4,986.00	3.95	28.32	4,967.52	312.06 N	213.05 E	498,619.31	752,452.63	0.11	-295.26	-63.15	
5,081.00	3.81	28.12	5,062.30	317.73 N	216.09 E	498,624.98	752,455.67	0.15	-300.68	-174.58	
5,176.00	3.97	27.56	5,157.08	323.42 N	219.10 E	498,630.67	752,458.68	0.17	-306.14	-13.64	
5,270.00	3.78	28.73	5,250.87	329.03 N	222.10 E	498,636.28	752,461.68	0.22	-311.50	157.99	
5,365.00	3.51	26.39	5,345.67	334.38 N	224.89 E	498,641.63	752,464.47	0.32	-316.63	-152.31	
5,460.00	3.56	28.76	5,440.49	339.57 N	227.61 E	498,646.82	752,467.19	0.16	-321.60	72.30	
5,554.00	3.25	26.48	5,534.33	344.51 N	230.20 E	498,651.76	752,469.78	0.36	-326.34	-157.54	
5,649.00	3.88	25.60	5,629.14	349.82 N	232.79 E	498,657.07	752,472.37	0.67	-331.44	-5.40	
5,744.00	4.53	25.22	5,723.89	356.11 N	235.78 E	498,663.36	752,475.36	0.68	-337.49	-2.64	
5,839.00	4.77	24.30	5,818.57	363.11 N	239.00 E	498,670.36	752,478.58	0.26	-344.22	-17.72	
5,933.00	4.86	24.38	5,912.24	370.30 N	242.25 E	498,677.55	752,481.83	0.10	-351.15	4.31	
6,028.00	5.07	32.60	6,006.89	377.50 N	246.17 E	498,684.75	752,485.75	0.78	-358.04	77.68	
6,123.00	5.34	35.94	6,101.50	384.61 N	251.03 E	498,691.86	752,490.61	0.43	-364.77	49.97	
6,218.00	5.35	37.48	6,196.08	391.71 N	256.32 E	498,698.96	752,495.90	0.15	-371.45	86.78	
6,313.00	5.21	34.06	6,290.68	398.80 N	261.43 E	498,706.05	752,501.01	0.36	-378.13	-115.68	
6,407.00	5.22	33.20	6,384.29	405.91 N	266.16 E	498,713.16	752,505.74	0.08	-384.87	-83.14	
6,501.00	5.02	35.65	6,477.92	412.83 N	270.90 E	498,720.08	752,510.48	0.32	-391.42	133.67	
6,596.00	4.78	35.13	6,572.57	419.44 N	275.60 E	498,726.69	752,515.18	0.26	-397.66	-169.77	
6,786.00	4.34	35.96	6,761.97	431.74 N	284.38 E	498,738.99	752,523.96	0.23	-409.27	171.88	
6,881.00	4.20	35.46	6,856.70	437.48 N	288.51 E	498,744.73	752,528.09	0.15	-414.69	-165.36	

HALLIBURTON**Design Report for Llama Mall 26-35 Fed Com 33H - Final Surveys**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
6,975.00	3.92	35.58	6,950.47	442.90 N	292.37 E	498,750.15	752,531.95	0.30	-419.80	178.32	
7,008.00	3.89	32.67	6,983.39	444.76 N	293.63 E	498,752.01	752,533.21	0.61	-421.56	-100.06	
7,142.00	4.62	34.68	7,117.02	453.02 N	299.16 E	498,760.27	752,538.74	0.56	-429.39	12.55	
7,237.00	7.05	34.45	7,211.52	460.98 N	304.63 E	498,768.23	752,544.21	2.56	-436.91	-0.67	
7,332.00	8.60	37.24	7,305.63	471.44 N	312.23 E	498,778.69	752,551.81	1.68	-446.78	15.16	
7,427.00	8.19	37.30	7,399.62	482.48 N	320.63 E	498,789.73	752,560.21	0.43	-457.15	178.81	
7,521.00	8.04	34.46	7,492.67	493.22 N	328.41 E	498,800.47	752,567.99	0.46	-467.29	-111.92	
7,616.00	6.80	24.19	7,586.88	503.83 N	334.47 E	498,811.08	752,574.05	1.91	-477.41	-138.09	
7,711.00	6.63	18.84	7,681.23	514.15 N	338.55 E	498,821.40	752,578.13	0.68	-487.40	-107.85	
7,805.00	6.87	21.44	7,774.58	524.52 N	342.35 E	498,831.77	752,581.93	0.41	-497.46	53.15	
7,900.00	6.67	26.19	7,868.92	534.76 N	346.87 E	498,842.01	752,586.45	0.63	-507.33	112.00	
7,995.00	7.63	30.13	7,963.18	545.17 N	352.47 E	498,852.42	752,592.05	1.13	-517.29	29.02	
8,089.00	6.93	33.14	8,056.42	555.31 N	358.70 E	498,862.56	752,598.28	0.85	-526.94	152.90	
8,184.00	6.53	33.86	8,150.77	564.60 N	364.84 E	498,871.85	752,604.42	0.43	-535.74	168.45	
8,279.00	6.22	34.14	8,245.18	573.34 N	370.74 E	498,880.59	752,610.32	0.33	-544.02	174.41	
8,374.00	6.94	37.58	8,339.55	582.15 N	377.13 E	498,889.40	752,616.71	0.86	-552.32	30.42	
8,468.00	6.44	37.38	8,432.91	590.84 N	383.79 E	498,898.09	752,623.37	0.53	-560.49	-177.43	
8,563.00	6.30	36.77	8,527.32	599.25 N	390.15 E	498,906.50	752,629.73	0.16	-568.40	-154.50	
8,658.00	6.11	38.07	8,621.77	607.40 N	396.39 E	498,914.65	752,635.97	0.25	-576.07	144.16	
8,752.00	7.54	41.89	8,715.10	615.93 N	403.59 E	498,923.18	752,643.17	1.60	-584.04	19.52	
8,847.00	6.70	49.82	8,809.37	624.15 N	411.98 E	498,931.40	752,651.56	1.36	-591.60	134.41	
8,941.00	7.33	48.34	8,902.67	631.67 N	420.65 E	498,938.92	752,660.23	0.70	-598.46	-16.74	
9,036.00	4.85	47.86	8,997.12	638.40 N	428.16 E	498,945.65	752,667.74	2.61	-604.60	-179.06	
9,130.00	3.07	65.92	9,090.90	642.09 N	433.41 E	498,949.34	752,672.99	2.29	-607.89	153.77	
9,225.00	3.06	70.96	9,185.76	643.96 N	438.13 E	498,951.21	752,677.71	0.28	-609.40	94.64	
9,320.00	2.55	77.03	9,280.65	645.26 N	442.58 E	498,952.51	752,682.16	0.62	-610.36	152.79	
9,414.00	0.22	125.52	9,374.61	645.62 N	444.77 E	498,952.87	752,684.35	2.56	-610.56	176.08	
9,509.00	0.52	174.80	9,469.61	645.09 N	444.95 E	498,952.34	752,684.53	0.43	-610.01	73.17	
9,604.00	0.12	346.09	9,564.61	644.76 N	444.97 E	498,952.01	752,684.55	0.67	-609.68	178.37	
9,699.00	0.23	143.89	9,659.61	644.70 N	445.06 E	498,951.95	752,684.64	0.36	-609.62	165.37	
9,793.00	0.24	108.10	9,753.61	644.48 N	445.36 E	498,951.73	752,684.94	0.15	-609.38	-104.12	
9,888.00	0.08	304.94	9,848.61	644.46 N	445.49 E	498,951.71	752,685.07	0.33	-609.35	-175.81	
9,982.00	0.14	18.70	9,942.61	644.61 N	445.47 E	498,951.86	752,685.05	0.15	-609.50	106.90	
10,077.00	0.17	149.47	10,037.61	644.60 N	445.58 E	498,951.85	752,685.16	0.30	-609.48	152.85	
10,172.00	0.20	13.98	10,132.61	644.63 N	445.69 E	498,951.88	752,685.27	0.36	-609.51	-155.84	
10,266.00	0.14	125.44	10,226.61	644.73 N	445.83 E	498,951.98	752,685.41	0.30	-609.59	152.59	
10,360.00	0.15	240.00	10,320.61	644.60 N	445.81 E	498,951.85	752,685.39	0.26	-609.46	146.01	

