

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: <input type="checkbox"/> Test Allowable (C-104RT) <input checked="" type="checkbox"/> New Well (C-104NW) <input type="checkbox"/> Recomplete (C-104RC) <input type="checkbox"/> Pay Add (C-104RC) <input type="checkbox"/> Amended	
Operator Name: OXY USA INC	OGRID: 16696
Property Name and Well Number: LLAMA MALL 26-35 FEDERAL COM 32H	Property Code: 332823
Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal	API Number: 30-0 25-50310
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	1125 FWL	32.36806664	-103.65035529	LEA

Section 3 – Completion Information

Producing Method	Ready Date	Perforations MD	Perforations TVD
Gas Lift	01/28/24	12177-21813' MD	11917-12130' 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): NA	Communitization Agreement <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Surface Casing Action ID: NA	Unit: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Intermediate 1 Casing Action ID: NA	Compulsory Pooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Intermediate 2 Casing Action ID: NA	Down Hole Commingling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Production Casing Action ID: NA	Surface Commingling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No. PLC-767
All casing was pressure tested in accordance with NMAC <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Non-standard Location: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Common ownership Order No.
Liner 1 Action ID: NA	Non-standard Proration: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N): N	Simultaneous Dedication: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.

Section 5 - Operator Signature and Certification

<input checked="" type="checkbox"/> I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
<input checked="" type="checkbox"/> I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
<input checked="" type="checkbox"/> 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 02/04/26

SHL (NAD83)
 X:752204.58' / Y:498307.25'
 LAT:32.36806664 / LON:-103.65035529

SHL (NAD27)
 X:711021.91' / Y:498246.88'
 LAT:32.36794354 / LON:-103.64986945

KOP (NAD83)
 X:752165.64' / Y:498967.62'
 LAT:32.36988267 / LON:-103.65046772

KOP (NAD27)
 X:710982.99' / Y:498907.32'
 LAT:32.36975957 / LON:-103.64998182

PPP-1/FTP (NAD83)
 X:752198.50' / Y:498514.40'
 LAT:32.36863634 / LON:-103.65037067

PPP-1/FTP (NAD27)
 X:711015.84' / Y:498454.10'
 LAT:32.36851324 / LON:-103.64988481

PPP-2 (NAD83)
 X:752189.77' / Y:493724.44'
 LAT:32.35547058 / LON:-103.65049790

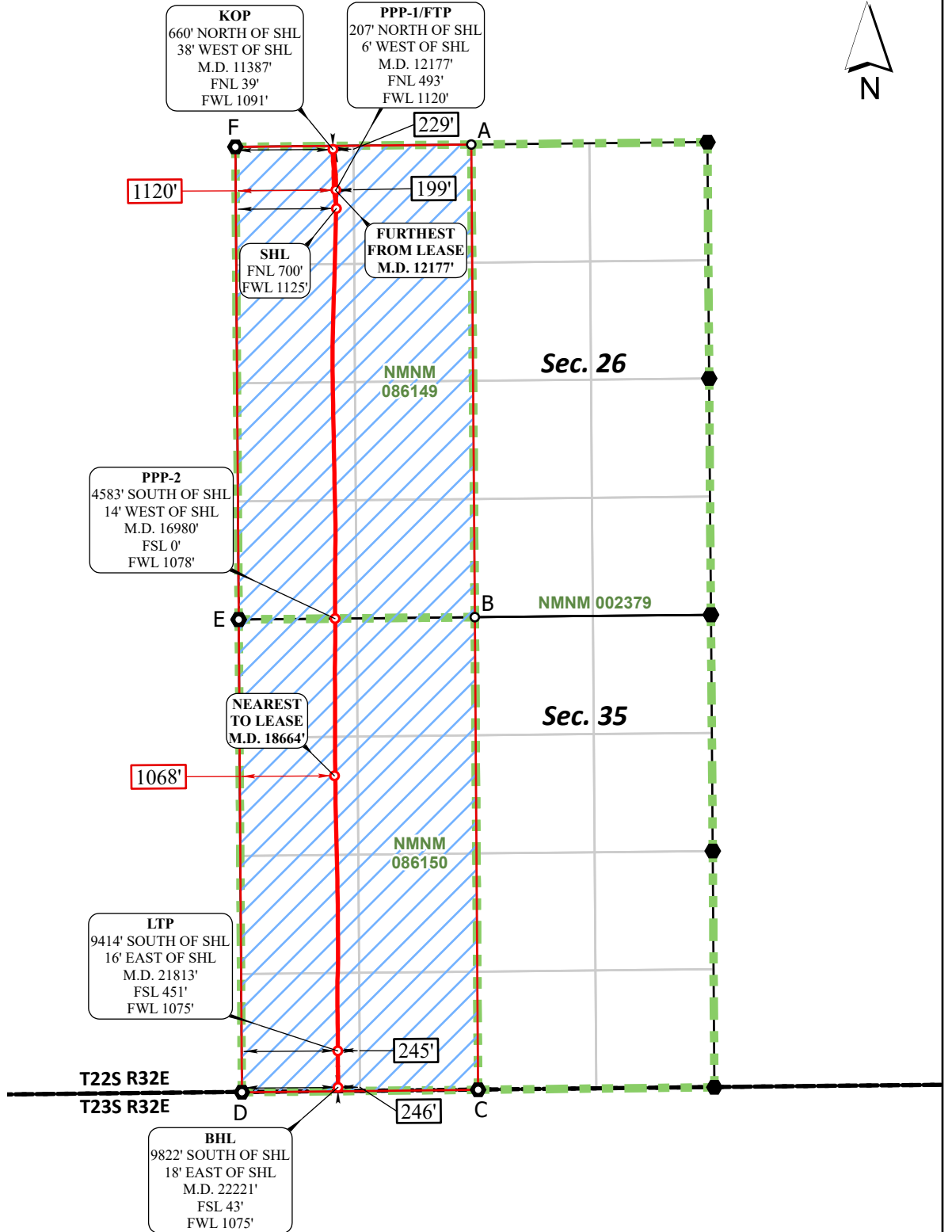
PPP-2 (NAD27)
 X:711006.99' / Y:493664.28'
 LAT:32.35534743 / LON:-103.65001252

LTP (NAD83)
 X:752219.71' / Y:488893.42'
 LAT:32.34219124 / LON:-103.65050072

LTP (NAD27)
 X:711036.80' / Y:488833.40'
 LAT:32.34206804 / LON:-103.65001581

BHL (NAD83)
 X:752221.93' / Y:488485.50'
 LAT:32.34106996 / LON:-103.65050195

BHL (NAD27)
 X:711039.01' / Y:488425.49'
 LAT:32.34094676 / LON:-103.65001708



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	4790.79'
NMNM 086150	4831.61'
TOTAL	9622.40'



○ 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. 20261505
 REV 2 NDS 1/28/2026

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



FINAL Plan Vs Actual

Project: Lea County, NM (NAD83)
Site: Llama Mall Pad (22S-32E-Sec 26)
Well: Llama Mall 26-35 Fed Com 32H
Wellbore: OH
Design: Plan 2
Rig: Patterson 882