HALLIBURTON**Design Report for Llama Mall 26-35 Fed Com 33H - Final Surveys**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
10,455.00	0.21	32.09	10,415.61	644.68 N	445.80 E	498,951.93	752,685.38	0.37	-609.55	163.67	
10,550.00	0.14	259.51	10,510.61	644.81 N	445.78 E	498,952.06	752,685.36	0.34	-609.68	-161.31	
10,644.00	0.14	104.51	10,604.61	644.76 N	445.78 E	498,952.01	752,685.36	0.29	-609.63	-167.50	
10,739.00	1.47	151.86	10,699.60	643.66 N	446.46 E	498,950.91	752,686.04	1.45	-608.48	51.63	
10,834.00	4.32	159.11	10,794.47	639.24 N	448.31 E	498,946.49	752,687.89	3.02	-603.93	10.95	
10,928.00	4.22	133.80	10,888.21	633.54 N	452.07 E	498,940.79	752,691.65	1.99	-597.96	-105.61	
11,023.00	3.96	102.24	10,982.98	630.42 N	457.80 E	498,937.67	752,697.38	2.35	-594.43	-112.16	
11,117.00	5.13	93.27	11,076.69	629.49 N	465.17 E	498,936.74	752,704.75	1.45	-592.95	-35.80	
11,212.00	7.25	99.48	11,171.13	628.26 N	475.32 E	498,935.51	752,714.90	2.34	-590.97	20.63	
11,306.00	7.34	100.88	11,264.37	626.15 N	487.07 E	498,933.40	752,726.65	0.21	-587.98	63.84	Tie-in @ 11306.00' MD
11,385.00	7.92	101.80	11,342.67	624.09 N	497.35 E	498,931.34	752,736.93	0.75	-585.16	12.35	First MWD Svy @ 11385.00' MD
11,479.00	5.98	100.90	11,435.97	621.84 N	508.50 E	498,929.09	752,748.08	2.07	-582.08	-177.23	
11,574.00	17.21	134.78	11,528.97	610.96 N	523.40 E	498,918.21	752,762.98	13.35	-570.12	48.72	
11,597.06	19.43	139.94	11,550.86	605.62 N	528.29 E	498,912.87	752,767.87	11.93	-564.42	38.56	FTP 100' HLC @ 11597'MD
11,669.00	26.98	150.44	11,616.96	582.22 N	544.07 E	498,889.47	752,783.65	11.93	-539.91	33.67	
11,763.00	33.78	156.98	11,698.03	539.56 N	564.84 E	498,846.81	752,804.42	8.03	-495.82	28.80	
11,858.00	39.26	162.99	11,774.37	486.45 N	583.98 E	498,793.70	752,823.56	6.88	-441.43	35.58	
11,953.00	45.71	165.86	11,844.40	424.66 N	601.10 E	498,731.91	752,840.68	7.09	-378.53	17.80	
12,047.00	49.60	169.02	11,907.71	356.87 N	616.15 E	498,664.12	752,855.73	4.83	-309.80	32.06	
12,057.33	50.13	169.14	11,914.37	349.11 N	617.64 E	498,656.36	752,857.22	5.21	-301.96	9.77	Enter 50' L/R @ 12057'MD
12,142.00	54.48	170.05	11,966.13	283.23 N	629.73 E	498,590.48	752,869.31	5.21	-235.35	9.69	
12,236.00	63.96	170.68	12,014.18	203.70 N	643.21 E	498,510.95	752,882.79	10.10	-155.04	3.43	
12,331.00	69.73	174.75	12,051.53	117.11 N	654.21 E	498,424.36	752,893.79	7.24	-67.87	33.79	
12,425.00	77.05	174.48	12,078.38	27.49 N	662.66 E	498,334.74	752,902.24	7.79	22.13	-2.06	
12,520.00	89.69	177.07	12,089.33	66.42 S	669.57 E	498,240.83	752,909.15	13.58	116.30	11.68	
12,589.00	89.41	169.14	12,089.88	134.87 S	677.85 E	498,172.38	752,917.43	11.50	185.17	-92.05	
12,615.00	90.05	167.38	12,090.00	160.32 S	683.14 E	498,146.93	752,922.72	7.20	210.95	-70.02	
12,710.00	89.89	170.44	12,090.05	253.54 S	701.41 E	498,053.71	752,940.99	3.23	305.27	92.99	
12,792.00	90.88	185.39	12,089.49	335.25 S	704.38 E	497,972.00	752,943.96	18.27	386.97	86.18	
12,885.00	90.15	184.07	12,088.66	427.92 S	696.71 E	497,879.33	752,936.29	1.62	478.82	-118.94	
12,980.00	89.11	186.34	12,089.27	522.52 S	688.10 E	497,784.73	752,927.68	2.63	572.51	114.62	
13,074.00	88.26	185.83	12,091.43	615.97 S	678.14 E	497,691.28	752,917.72	1.05	664.94	-149.05	
13,169.00	89.78	184.46	12,093.05	710.56 S	669.62 E	497,596.69	752,909.20	2.15	758.64	-42.04	
13,264.00	89.65	181.31	12,093.53	805.43 S	664.84 E	497,501.82	752,904.42	3.32	852.88	-92.37	
13,358.00	89.51	181.63	12,094.22	899.40 S	662.43 E	497,407.85	752,902.01	0.37	946.41	113.63	
13,453.00	87.98	179.81	12,096.30	994.36 S	661.23 E	497,312.89	752,900.81	2.50	1,041.02	-130.08	

HALLIBURTON**Design Report for Llama Mall 26-35 Fed Com 33H - Final Surveys**

Measured		Grid	Vertical	Local Coordinates		Map Coordinates		Dogleg	Vertical	Toolface	Comments
Depth (usft)	Inclination (°)	Azimuth (°)	Depth (usft)	Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)	Rate (°/100ft)	Section (usft)	Angle (°)	
13,547.00	88.11	180.46	12,099.50	1,088.30 S	661.01 E	497,218.95	752,900.59	0.70	1,134.68	78.69	
13,642.00	88.36	179.50	12,102.43	1,183.26 S	661.04 E	497,123.99	752,900.62	1.04	1,229.37	-75.41	
13,737.00	88.47	179.62	12,105.06	1,278.22 S	661.77 E	497,029.03	752,901.35	0.17	1,324.12	47.48	
13,831.00	88.34	179.29	12,107.67	1,372.18 S	662.67 E	496,935.07	752,902.25	0.38	1,417.88	-111.51	
13,926.00	87.58	179.02	12,111.05	1,467.11 S	664.07 E	496,840.14	752,903.65	0.85	1,512.65	-160.46	
14,021.00	87.57	179.39	12,115.07	1,562.01 S	665.38 E	496,745.24	752,904.96	0.39	1,607.39	91.56	
14,115.00	86.99	179.54	12,119.54	1,655.90 S	666.26 E	496,651.35	752,905.84	0.64	1,701.08	165.52	
14,210.00	88.22	180.55	12,123.51	1,750.82 S	666.19 E	496,556.43	752,905.77	1.67	1,795.72	39.39	
14,305.00	87.43	178.82	12,127.11	1,845.74 S	666.71 E	496,461.51	752,906.29	2.00	1,890.42	-114.59	
14,400.00	88.68	181.24	12,130.34	1,940.68 S	666.66 E	496,366.57	752,906.24	2.87	1,985.09	62.71	
14,494.00	87.85	181.44	12,133.18	2,034.61 S	664.46 E	496,272.64	752,904.04	0.91	2,078.59	166.46	
14,589.00	88.81	180.10	12,135.95	2,129.56 S	663.18 E	496,177.69	752,902.76	1.73	2,173.18	-54.39	
14,684.00	87.80	179.79	12,138.76	2,224.51 S	663.28 E	496,082.74	752,902.86	1.11	2,267.88	-162.95	
14,779.00	88.22	179.17	12,142.06	2,319.45 S	664.14 E	495,987.80	752,903.72	0.79	2,362.62	-55.88	
14,874.00	89.43	179.64	12,144.01	2,414.42 S	665.12 E	495,892.83	752,904.70	1.37	2,457.40	21.23	
14,969.00	89.58	179.37	12,144.83	2,509.42 S	665.94 E	495,797.83	752,905.52	0.33	2,552.18	-60.95	
15,063.00	88.97	178.00	12,146.02	2,603.38 S	668.10 E	495,703.87	752,907.68	1.60	2,646.05	-114.01	
15,158.00	89.33	177.50	12,147.43	2,698.30 S	671.83 E	495,608.95	752,911.41	0.65	2,740.98	-54.25	
15,252.00	88.98	178.54	12,148.81	2,792.23 S	675.08 E	495,515.02	752,914.66	1.17	2,834.89	108.61	
15,347.00	90.02	180.02	12,149.64	2,887.22 S	676.27 E	495,420.03	752,915.85	1.90	2,929.70	54.91	
15,442.00	90.48	181.82	12,149.23	2,982.20 S	674.75 E	495,325.05	752,914.33	1.96	3,024.30	75.66	
15,536.00	89.00	181.76	12,149.65	3,076.15 S	671.81 E	495,231.10	752,911.39	1.58	3,117.77	-177.68	
15,631.00	88.22	180.08	12,151.96	3,171.10 S	670.28 E	495,136.15	752,909.86	1.95	3,212.34	-114.93	
15,725.00	88.63	177.27	12,154.54	3,265.03 S	672.46 E	495,042.22	752,912.04	3.02	3,306.17	-81.74	
15,820.00	88.41	177.64	12,157.00	3,359.91 S	676.67 E	494,947.34	752,916.25	0.45	3,401.10	120.75	
15,914.00	88.33	176.97	12,159.67	3,453.77 S	681.09 E	494,853.48	752,920.67	0.72	3,495.02	-96.82	
16,009.00	89.09	176.92	12,161.81	3,548.61 S	686.15 E	494,758.64	752,925.73	0.80	3,589.98	-3.76	
16,104.00	88.83	177.28	12,163.53	3,643.47 S	690.96 E	494,663.78	752,930.54	0.47	3,684.93	125.85	
16,198.00	88.39	176.99	12,165.81	3,737.32 S	695.66 E	494,569.93	752,935.24	0.56	3,778.87	-146.62	
16,293.00	88.58	178.94	12,168.33	3,832.23 S	699.03 E	494,475.02	752,938.61	2.06	3,873.76	84.46	
16,388.00	88.93	181.01	12,170.39	3,927.20 S	699.07 E	494,380.05	752,938.65	2.21	3,968.47	80.42	
16,483.00	88.74	181.04	12,172.32	4,022.16 S	697.37 E	494,285.09	752,936.95	0.20	4,063.05	171.03	
16,578.00	88.22	178.51	12,174.84	4,117.12 S	697.74 E	494,190.13	752,937.32	2.72	4,157.77	-101.65	
16,672.00	89.61	182.63	12,176.62	4,211.08 S	696.81 E	494,096.17	752,936.39	4.62	4,251.39	71.40	
16,767.00	89.50	181.39	12,177.36	4,306.01 S	693.48 E	494,001.24	752,933.06	1.31	4,345.81	-95.07	
16,862.00	90.30	179.25	12,177.53	4,401.01 S	692.95 E	493,906.24	752,932.53	2.40	4,440.50	-69.51	
16,956.00	88.41	177.49	12,178.58	4,494.95 S	695.62 E	493,812.30	752,935.20	2.75	4,534.38	-137.05	