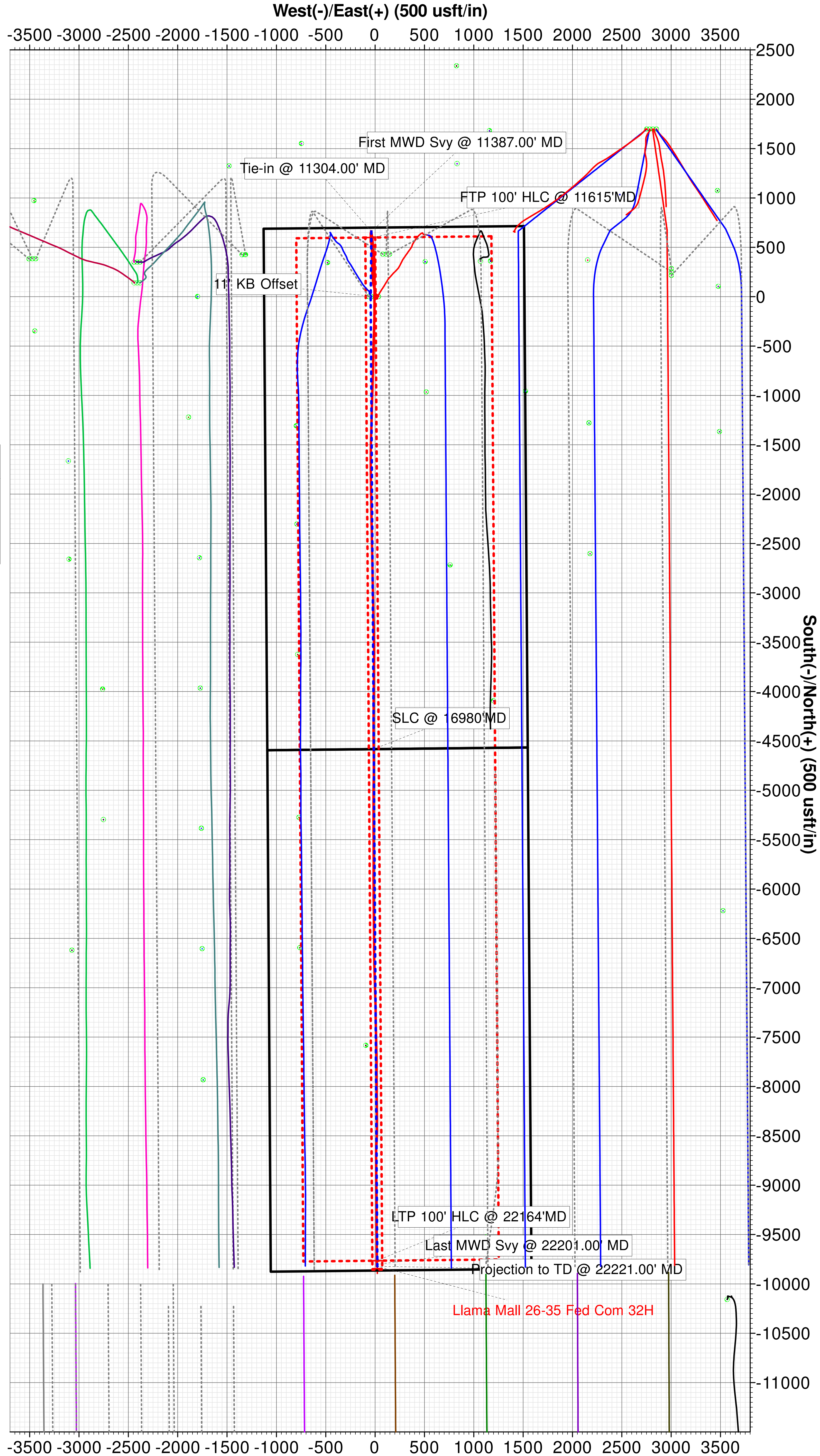
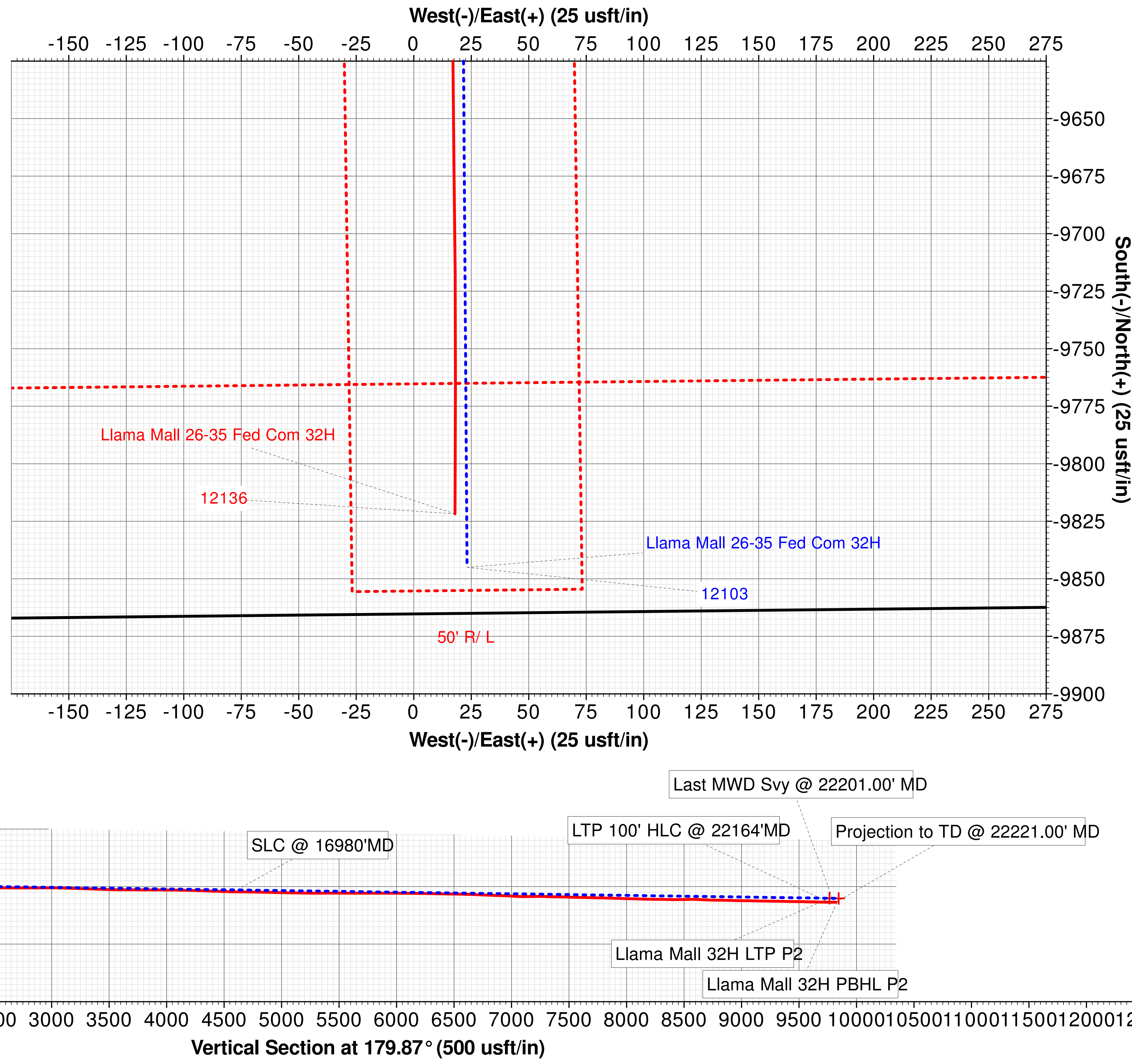
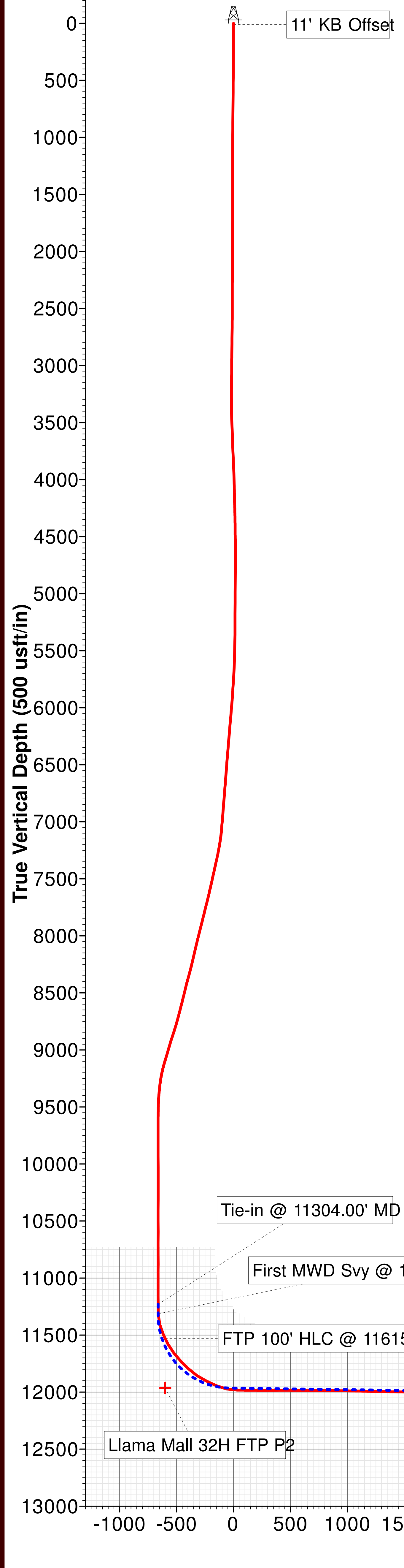
Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone

Azimuths to Grid North
True North: -0.37°
Magnetic North: 6.04°
Magnetic Field
Strength: 47663.9nT
Dip Angle: 59.95°
Date: 10/4/2023
Model: IFR

WELL DETAILS table with columns: +N/-S, +E/-W, Northing, Easting, Latitude, Longitude. Values: 0.00, 0.00, 498307.25, 752204.00, 32° 22' 5.041 N, 103° 39' 1.286 W

SECTION DETAILS table with columns: MD, Inc, Azi, TVD, +N/-S, +E/-W, VSect, Departure, Annotation. Includes entries for 11' KB Offset, Tie-in @ 11304.00' MD, First MWD Svy @ 11387.00' MD, FTP 100' HLC @ 11615' MD, SLC @ 16980' MD, LTP 100' HLC @ 22164' MD, Last MWD Svy @ 22201.00' MD, Projection to TD @ 22221.00' MD

DESIGN TARGET DETAILS table with columns: Name, TVD, +N/-S, +E/-W, Northing, Easting, Latitude, Longitude. Lists Llama Mall 32H FTP P2, Llama Mall 32H LTP P2, Llama Mall 32H PBHL P2



Job# 908822195
Patterson 882

Occidental Petroleum Corporation

Lea County, NM (NAD83) Llama Mall Pad (22S-32E-Sec 26)

API# 30-025-50310

Llama Mall 26-35 Fed Com 32H

OH

Design: Final Surveys

Sperry Drilling Services

Combo Report

25 October, 2023

Well Coordinates: 32° 22' 5.041 N
103° 39' 1.286 W

North American Datum 1983
New Mexico Eastern Zone
498,307.25 N
752,204.00 E

Ground Level: 3,686.00 usft

Local Coordinate Origin:

Centered on Well Llama Mall 26-35 Fed Com 32H
GL 3686ft + RKB 25ft @ 3711.00usft (Patterson 882)

Viewing Datum:

TVDs to System:

N

North Reference:

Grid

Unit System:

API-US Survey Feet

Compass Version: 5000.15 Build: 91E

Report Version: Midcon Combo v1.15

HALLIBURTON



Design Report for Llama Mall 26-35 Fed Com 32H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing	Easting	Northing	Easting				
0.00	0.00	0.00	0.00	0.00 N	0.00 E	498,307.25	752,204.00	0.00	0.00	0.00	
11.00	0.00	0.00	11.00	0.00 N	0.00 E	498,307.25	752,204.00	0.00	0.00	0.00	11' KB Offset
171.00	0.43	309.10	171.00	0.38 N	0.47 W	498,307.63	752,203.53	0.27	-0.38	309.10	
258.00	0.52	308.10	258.00	0.83 N	1.03 W	498,308.08	752,202.97	0.10	-0.83	-5.76	
345.00	0.48	319.10	344.99	1.35 N	1.58 W	498,308.60	752,202.42	0.12	-1.35	118.06	
433.00	0.53	329.25	432.99	1.98 N	2.03 W	498,309.23	752,201.97	0.12	-1.98	65.94	
520.00	0.51	338.87	519.99	2.68 N	2.37 W	498,309.93	752,201.63	0.10	-2.69	107.68	
607.00	0.48	346.05	606.98	3.40 N	2.60 W	498,310.65	752,201.40	0.08	-3.40	119.37	
694.00	0.41	354.51	693.98	4.06 N	2.72 W	498,311.31	752,201.28	0.11	-4.07	140.99	
781.00	0.45	355.10	780.98	4.71 N	2.78 W	498,311.96	752,201.22	0.05	-4.72	6.61	
868.00	0.49	347.18	867.97	5.41 N	2.89 W	498,312.66	752,201.11	0.09	-5.42	-62.38	
929.00	0.47	359.25	928.97	5.92 N	2.95 W	498,313.17	752,201.05	0.17	-5.93	107.18	
1,113.00	0.44	28.46	1,112.97	7.29 N	2.62 W	498,314.54	752,201.38	0.13	-7.30	111.82	
1,207.00	0.28	155.20	1,206.97	7.40 N	2.36 W	498,314.65	752,201.64	0.69	-7.41	159.73	
1,300.00	0.38	117.58	1,299.96	7.05 N	1.99 W	498,314.30	752,202.01	0.25	-7.06	-84.83	
1,394.00	0.55	48.94	1,393.96	7.21 N	1.37 W	498,314.46	752,202.63	0.58	-7.21	-109.33	
1,488.00	0.15	174.27	1,487.96	7.38 N	1.02 W	498,314.63	752,202.98	0.69	-7.38	169.12	
1,583.00	0.58	111.60	1,582.96	7.08 N	0.56 W	498,314.33	752,203.44	0.56	-7.08	-77.28	
1,678.00	0.43	34.42	1,677.96	7.20 N	0.09 E	498,314.45	752,204.09	0.67	-7.20	-139.13	
1,773.00	0.19	356.91	1,772.95	7.65 N	0.28 E	498,314.90	752,204.28	0.32	-7.65	-157.50	
1,867.00	0.67	54.64	1,866.95	8.12 N	0.72 E	498,315.37	752,204.72	0.63	-8.12	73.51	
1,962.00	0.08	21.67	1,961.95	8.50 N	1.20 E	498,315.75	752,205.20	0.64	-8.50	-175.87	
2,057.00	0.17	117.48	2,056.95	8.50 N	1.35 E	498,315.75	752,205.35	0.21	-8.50	119.89	
2,151.00	0.66	30.86	2,150.95	8.90 N	1.75 E	498,316.15	752,205.75	0.71	-8.90	-101.25	
2,246.00	0.53	24.69	2,245.94	9.77 N	2.22 E	498,317.02	752,206.22	0.15	-9.77	-156.83	
2,340.00	0.80	70.08	2,339.94	10.39 N	3.01 E	498,317.64	752,207.01	0.61	-10.38	86.80	
2,434.00	0.26	68.35	2,433.93	10.69 N	3.83 E	498,317.94	752,207.83	0.57	-10.68	-179.17	
2,528.00	0.58	93.54	2,527.93	10.74 N	4.50 E	498,317.99	752,208.50	0.39	-10.73	42.99	
2,622.00	0.84	39.87	2,621.92	11.24 N	5.42 E	498,318.49	752,209.42	0.73	-11.23	-96.94	
2,716.00	0.97	41.63	2,715.91	12.36 N	6.39 E	498,319.61	752,210.39	0.14	-12.35	12.95	
2,810.00	0.83	35.58	2,809.90	13.51 N	7.31 E	498,320.76	752,211.31	0.18	-13.49	-148.83	
2,905.00	0.91	35.33	2,904.89	14.69 N	8.15 E	498,321.94	752,212.15	0.08	-14.67	-2.84	
2,999.00	1.02	74.98	2,998.88	15.51 N	9.39 E	498,322.76	752,213.39	0.70	-15.49	100.84	
3,093.00	1.45	67.26	3,092.85	16.19 N	11.30 E	498,323.44	752,215.30	0.49	-16.16	-25.04	
3,187.00	1.57	60.23	3,186.82	17.29 N	13.51 E	498,324.54	752,217.51	0.23	-17.26	-60.61	
3,280.00	1.01	90.66	3,279.80	17.91 N	15.44 E	498,325.16	752,219.44	0.93	-17.88	143.81	