HALLIBURTON**Design Report for Llama Mall 26-35 Fed Com 33H - Final Surveys**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
17,036.35	88.62	178.90	12,180.67	4,575.23 S	698.15 E	493,732.02	752,937.73	1.78	4,614.63	81.51	SLC @ 17036'MD
17,051.00	88.66	179.16	12,181.01	4,589.88 S	698.39 E	493,717.37	752,937.97	1.78	4,629.25	81.47	
17,145.00	88.39	178.93	12,183.43	4,683.83 S	699.96 E	493,623.42	752,939.54	0.38	4,723.06	-139.59	
17,240.00	88.55	178.46	12,185.97	4,778.78 S	702.12 E	493,528.47	752,941.70	0.52	4,817.90	-71.20	
17,334.00	88.93	178.67	12,188.04	4,872.72 S	704.48 E	493,434.53	752,944.06	0.46	4,911.76	28.92	
17,429.00	89.23	179.09	12,189.56	4,967.69 S	706.33 E	493,339.56	752,945.91	0.54	5,006.60	54.46	
17,524.00	89.53	178.47	12,190.59	5,062.66 S	708.36 E	493,244.59	752,947.94	0.72	5,101.46	-64.18	
17,618.00	90.28	177.80	12,190.75	5,156.61 S	711.42 E	493,150.64	752,951.00	1.07	5,195.37	-41.78	
17,713.00	91.57	180.77	12,189.21	5,251.58 S	712.60 E	493,055.67	752,952.18	3.41	5,290.16	66.50	
17,808.00	89.44	180.14	12,188.37	5,346.57 S	711.85 E	492,960.68	752,951.43	2.34	5,384.83	-163.52	
17,902.00	88.71	181.02	12,189.89	5,440.55 S	710.90 E	492,866.70	752,950.48	1.22	5,478.47	129.69	
17,997.00	86.36	176.20	12,193.98	5,535.40 S	713.19 E	492,771.85	752,952.77	5.64	5,573.23	-116.10	
18,092.00	86.76	175.45	12,199.68	5,629.98 S	720.10 E	492,677.27	752,959.68	0.89	5,668.06	-61.91	
18,186.00	88.56	176.81	12,203.52	5,723.68 S	726.44 E	492,583.57	752,966.02	2.40	5,761.97	37.08	
18,281.00	89.06	179.26	12,205.49	5,818.59 S	729.69 E	492,488.66	752,969.27	2.63	5,856.86	78.49	
18,376.00	89.12	180.25	12,207.00	5,913.58 S	730.10 E	492,393.67	752,969.68	1.04	5,951.61	86.54	
18,470.00	89.98	179.28	12,207.74	6,007.57 S	730.48 E	492,299.68	752,970.06	1.38	6,045.37	-48.44	
18,565.00	89.34	179.18	12,208.30	6,102.56 S	731.76 E	492,204.69	752,971.34	0.68	6,140.19	-171.12	
18,660.00	89.18	179.79	12,209.53	6,197.55 S	732.61 E	492,109.70	752,972.19	0.66	6,234.98	104.70	
18,755.00	90.19	179.87	12,210.05	6,292.55 S	732.90 E	492,014.70	752,972.48	1.07	6,329.73	4.53	
18,849.00	89.82	180.55	12,210.04	6,386.55 S	732.55 E	491,920.70	752,972.13	0.82	6,423.44	118.55	
18,944.00	89.75	180.28	12,210.40	6,481.54 S	731.86 E	491,825.71	752,971.44	0.29	6,518.12	-104.54	
19,038.00	88.04	180.02	12,212.21	6,575.52 S	731.62 E	491,731.73	752,971.20	1.84	6,611.82	-171.36	
19,133.00	88.87	181.52	12,214.77	6,670.47 S	730.34 E	491,636.78	752,969.92	1.80	6,706.41	61.06	
19,228.00	89.11	181.16	12,216.45	6,765.43 S	728.12 E	491,541.82	752,967.70	0.46	6,800.94	-56.31	
19,322.00	91.08	179.41	12,216.29	6,859.42 S	727.65 E	491,447.83	752,967.23	2.80	6,894.63	-41.62	
19,417.00	88.56	180.72	12,216.59	6,954.41 S	727.54 E	491,352.84	752,967.12	2.99	6,989.34	152.53	
19,512.00	91.58	183.49	12,216.47	7,049.33 S	724.06 E	491,257.92	752,963.64	4.31	7,083.73	42.53	
19,606.00	89.91	183.13	12,215.25	7,143.16 S	718.63 E	491,164.09	752,958.21	1.82	7,176.90	-167.83	
19,701.00	90.28	183.34	12,215.10	7,238.01 S	713.27 E	491,069.24	752,952.85	0.45	7,271.08	29.58	
19,796.00	89.01	183.55	12,215.68	7,332.83 S	707.56 E	490,974.42	752,947.14	1.35	7,365.21	170.61	
19,890.00	88.92	183.72	12,217.38	7,426.63 S	701.60 E	490,880.62	752,941.18	0.20	7,458.30	117.90	
19,984.00	88.78	182.35	12,219.27	7,520.48 S	696.62 E	490,786.77	752,936.20	1.46	7,551.51	-95.85	
20,174.00	88.13	180.46	12,224.39	7,710.34 S	691.97 E	490,596.91	752,931.55	1.05	7,740.50	-109.01	
20,268.00	88.17	178.91	12,227.43	7,804.29 S	692.48 E	490,502.96	752,932.06	1.65	7,834.22	-88.55	
20,363.00	87.67	177.93	12,230.87	7,899.19 S	695.10 E	490,408.06	752,934.68	1.16	7,929.05	-117.06	
20,457.00	88.68	177.72	12,233.87	7,993.07 S	698.67 E	490,314.18	752,938.25	1.10	8,022.94	-11.74	

HALLIBURTON**Design Report for Llama Mall 26-35 Fed Com 33H - Final Surveys**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
20,552.00	88.19	178.33	12,236.46	8,087.98 S	701.94 E	490,219.27	752,941.52	0.82	8,117.82	128.79	
20,646.00	88.85	178.22	12,238.89	8,181.90 S	704.77 E	490,125.35	752,944.35	0.71	8,211.70	-9.46	
20,741.00	89.00	178.19	12,240.67	8,276.84 S	707.74 E	490,030.41	752,947.32	0.16	8,306.59	-11.31	
20,836.00	88.84	177.65	12,242.46	8,371.76 S	711.19 E	489,935.49	752,950.77	0.59	8,401.50	-106.51	
20,931.00	88.99	178.08	12,244.26	8,466.68 S	714.73 E	489,840.57	752,954.31	0.48	8,496.42	70.77	
21,025.00	88.57	178.24	12,246.26	8,560.61 S	717.75 E	489,746.64	752,957.33	0.48	8,590.31	159.15	
21,120.00	89.26	178.61	12,248.06	8,655.55 S	720.36 E	489,651.70	752,959.94	0.82	8,685.19	28.20	
21,214.00	90.13	178.89	12,248.56	8,749.53 S	722.41 E	489,557.72	752,961.99	0.97	8,779.05	17.84	
21,309.00	89.52	178.36	12,248.85	8,844.50 S	724.69 E	489,462.75	752,964.27	0.85	8,873.93	-139.01	
21,403.00	88.15	178.06	12,250.76	8,938.43 S	727.62 E	489,368.82	752,967.20	1.49	8,967.82	-167.65	
21,498.00	87.74	177.89	12,254.17	9,033.31 S	730.98 E	489,273.94	752,970.56	0.47	9,062.68	-157.50	
21,593.00	89.51	178.93	12,256.45	9,128.24 S	733.61 E	489,179.01	752,973.19	2.16	9,157.54	30.44	
21,782.00	89.93	176.29	12,257.37	9,317.06 S	741.49 E	488,990.19	752,981.07	1.41	9,346.42	-80.97	
21,877.00	91.81	174.46	12,255.93	9,411.73 S	749.15 E	488,895.52	752,988.73	2.76	9,441.40	-44.21	
21,971.00	91.60	174.33	12,253.13	9,505.24 S	758.33 E	488,802.01	752,997.91	0.26	9,535.33	-148.25	
22,066.00	90.80	173.85	12,251.15	9,599.71 S	768.11 E	488,707.54	753,007.69	0.98	9,630.27	-149.04	
22,160.00	89.71	174.39	12,250.73	9,693.22 S	777.74 E	488,614.03	753,017.32	1.29	9,724.23	153.64	Last MWD Svy @ 22160.00' MD
22,223.87	89.71	174.39	12,251.05	9,756.78 S	783.98 E	488,550.47	753,023.56	0.00	9,788.09	0.00	LTP 100' HLC @ 22224'MD
22,257.39	89.71	174.39	12,251.22	9,790.14 S	787.26 E	488,517.11	753,026.84	0.00	9,821.60	0.00	Exit 50' L/R @ 22257'MD
22,265.00	89.71	174.39	12,251.26	9,797.71 S	788.00 E	488,509.54	753,027.58	0.00	9,829.20	0.00	Projection to TD @ 22265.00' MD