Design Report for Llama Mall 26-35 Fed Com 32H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing	Easting	Northing	Easting				
3,375.00	1.39	116.04	3,374.78	17.40 N	17.31 E	498,324.65	752,221.31	0.68	-17.36	67.57	
3,470.00	2.22	176.62	3,469.74	15.05 N	18.45 E	498,322.30	752,222.45	2.06	-15.01	98.79	
3,564.00	1.92	162.81	3,563.68	11.73 N	19.02 E	498,318.98	752,223.02	0.62	-11.69	-127.80	
3,659.00	2.10	171.28	3,658.62	8.49 N	19.76 E	498,315.74	752,223.76	0.37	-8.44	63.07	
3,754.00	2.47	183.46	3,753.54	4.73 N	19.90 E	498,311.98	752,223.90	0.64	-4.68	58.89	
3,849.00	2.53	177.67	3,848.45	0.59 N	19.86 E	498,307.84	752,223.86	0.27	-0.54	-79.54	
3,944.00	1.94	186.17	3,943.38	3.11 S	19.77 E	498,304.14	752,223.77	0.71	3.15	154.87	
4,039.00	1.85	210.34	4,038.33	6.03 S	18.83 E	498,301.22	752,222.83	0.84	6.07	108.41	
4,134.00	1.50	219.00	4,133.29	8.32 S	17.27 E	498,298.93	752,221.27	0.45	8.36	148.40	
4,228.00	1.80	190.65	4,227.25	10.72 S	16.22 E	498,296.53	752,220.22	0.91	10.76	-84.37	
4,323.00	1.21	158.83	4,322.22	13.13 S	16.31 E	498,294.12	752,220.31	1.05	13.16	-140.42	
4,418.00	0.42	132.62	4,417.21	14.30 S	16.93 E	498,292.95	752,220.93	0.90	14.34	-167.45	
4,513.00	1.38	138.94	4,512.20	15.40 S	17.93 E	498,291.85	752,221.93	1.01	15.44	9.07	
4,608.00	1.15	115.85	4,607.17	16.67 S	19.54 E	498,290.58	752,223.54	0.58	16.72	-125.54	
4,702.00	0.68	348.51	4,701.17	16.54 S	20.28 E	498,290.71	752,224.28	1.76	16.59	-160.91	
4,797.00	0.59	355.42	4,796.16	15.50 S	20.13 E	498,291.75	752,224.13	0.12	15.55	143.03	
4,892.00	0.23	82.14	4,891.16	14.98 S	20.28 E	498,292.27	752,224.28	0.65	15.03	158.29	
4,987.00	0.09	285.94	4,986.16	14.94 S	20.40 E	498,292.31	752,224.40	0.33	14.99	-173.37	
5,082.00	0.66	349.85	5,081.16	14.38 S	20.23 E	498,292.87	752,224.23	0.66	14.43	71.33	
5,177.00	0.24	285.33	5,176.16	13.79 S	19.94 E	498,293.46	752,223.94	0.63	13.83	-158.74	
5,270.00	0.21	274.46	5,269.15	13.72 S	19.58 E	498,293.53	752,223.58	0.06	13.77	-130.45	
5,365.00	0.89	341.94	5,364.15	13.01 S	19.18 E	498,294.24	752,223.18	0.88	13.05	80.95	
5,460.00	1.62	312.58	5,459.13	11.40 S	17.96 E	498,295.85	752,221.96	1.00	11.44	-56.69	
5,555.00	2.60	302.28	5,554.06	9.34 S	15.15 E	498,297.91	752,219.15	1.10	9.37	-26.35	
5,649.00	3.37	327.52	5,647.94	5.87 S	11.87 E	498,301.38	752,215.87	1.60	5.90	72.65	
5,744.00	3.79	342.73	5,742.75	0.52 S	9.43 E	498,306.73	752,213.43	1.09	0.54	73.86	
5,839.00	3.59	337.83	5,837.56	5.24 N	7.38 E	498,312.49	752,211.38	0.39	-5.22	-124.81	
5,934.00	4.67	353.69	5,932.31	11.84 N	5.83 E	498,319.09	752,209.83	1.64	-11.82	54.70	
6,028.00	4.79	351.95	6,025.99	19.53 N	4.86 E	498,326.78	752,208.86	0.20	-19.51	-50.96	
6,123.00	5.02	349.64	6,120.65	27.54 N	3.56 E	498,334.79	752,207.56	0.32	-27.53	-41.81	
6,218.00	5.07	348.83	6,215.28	35.75 N	2.00 E	498,343.00	752,206.00	0.09	-35.74	-55.34	
6,313.00	4.74	352.46	6,309.93	43.76 N	0.67 E	498,351.01	752,204.67	0.48	-43.76	138.55	
6,408.00	4.71	352.56	6,404.61	51.52 N	0.35 W	498,358.77	752,203.65	0.03	-51.52	164.70	
6,502.00	4.53	347.20	6,498.30	58.96 N	1.67 W	498,366.21	752,202.33	0.50	-58.97	-115.29	
6,597.00	4.75	345.32	6,592.99	66.43 N	3.50 W	498,373.68	752,200.50	0.28	-66.43	-35.59	
6,691.00	4.46	347.99	6,686.69	73.77 N	5.25 W	498,381.02	752,198.75	0.38	-73.78	144.85	
6,787.00	4.86	348.84	6,782.37	81.41 N	6.81 W	498,388.66	752,197.19	0.42	-81.42	10.22	