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11.00	11.00	0.00	0.00	11' KB Offset
11,306.00	11,264.37	626.15	487.07	Tie-in @ 11306.00' MD
11,385.00	11,342.67	624.09	497.35	First MWD Svy @ 11385.00' MD
11,597.06	11,550.86	605.62	528.29	FTP 100' HLC @ 11597'MD
12,057.33	11,914.37	349.11	617.64	Enter 50' L/R @ 12057'MD
17,036.35	12,180.67	-4,575.23	698.15	SLC @ 17036'MD
22,160.00	12,250.73	-9,693.22	777.74	Last MWD Svy @ 22160.00' MD
22,223.87	12,251.05	-9,756.78	783.98	LTP 100' HLC @ 22224'MD
22,257.39	12,251.22	-9,790.14	787.26	Exit 50' L/R @ 22257'MD
22,265.00	12,251.26	-9,797.71	788.00	Projection to TD @ 22265.00' MD

HALLIBURTON**Design Report for Llama Mall 26-35 Fed Com 33H - Final Surveys****Vertical Section Information**

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (usft)	Origin +E/_W (usft)	Start TVD (usft)
Target	Llama Mall 33H PBHL	175.71	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
11.00	939.00	Surface (adjusted from 14' KB)	3_MWD+HRGM+MS+Sag
1,114.00	11,306.00	Intermediate	Superior
11,385.00	22,160.00	Production	MWD+IFR1+SAG+FDIR
			Superior
			MWD+IFR1+SAG+FDIR
22,180.00	22,265.00	PTD	3_Blind

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Llama Mall 33H FTP ()	0.00	0.00	12,112.30	607.05	665.81	498,914.30	752,905.39	32° 22' 11.003 N	103° 38' 53.063 W
- actual wellpath misses target center by 324.29usft at 12012.29usft MD (11884.88 TVD, 382.48 N, 610.92 E)									
- Point									
Llama Mall 33H LTP ()	0.00	0.00	12,282.88	-9,757.26	737.03	488,549.99	752,976.61	32° 20' 28.442 N	103° 38' 53.006 W
- actual wellpath misses target center by 56.59usft at 22219.92usft MD (12251.03 TVD, -9752.85 N, 783.60 E)									
- Point									
Llama Mall 33H PBHL ()	0.00	0.00	12,284.42	-9,837.26	737.57	488,469.99	752,977.15	32° 20' 27.651 N	103° 38' 53.005 W
- actual wellpath misses target center by 72.16usft at 22265.00usft MD (12251.26 TVD, -9797.71 N, 788.00 E)									
- Point									

Directional Difficulty Index

Average Dogleg over Survey:	1.43 °/100ft	Maximum Dogleg over Survey:	18.27 °/100ft at 12,792.00 usft
Net Tortousity applicable to Plans:	0.72 °/100ft	Directional Difficulty Index:	6.816

HALLIBURTON

Design Report for Llama Mall 26-35 Fed Com 33H - Final Surveys

Audit Info

HALLIBURTON**North Reference Sheet for Llama Mall Pad (22S-32E-Sec 26) - Llama Mall 26-35 Fed Com 33H - OH**

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 3691ft + RKB 25ft @ 3716.00usft (Patterson 882). Northing and Easting are relative to Llama Mall 26-35 Fed Com 33H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is 104° 20' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:0° 0' 0.000 N°

False Easting: 541,337.50usft, False Northing: 0.00usft, Scale Reduction: 0.99996003

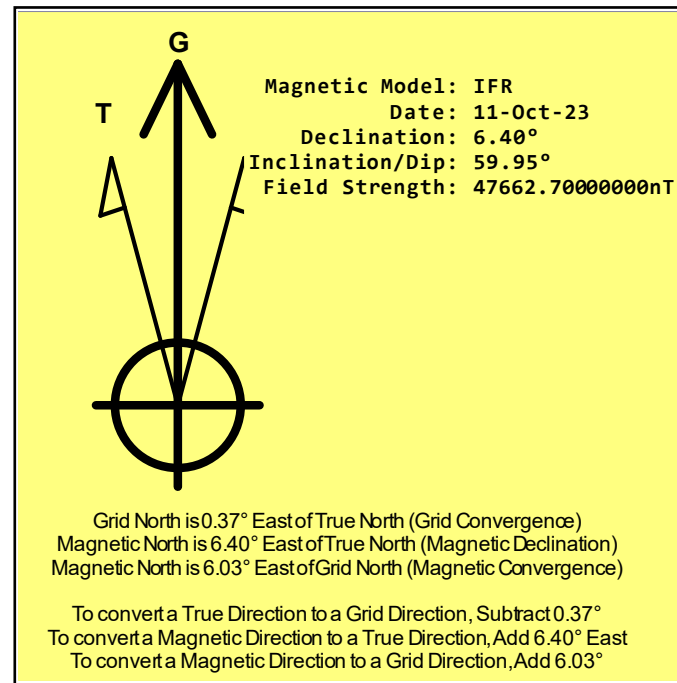
Grid Coordinates of Well: 498,307.25 usft N, 752,239.58 usft E

Geographical Coordinates of Well: 32° 22' 5.038 N, 103° 39' 0.871 W

Grid Convergence at Surface is: 0.37°

Based upon Minimum Curvature type calculations, at a Measured Depth of 22,265.00usft
the Bottom Hole Displacement is 9,829.35usft in the Direction of 175.40° (Grid).