Design Report for Llama Mall 26-35 Fed Com 32H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing	Easting	Northing	Easting				
6,881.00	4.53	350.71	6,876.05	88.98 N	8.18 W	498,396.23	752,195.82	0.39	-89.00	156.05	
6,965.00	4.76	348.42	6,959.78	95.67 N	9.42 W	498,402.92	752,194.58	0.35	-95.69	-40.02	
7,073.00	5.02	344.47	7,067.38	104.61 N	11.58 W	498,411.86	752,192.42	0.39	-104.63	-54.30	
7,167.00	8.76	348.76	7,160.69	115.59 N	14.08 W	498,422.84	752,189.92	4.01	-115.63	9.97	
7,262.00	11.04	350.09	7,254.27	131.65 N	17.05 W	498,438.90	752,186.95	2.41	-131.69	6.38	
7,357.00	12.69	353.68	7,347.24	150.99 N	19.77 W	498,458.24	752,184.23	1.90	-151.03	25.87	
7,452.00	12.84	355.64	7,439.89	171.88 N	21.72 W	498,479.13	752,182.28	0.48	-171.93	71.85	
7,546.00	12.24	354.56	7,531.65	192.22 N	23.46 W	498,499.47	752,180.54	0.69	-192.27	-159.18	
7,641.00	13.66	355.88	7,624.23	213.43 N	25.22 W	498,520.68	752,178.78	1.53	-213.49	12.41	
7,736.00	13.70	355.92	7,716.53	235.84 N	26.82 W	498,543.09	752,177.18	0.04	-235.90	13.33	
7,830.00	13.98	357.59	7,807.81	258.29 N	28.09 W	498,565.54	752,175.91	0.52	-258.35	55.79	
7,925.00	14.18	358.67	7,899.95	281.39 N	28.85 W	498,588.64	752,175.15	0.35	-281.45	53.25	
8,020.00	14.10	358.93	7,992.07	304.59 N	29.33 W	498,611.84	752,174.67	0.11	-304.66	141.68	
8,114.00	13.44	358.58	8,083.37	326.96 N	29.82 W	498,634.21	752,174.18	0.71	-327.03	-172.98	
8,209.00	13.30	358.32	8,175.80	348.92 N	30.41 W	498,656.17	752,173.59	0.16	-348.99	-156.89	
8,304.00	13.30	358.37	8,268.25	370.76 N	31.04 W	498,678.01	752,172.96	0.01	-370.84	90.02	
8,399.00	16.06	1.30	8,360.14	394.83 N	31.06 W	498,702.08	752,172.94	3.01	-394.90	16.48	
8,493.00	13.47	1.50	8,451.03	418.78 N	30.47 W	498,726.03	752,173.53	2.76	-418.85	178.97	
8,588.00	14.14	1.74	8,543.28	441.44 N	29.83 W	498,748.69	752,174.17	0.71	-441.50	5.00	
8,683.00	14.32	355.94	8,635.37	464.75 N	30.31 W	498,772.00	752,173.69	1.51	-464.82	-85.62	
8,777.00	15.15	352.57	8,726.28	488.53 N	32.72 W	498,795.78	752,171.28	1.27	-488.61	-47.56	
8,872.00	17.67	355.55	8,817.41	515.22 N	35.45 W	498,822.47	752,168.55	2.80	-515.30	19.91	
8,966.00	17.96	357.81	8,906.90	543.93 N	37.11 W	498,851.18	752,166.89	0.80	-544.01	68.32	
9,061.00	15.75	356.90	8,997.81	571.44 N	38.37 W	498,878.69	752,165.63	2.34	-571.53	-173.63	
9,155.00	17.35	1.44	9,087.92	598.19 N	38.70 W	498,905.44	752,165.30	2.19	-598.28	41.14	
9,250.00	13.22	1.79	9,179.54	623.22 N	38.01 W	498,930.47	752,165.99	4.35	-623.31	178.89	
9,345.00	8.31	358.57	9,272.84	640.95 N	37.84 W	498,948.20	752,166.16	5.21	-641.04	-174.60	
9,439.00	5.24	352.05	9,366.17	652.00 N	38.60 W	498,959.25	752,165.40	3.36	-652.09	-169.16	
9,534.00	2.57	0.36	9,460.95	658.42 N	39.19 W	498,965.67	752,164.81	2.87	-658.52	172.16	
9,629.00	0.66	7.90	9,555.90	661.10 N	39.10 W	498,968.35	752,164.90	2.02	-661.19	177.41	
9,723.00	0.23	265.24	9,649.90	661.62 N	39.21 W	498,968.87	752,164.79	0.79	-661.71	-162.47	
9,818.00	0.04	248.70	9,744.90	661.59 N	39.44 W	498,968.84	752,164.56	0.20	-661.68	-176.60	
9,913.00	0.06	215.76	9,839.90	661.54 N	39.50 W	498,968.79	752,164.50	0.04	-661.63	-72.39	
10,007.00	0.06	228.72	9,933.90	661.46 N	39.56 W	498,968.71	752,164.44	0.01	-661.56	96.48	
10,102.00	0.09	156.79	10,028.90	661.36 N	39.57 W	498,968.61	752,164.43	0.10	-661.45	-110.56	
10,197.00	0.05	249.29	10,123.90	661.28 N	39.58 W	498,968.53	752,164.42	0.11	-661.37	151.55	
10,291.00	0.07	45.68	10,217.90	661.31 N	39.58 W	498,968.56	752,164.42	0.13	-661.40	166.20	



Design Report for Llama Mall 26-35 Fed Com 32H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing	Easting	Northing	Easting				
10,385.00	0.04	13.37	10,311.90	661.38 N	39.53 W	498,968.63	752,164.47	0.04	-661.47	-149.43	
10,480.00	0.03	302.32	10,406.90	661.42 N	39.54 W	498,968.67	752,164.46	0.04	-661.51	-136.84	
10,575.00	0.05	130.05	10,501.90	661.41 N	39.53 W	498,968.66	752,164.47	0.08	-661.50	-175.17	
10,669.00	0.01	253.94	10,595.90	661.38 N	39.51 W	498,968.63	752,164.49	0.06	-661.47	171.50	
10,764.00	0.06	6.73	10,690.90	661.43 N	39.51 W	498,968.68	752,164.49	0.07	-661.52	121.00	
10,859.00	0.07	194.18	10,785.90	661.42 N	39.52 W	498,968.67	752,164.48	0.14	-661.51	-175.99	
10,953.00	0.08	72.29	10,879.90	661.39 N	39.47 W	498,968.64	752,164.53	0.14	-661.48	-148.82	
11,048.00	0.24	32.85	10,974.90	661.57 N	39.30 W	498,968.82	752,164.70	0.20	-661.66	-55.36	
11,142.00	0.05	69.12	11,068.90	661.75 N	39.15 W	498,969.00	752,164.85	0.21	-661.84	171.57	
11,237.00	0.39	130.02	11,163.90	661.56 N	38.87 W	498,968.81	752,165.13	0.39	-661.65	67.71	
11,304.00	0.25	123.95	11,230.90	661.33 N	38.57 W	498,968.58	752,165.43	0.21	-661.42	-169.41	Tie-in @ 11304.00' MD
11,319.00	0.38	150.58	11,245.90	661.27 N	38.52 W	498,968.52	752,165.48	1.27	-661.36	62.66	7 5/8" Casing
11,387.00	1.19	175.86	11,313.89	660.37 N	38.36 W	498,967.62	752,165.64	1.27	-660.46	36.03	First MWD Svy @ 11387.00' MD
11,481.00	14.97	173.19	11,406.73	647.28 N	36.84 W	498,954.53	752,167.16	14.66	-647.36	-2.90	
11,576.00	24.10	170.55	11,496.17	615.90 N	32.19 W	498,923.15	752,171.81	9.65	-615.97	-6.78	
11,614.66	26.08	172.14	11,531.18	599.69 N	29.73 W	498,906.94	752,174.27	5.42	-599.76	19.55	FTP 100' HLC @ 11615'MD
11,670.00	28.95	174.07	11,580.26	574.31 N	26.69 W	498,881.56	752,177.31	5.42	-574.37	18.10	
11,765.00	38.26	175.98	11,659.30	521.98 N	22.24 W	498,829.23	752,181.76	9.86	-522.03	7.28	
11,860.00	43.06	173.74	11,731.35	460.36 N	16.64 W	498,767.61	752,187.36	5.28	-460.40	-17.77	
11,954.00	47.86	173.44	11,797.26	393.80 N	9.15 W	498,701.05	752,194.85	5.11	-393.82	-2.66	
12,049.00	56.19	179.67	11,855.70	319.17 N	4.89 W	498,626.42	752,199.11	10.17	-319.18	32.49	
12,144.00	63.71	180.99	11,903.24	237.00 N	5.40 W	498,544.25	752,198.60	8.01	-237.01	8.98	
12,238.00	65.89	179.41	11,943.26	151.96 N	5.69 W	498,459.21	752,198.31	2.77	-151.97	-33.60	
12,333.00	77.72	180.81	11,972.87	61.87 N	5.90 W	498,369.12	752,198.10	12.53	-61.88	6.65	
12,427.00	90.29	179.67	11,982.67	31.43 S	6.28 W	498,275.82	752,197.72	13.43	31.41	-5.22	
12,470.00	89.41	179.71	11,982.78	74.42 S	6.04 W	498,232.83	752,197.96	2.05	74.41	177.40	
12,606.00	89.52	181.50	11,984.05	210.41 S	7.48 W	498,096.84	752,196.52	1.32	210.39	86.49	
12,701.00	90.24	181.50	11,984.25	305.37 S	9.97 W	498,001.88	752,194.03	0.76	305.35	0.00	
12,796.00	90.36	181.73	11,983.75	400.33 S	12.64 W	497,906.92	752,191.36	0.27	400.30	62.45	
12,890.00	89.57	181.41	11,983.81	494.30 S	15.22 W	497,812.95	752,188.78	0.91	494.26	-157.95	
12,985.00	89.33	181.60	11,984.72	589.26 S	17.71 W	497,717.99	752,186.29	0.32	589.22	141.63	
13,079.00	89.30	181.31	11,985.85	683.22 S	20.10 W	497,624.03	752,183.90	0.31	683.17	-95.91	
13,174.00	89.50	181.58	11,986.84	778.19 S	22.50 W	497,529.06	752,181.50	0.35	778.13	53.47	
13,269.00	89.57	181.64	11,987.61	873.15 S	25.17 W	497,434.10	752,178.83	0.10	873.08	40.60	
13,363.00	89.13	181.89	11,988.68	967.10 S	28.06 W	497,340.15	752,175.94	0.54	967.03	150.40	
13,458.00	88.92	181.53	11,990.30	1,062.04 S	30.89 W	497,245.21	752,173.11	0.44	1,061.96	-120.26	



Design Report for Llama Mall 26-35 Fed Com 32H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing	Easting	Northing	Easting				
13,552.00	88.13	181.34	11,992.72	1,155.98 S	33.25 W	497,151.27	752,170.75	0.86	1,155.90	-166.48	
13,647.00	89.13	181.47	11,994.99	1,250.92 S	35.58 W	497,056.33	752,168.42	1.06	1,250.83	7.41	
13,741.00	89.06	181.75	11,996.47	1,344.87 S	38.22 W	496,962.38	752,165.78	0.31	1,344.78	104.04	
13,836.00	88.81	181.69	11,998.24	1,439.81 S	41.07 W	496,867.44	752,162.93	0.27	1,439.71	-166.51	
13,931.00	89.44	180.45	11,999.69	1,534.78 S	42.84 W	496,772.47	752,161.16	1.46	1,534.68	-63.07	
14,026.00	89.73	180.40	12,000.38	1,629.78 S	43.55 W	496,677.47	752,160.45	0.31	1,629.67	-9.78	
14,120.00	88.60	179.72	12,001.75	1,723.77 S	43.64 W	496,583.48	752,160.36	1.40	1,723.66	-148.97	
14,215.00	89.32	179.01	12,003.47	1,818.74 S	42.59 W	496,488.51	752,161.41	1.06	1,818.64	-44.60	
14,310.00	89.72	179.14	12,004.27	1,913.73 S	41.06 W	496,393.52	752,162.94	0.44	1,913.62	18.00	
14,404.00	89.88	179.24	12,004.59	2,007.72 S	39.73 W	496,299.53	752,164.27	0.20	2,007.62	32.01	
14,499.00	89.24	179.16	12,005.32	2,102.70 S	38.40 W	496,204.55	752,165.60	0.68	2,102.61	-172.88	
14,594.00	89.11	179.03	12,006.69	2,197.68 S	36.90 W	496,109.57	752,167.10	0.19	2,197.59	-135.00	
14,689.00	89.24	178.85	12,008.06	2,292.66 S	35.15 W	496,014.59	752,168.85	0.23	2,292.57	-54.16	
14,784.00	89.40	179.02	12,009.19	2,387.63 S	33.38 W	495,919.62	752,170.62	0.25	2,387.55	46.73	
14,879.00	89.28	178.77	12,010.28	2,482.61 S	31.55 W	495,824.64	752,172.45	0.29	2,482.53	-115.64	
14,973.00	89.41	178.98	12,011.36	2,576.58 S	29.70 W	495,730.67	752,174.30	0.26	2,576.51	58.24	
15,068.00	90.18	178.93	12,011.70	2,671.57 S	27.97 W	495,635.68	752,176.03	0.81	2,671.49	-3.72	
15,163.00	89.56	178.79	12,011.91	2,766.55 S	26.08 W	495,540.70	752,177.92	0.67	2,766.48	-167.28	
15,258.00	90.80	179.08	12,011.61	2,861.53 S	24.31 W	495,445.72	752,179.69	1.34	2,861.46	13.16	
15,352.00	90.19	178.86	12,010.80	2,955.51 S	22.62 W	495,351.74	752,181.38	0.69	2,955.45	-160.17	
15,447.00	88.89	178.71	12,011.56	3,050.48 S	20.61 W	495,256.77	752,183.39	1.38	3,050.43	-173.42	
15,542.00	88.03	178.77	12,014.12	3,145.43 S	18.52 W	495,161.82	752,185.48	0.91	3,145.37	176.01	
15,636.00	88.35	178.85	12,017.09	3,239.36 S	16.57 W	495,067.89	752,187.43	0.35	3,239.31	14.03	
15,731.00	88.03	178.89	12,020.09	3,334.29 S	14.70 W	494,972.96	752,189.30	0.34	3,334.25	172.88	
15,825.00	87.47	178.55	12,023.78	3,428.20 S	12.60 W	494,879.05	752,191.40	0.70	3,428.16	-148.76	
15,920.00	88.51	178.71	12,027.11	3,523.11 S	10.33 W	494,784.14	752,193.67	1.11	3,523.07	8.74	
16,014.00	89.80	180.61	12,028.50	3,617.09 S	9.77 W	494,690.16	752,194.23	2.44	3,617.06	55.84	
16,109.00	89.72	180.94	12,028.89	3,712.08 S	11.06 W	494,595.17	752,192.94	0.36	3,712.04	103.63	
16,203.00	90.10	179.84	12,029.04	3,806.08 S	11.70 W	494,501.17	752,192.30	1.24	3,806.04	-70.94	
16,298.00	89.87	181.31	12,029.07	3,901.07 S	12.65 W	494,406.18	752,191.35	1.57	3,901.03	98.89	
16,393.00	88.80	179.74	12,030.17	3,996.05 S	13.52 W	494,311.20	752,190.48	2.00	3,996.01	-124.28	
16,486.00	89.80	180.85	12,031.30	4,089.04 S	14.00 W	494,218.21	752,190.00	1.61	4,089.00	47.99	
16,582.00	88.62	180.15	12,032.63	4,185.03 S	14.84 W	494,122.22	752,189.16	1.43	4,184.98	-149.33	
16,676.00	88.05	180.38	12,035.36	4,278.99 S	15.27 W	494,028.26	752,188.73	0.65	4,278.94	158.04	
16,771.00	87.62	179.89	12,038.95	4,373.92 S	15.50 W	493,933.33	752,188.50	0.69	4,373.87	-131.30	
16,865.00	88.20	179.68	12,042.38	4,467.86 S	15.14 W	493,839.39	752,188.86	0.66	4,467.81	-19.90	
16,960.00	88.86	179.45	12,044.81	4,562.82 S	14.42 W	493,744.43	752,189.58	0.74	4,562.77	-19.21	