Magnetic Convergence at surface is: -6.03° (11 October 2023, , IFR)



C-105 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
--	---	----------------------

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Section 1 - Operator and Well Information

Submittal Type: ☒ New Well ☐ Workover ☐ Deepening ☐ Plugback ☐ Different Reservoir ☐ C-144 Closure Attachment ☐ Other	
Operator Name: OXY USA INC	OGRID: 16696
Property Name and Well Number: LLAMA MALL 26-35 FEDERAL COM 33H	Property Code: 332823
Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal	API Number: 30-0 25-50311
Pool Name: WC-025 G-08 S223227D; Upper Wolfcamp	Pool Code: 98286

Section 2 – Well Location

	UI or lot no.	Section	Township	Range	Lot Id	Feet from	N/S Line	Feet from	E/W Line	County
SHL:	D	26	22S	32E		700	FNL	1160	FWL	LEA
BHL	N	35	22S	32E		59	FSL	1881	FWL	LEA

Section 3 – Completion Information

Date T.D. Reached 11/09/23	Total Measured Depth of Well 22265'M	Acid Volume (bbls)	☒ Directional Survey Submitted ☐ Deviation Survey Submitted
Date Rig Released 11/13/23	Plug-Back Measured Depth 22220'M	Completion Fluid Used (bbls) 345789	Were Logs Ran (Y/N) Y
Completion Date 01/28/24	Perforations (MD and TVD) 12329-22127'M/12051-12251'V	Completion Proppant Used (lbs) 24773259#	List Type of Logs Ran if applicable: CBL

Section 4 – Action IDs for Submissions and Order Numbers

Surface Casing Action ID: 248185	UIC Permit/Order (UIC wells only) ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 400176	NOI Recomplete Action ID (if applicable):
Intermediate 2 Casing Action ID: 400176	NOI Plugback Action ID (if applicable):
Production Casing Action ID: 375636	Cement Squeeze Action ID (if applicable):
Tubing Action ID: 456798	All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No
Liner 1 Action ID:	Casing was installed prior to Action ID system (Y/N): N

Section 5 – Test Data

Date First Production 01/30/24	Production Method Gas lift	Well Status Producing	Gas – Oil Ratio 1598
Date of Test 02/18/2024	Choke Size 66	Flowing Tubing Pressure	Casing Pressure 781
24 hr Oil (bbls) 3324	24 hr Gas (MCF) 5312	24 hr Water (bbls) 3689	Oil Gravity - API
Disposition of Gas: sold			

Section 6 – Pits

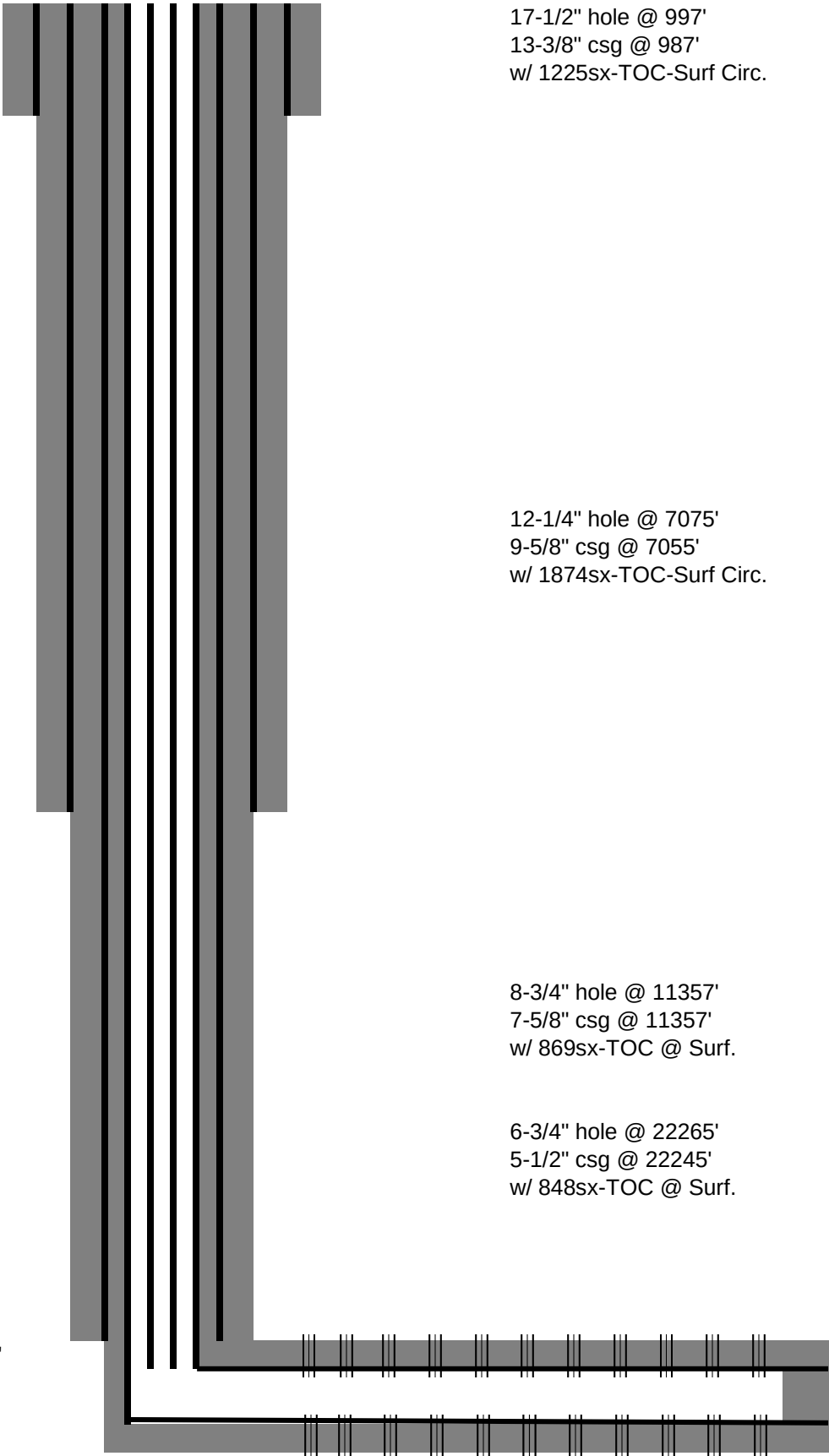
☐ A temporary pit was used at the well. If so, attach a plat with the location of the temporary pit.
☒ A Closed Loop System was used.
☐ If an on-site burial was used at the well, report the exact location of the on-site burial: LAT: LONG:

Section 7 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well’s completion.	
☒ I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well’s completion.	
☒ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	
Name Jana Mendiola	Jana Mendiola
Title Regulatory Advisor	Date 04/29/25

South Formations				North Formations			
Formation/Zone	MD	TVD	W/O/G	Formation/Zone	MD	TVD	W/O/G
T. Anhy	922	922	W	T. San Jose			
T. Salt	1375	1375		T. Nacimiento			
B. Salt	2958	2949		T. Ojo Alamo			
T. Yates				T. Kirtland			
T. 7 Rivers				T. Fruitland			
T. Queen				T. Pictured Cliffs			
T. Grayburg				T. Lewis Shale			
T. San Andres				T. Chacra			
T. Glorieta				T. Cliff House			
T. Yeso				T. Menefee			
T. Paddock				T. Point Lookout			
T. Blinebry				T. Mancos			
T.Tubb				T. Gallup			
T. Drinkard				T. Greenhorn			
T. Abo				T. Graneros			
T. Wolfcamp	11887	11797	o/g	T. Dakota			
T. Penn				T. Morrison			
T. Cisco				T. Bluff			
T. Canyon				T.Todilto			
T. Strawn				T. Entrada			
T. Atoka				T. Wingate			
T. Morrow				T. Chinle			
T. Barnett Shale				T. Permian			
T. Miss				T. Penn A"			
T. Woodford Shale				T. Penn. "B"			
T. Devonian				T. Penn. "C"			
T. Silurian				T. Penn. "D"			
T. Fusselman				T. Leadville			
T. Montoya				T. Madison			
T. Simpson				T. Elbert			
T. McKee				T. McCracken			
T. Waddell				T. Ignacio Otzte			
T. Connel				T. Granite			
T. Ellenburger				T. Hermosa			
T. Gr. Wash				T. De Chelly			
T. Delaware Sand				T. Pinkerton			
T. Lamar Lime	4790	4772	o/g				
T. Bell Canyon	4881	4864	o/g				
T. Cherry Canyon	5698	5678	o/g				
T. Brushy Canyon	6938	6914	o/g				
T. Bone Springs	8581	8546	o/g				
T. 1st BS Sand	9722	9683	o/g				
T. 2nd BS Carbonate							
T. 2nd BS Sand	10323	10285	o/g				
T. 3rd BS Carbonate							
T. 3rd BS Sand	11497	11455	o/g				

OXY USA Inc.
LLAMA MALL 26-35 FEDERAL COM 33H
API No. 30-025-50311



17-1/2" hole @ 997'
13-3/8" csg @ 987'
w/ 1225sx-TOC-Surf Circ.

12-1/4" hole @ 7075'
9-5/8" csg @ 7055'
w/ 1874sx-TOC-Surf Circ.

8-3/4" hole @ 11357'
7-5/8" csg @ 11357'
w/ 869sx-TOC @ Surf.

6-3/4" hole @ 22265'
5-1/2" csg @ 22245'
w/ 848sx-TOC @ Surf.

2-3/8" tbg & gas lift @ 11872'

Perfs @ 12329-22127' TD- 22265'M 12251'V

Well Name: LLAMA MALL 26-35 FEDERAL COM	Well Location: T22S / R32E / SEC 26 / LOT 4 /	County or Parish/State: /
Well Number: 33H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM086149	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002550311	Well Status: Producing Oil Well	Operator: OXY USA INCORPORATED

Subsequent Report

Sundry ID: 2776852

Type of Submission: Subsequent Report

Date Sundry Submitted: 02/27/2024

Date Operation Actually Began: 01/04/2024

Type of Action: Workover Operations

Time Sundry Submitted: 09:04

Actual Procedure: RUPU 01/04/24, RIH & clean out to PBTD @ 22220', pressure test casing to 6152# for 30 min, good test. RIH & perf @ 12329-22127' Total 2322 holes. Frac in 36 stages w/ 335837BBL Produced Water + 9952BBL Brackish Water (> 1,000 mg/I TDS and 10,000 mg/I TDS) w/24773259# sand, RD Liberty 01/19/24. Well ready to produce 01/28/24. OXY USA Inc. requests a tubing exception while continuing to flow back this well. The estimated date of tubing install is 04/30/2024.

Well Name: LLAMA MALL 26-35 FEDERAL COM	Well Location: T22S / R32E / SEC 26 / LOT 4 /	County or Parish/State: /
Well Number: 33H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM086149	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002550311	Well Status: Producing Oil Well	Operator: OXY USA INCORPORATED

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: JANA MENDIOLA	Signed on: FEB 27, 2024 09:04 AM
Name: OXY USA INCORPORATED	
Title: Regulatory Coordinator	
Street Address: PO BOX 50250	
City: Midland	State: TX
Phone: (432) 685-5936	
Email address: Janalyn_mendiola@oxy.com	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 03/06/2024
Signature: Jonathon Shepard	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 457319

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 457319
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
☒	I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 457319

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 457319
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 within 10 days of BLM Approval.	5/15/2025