Design Report for Llama Mall 26-35 Fed Com 32H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing	Easting	Northing	Easting				
16,979.99	88.96	179.42	12,045.19	4,582.81 S	14.23 W	493,724.44	752,189.77	0.50	4,582.76	-17.28	SLC @ 16980'MD
17,054.00	89.31	179.31	12,046.31	4,656.80 S	13.41 W	493,650.45	752,190.59	0.50	4,656.76	-17.28	
17,149.00	89.25	180.23	12,047.51	4,751.79 S	13.02 W	493,555.46	752,190.98	0.97	4,751.75	93.74	
17,243.00	88.55	180.27	12,049.31	4,845.77 S	13.43 W	493,461.48	752,190.57	0.75	4,845.73	176.73	
17,338.00	88.70	180.56	12,051.59	4,940.74 S	14.12 W	493,366.51	752,189.88	0.34	4,940.70	62.65	
17,433.00	88.89	180.57	12,053.59	5,035.72 S	15.06 W	493,271.53	752,188.94	0.20	5,035.67	3.01	
17,528.00	89.04	180.37	12,055.31	5,130.70 S	15.84 W	493,176.55	752,188.16	0.26	5,130.65	-53.13	
17,622.00	89.09	179.65	12,056.84	5,224.69 S	15.85 W	493,082.56	752,188.15	0.77	5,224.64	-86.03	
17,717.00	89.96	179.75	12,057.63	5,319.68 S	15.36 W	492,987.57	752,188.64	0.92	5,319.63	6.56	
17,812.00	90.96	179.87	12,056.87	5,414.68 S	15.04 W	492,892.57	752,188.96	1.06	5,414.63	6.84	
17,906.00	89.16	179.82	12,056.77	5,508.67 S	14.79 W	492,798.58	752,189.21	1.92	5,508.62	-178.41	
18,001.00	89.83	179.82	12,057.60	5,603.67 S	14.49 W	492,703.58	752,189.51	0.71	5,603.62	0.00	
18,096.00	90.30	180.04	12,057.50	5,698.67 S	14.37 W	492,608.58	752,189.63	0.55	5,698.62	25.08	
18,190.00	90.22	180.46	12,057.07	5,792.67 S	14.78 W	492,514.58	752,189.22	0.45	5,792.61	100.78	
18,285.00	89.64	179.86	12,057.19	5,887.66 S	15.05 W	492,419.59	752,188.95	0.88	5,887.61	-134.03	
18,379.00	89.72	179.37	12,057.71	5,981.66 S	14.42 W	492,325.59	752,189.58	0.53	5,981.61	-80.73	
18,474.00	89.59	180.21	12,058.28	6,076.66 S	14.07 W	492,230.59	752,189.93	0.89	6,076.61	98.80	
18,569.00	89.29	179.65	12,059.21	6,171.65 S	13.95 W	492,135.60	752,190.05	0.67	6,171.60	-118.18	
18,664.00	88.95	179.28	12,060.67	6,266.64 S	13.07 W	492,040.61	752,190.93	0.53	6,266.59	-132.59	
18,759.00	88.58	178.92	12,062.72	6,361.60 S	11.57 W	491,945.65	752,192.43	0.54	6,361.56	-135.80	
18,853.00	89.51	179.58	12,064.28	6,455.58 S	10.34 W	491,851.67	752,193.66	1.21	6,455.54	35.36	
18,948.00	88.47	179.77	12,065.96	6,550.56 S	9.81 W	491,756.69	752,194.19	1.11	6,550.52	169.65	
19,042.00	88.25	179.56	12,068.65	6,644.52 S	9.26 W	491,662.73	752,194.74	0.32	6,644.48	-136.35	
19,137.00	87.40	178.83	12,072.26	6,739.44 S	7.92 W	491,567.81	752,196.08	1.18	6,739.40	-139.38	
19,232.00	88.14	178.32	12,075.95	6,834.34 S	5.56 W	491,472.91	752,198.44	0.95	6,834.31	-34.56	
19,326.00	88.03	178.72	12,079.09	6,928.26 S	3.14 W	491,378.99	752,200.86	0.44	6,928.23	105.39	
19,421.00	86.24	178.37	12,083.84	7,023.10 S	0.73 W	491,284.15	752,203.27	1.92	7,023.08	-168.96	
19,515.00	90.28	177.39	12,086.69	7,116.97 S	2.75 E	491,190.28	752,206.75	4.42	7,116.96	-13.65	
19,610.00	91.11	179.58	12,085.54	7,211.93 S	5.26 E	491,095.32	752,209.26	2.47	7,211.92	69.23	
19,704.00	87.29	178.99	12,086.85	7,305.89 S	6.43 E	491,001.36	752,210.43	4.11	7,305.89	-171.22	
19,799.00	89.67	178.53	12,089.37	7,400.83 S	8.49 E	490,906.42	752,212.49	2.55	7,400.83	-10.94	
19,893.00	87.57	179.25	12,091.64	7,494.78 S	10.31 E	490,812.47	752,214.31	2.36	7,494.78	161.09	
19,988.00	89.26	178.61	12,094.27	7,589.72 S	12.08 E	490,717.53	752,216.08	1.90	7,589.73	-20.74	
20,083.00	88.14	178.71	12,096.42	7,684.67 S	14.30 E	490,622.58	752,218.30	1.18	7,684.68	174.90	
20,177.00	89.24	180.23	12,098.57	7,778.64 S	15.17 E	490,528.61	752,219.17	2.00	7,778.65	54.12	
20,272.00	87.75	179.53	12,101.06	7,873.60 S	15.37 E	490,433.65	752,219.37	1.73	7,873.62	-154.85	
20,366.00	88.61	179.20	12,104.05	7,967.55 S	16.41 E	490,339.70	752,220.41	0.98	7,967.56	-20.99	

HALLIBURTON

Design Report for Llama Mall 26-35 Fed Com 32H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing	Easting	Northing	Easting				
20,460.00	88.48	180.04	12,106.44	8,061.51 S	17.04 E	490,245.74	752,221.04	0.90	8,061.53	98.81	
20,555.00	88.28	178.99	12,109.12	8,156.47 S	17.84 E	490,150.78	752,221.84	1.12	8,156.49	-100.80	
20,650.00	89.71	179.92	12,110.79	8,251.45 S	18.74 E	490,055.80	752,222.74	1.80	8,251.47	33.04	
20,744.00	88.63	179.60	12,112.15	8,345.44 S	19.14 E	489,961.81	752,223.14	1.20	8,345.46	-163.50	
20,839.00	89.82	180.04	12,113.44	8,440.43 S	19.43 E	489,866.82	752,223.43	1.34	8,440.45	20.29	
20,934.00	92.06	183.18	12,111.88	8,535.36 S	16.77 E	489,771.89	752,220.77	4.06	8,535.37	54.48	
21,029.00	86.88	183.60	12,112.76	8,630.16 S	11.15 E	489,677.09	752,215.15	5.47	8,630.16	175.37	
21,123.00	88.03	177.12	12,116.93	8,724.01 S	10.56 E	489,583.24	752,214.56	6.99	8,724.01	-80.08	
21,218.00	89.70	181.25	12,118.82	8,818.96 S	11.91 E	489,488.29	752,215.91	4.69	8,818.96	68.03	
21,312.00	88.28	178.89	12,120.47	8,912.93 S	11.80 E	489,394.32	752,215.80	2.93	8,912.94	-121.06	
21,407.00	89.25	179.42	12,122.52	9,007.90 S	13.20 E	489,299.35	752,217.20	1.16	9,007.91	28.65	
21,502.00	88.84	179.32	12,124.10	9,102.88 S	14.24 E	489,204.37	752,218.24	0.44	9,102.89	-166.30	
21,596.00	89.06	179.74	12,125.83	9,196.86 S	15.02 E	489,110.39	752,219.02	0.50	9,196.87	62.35	
21,691.00	89.13	179.79	12,127.33	9,291.85 S	15.40 E	489,015.40	752,219.40	0.09	9,291.86	35.53	
21,786.00	88.76	180.02	12,129.08	9,386.83 S	15.56 E	488,920.42	752,219.56	0.46	9,386.84	148.14	
21,880.00	89.29	179.36	12,130.68	9,480.82 S	16.07 E	488,826.43	752,220.07	0.90	9,480.83	-51.24	
21,975.00	88.71	179.92	12,132.33	9,575.80 S	16.67 E	488,731.45	752,220.67	0.85	9,575.81	136.01	
22,069.00	88.76	179.09	12,134.41	9,669.77 S	17.48 E	488,637.48	752,221.48	0.88	9,669.79	-86.56	
22,164.00	89.43	180.12	12,135.91	9,764.76 S	18.13 E	488,542.49	752,222.13	1.29	9,764.77	56.96	LTP 100' HLC @ 22164'MD
22,201.00	89.47	180.24	12,136.27	9,801.75 S	18.02 E	488,505.50	752,222.02	0.34	9,801.77	71.56	Last MWD Svy @ 22201.00' MD
22,221.00	89.47	180.24	12,136.45	9,821.75 S	17.93 E	488,485.50	752,221.93	0.00	9,821.77	0.00	Projection to TD @ 22221.00' MD

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates (usft)		Comment
		+N/-S	+E/-W	
11.00	11.00	0.00	0.00	11' KB Offset
11,304.00	11,230.90	661.33	-38.57	Tie-in @ 11304.00' MD
11,387.00	11,313.89	660.37	-38.36	First MWD Svy @ 11387.00' MD
11,614.66	11,531.18	599.69	-29.73	FTP 100' HLC @ 11615'MD
16,979.99	12,045.19	-4,582.81	-14.23	SLC @ 16980'MD
22,164.00	12,135.91	-9,764.76	18.13	LTP 100' HLC @ 22164'MD
22,201.00	12,136.27	-9,801.75	18.02	Last MWD Svy @ 22201.00' MD
22,221.00	12,136.45	-9,821.75	17.93	Projection to TD @ 22221.00' MD

HALLIBURTON

Design Report for Llama Mall 26-35 Fed Com 32H - 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 32H PBHL P2	179.87	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
11.00	929.00	Surface (adjusted from 14' KB)	3_MWD+HRGM+MS+Sag
1,113.00	11,304.00	Intermediate	Superior
11,387.00	22,201.00	Production	MWD+IFR1+SAG+FDIR
22,221.00	22,221.00	PTD	Superior
			MWD+IFR1+SAG+FDIR
			3_Blind

Casing Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)
11,319.00	11,245.90	7 5/8" Casing	7.625	8.750

Design Targets

Target Name - hit/miss	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Llama Mall 32H PBHL P2 ()	0.00	0.00	12,102.55	-9,845.04	23.18	488,462.21	752,227.18	32° 20' 27.621 N	103° 39' 1.748 W
- actual wellpath misses target center by 41.46usft at 22221.00usft MD (12136.45 TVD, -9821.75 N, 17.93 E)									
- Point									

Directional Difficulty Index

Average Dogleg over Survey:	1.31 °/100ft	Maximum Dogleg over Survey:	14.66 °/100ft at 11,481.00 usft
Net Tortousity applicable to Plans:	0.52 °/100ft	Directional Difficulty Index:	6.778

HALLIBURTON

Design Report for Llama Mall 26-35 Fed Com 32H - Final Surveys

Audit Info

HALLIBURTON

North Reference Sheet for Llama Mall Pad (22S-32E-Sec 26) - Llama Mall 26-35 Fed Com 32H - 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 3686ft + RKB 25ft @ 3711.00usft (Patterson 882). Northing and Easting are relative to Llama Mall 26-35 Fed Com 32H

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: 0.99996001

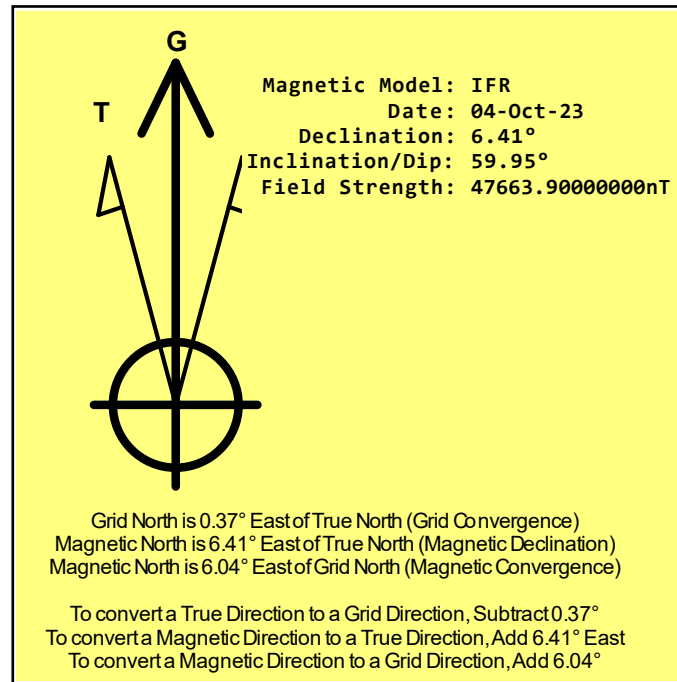
Grid Coordinates of Well: 498,307.25 usft N, 752,204.00 usft E

Geographical Coordinates of Well: 32° 22' 5.041 N, 103° 39' 1.286 W

Grid Convergence at Surface is: 0.37°

Based upon Minimum Curvature type calculations, at a Measured Depth of 22,221.00usft the Bottom Hole Displacement is 9,821.77usft in the Direction of 179.90° (Grid).

Magnetic Convergence at surface is: -6.04° (4 October 2023, , IFR)



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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Section 1 - Operator and Well Information

Submittal Type: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Workover <input type="checkbox"/> Deepening <input type="checkbox"/> Plugback <input type="checkbox"/> Different Reservoir <input type="checkbox"/> C-144 Closure Attachment <input type="checkbox"/> Other	
Operator Name: OXY USA INC	OGRID: 16696
Property Name and Well Number: LLAMA MALL 26-35 FEDERAL COM 32H	Property Code: 332823
Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal	API Number: 30-0 25-50310
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	1125	FWL	LEA
BHL	M	35	22S	32E		43	FSL	1075	FWL	LEA

Section 3 – Completion Information

Date T.D. Reached 10/24/23	Total Measured Depth of Well 22221'	Acid Volume (bbls) NA	<input checked="" type="checkbox"/> Directional Survey Submitted <input type="checkbox"/> Deviation Survey Submitted
Date Rig Released 10/26/23	Plug-Back Measured Depth 22176'	Completion Fluid Used (bbls) 351628	Were Logs Ran (Y/N) Y
Completion Date 01/28/24	Perforations (MD and TVD) 12177-21813' MD / 11917-12130' TVD	Completion Proppant Used (lbs) 24980818#	List Type of Logs Ran if applicable: CBL

Section 4 – Action IDs for Submissions and Order Numbers

Surface Casing Action ID: NA	UIC Permit/Order (UIC wells only) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Intermediate 1 Casing Action ID: NA	NOI Recomplete Action ID (if applicable): NA
Intermediate 2 Casing Action ID: NA	NOI Plugback Action ID (if applicable): NA
Production Casing Action ID: NA	Cement Squeeze Action ID (if applicable): NA
Tubing Action ID: 431646	All casing was pressure tested in accordance with NMAC <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Liner 1 Action ID: NA	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 1657
Date of Test 02/17/24	Choke Size NA	Flowing Tubing Pressure NA	Casing Pressure 1100
24 hr Oil (bbls) 3533	24 hr Gas (MCF) 5855	24 hr Water (bbls) 5614	Oil Gravity - API
Disposition of Gas: sold			

Section 6 – Pits

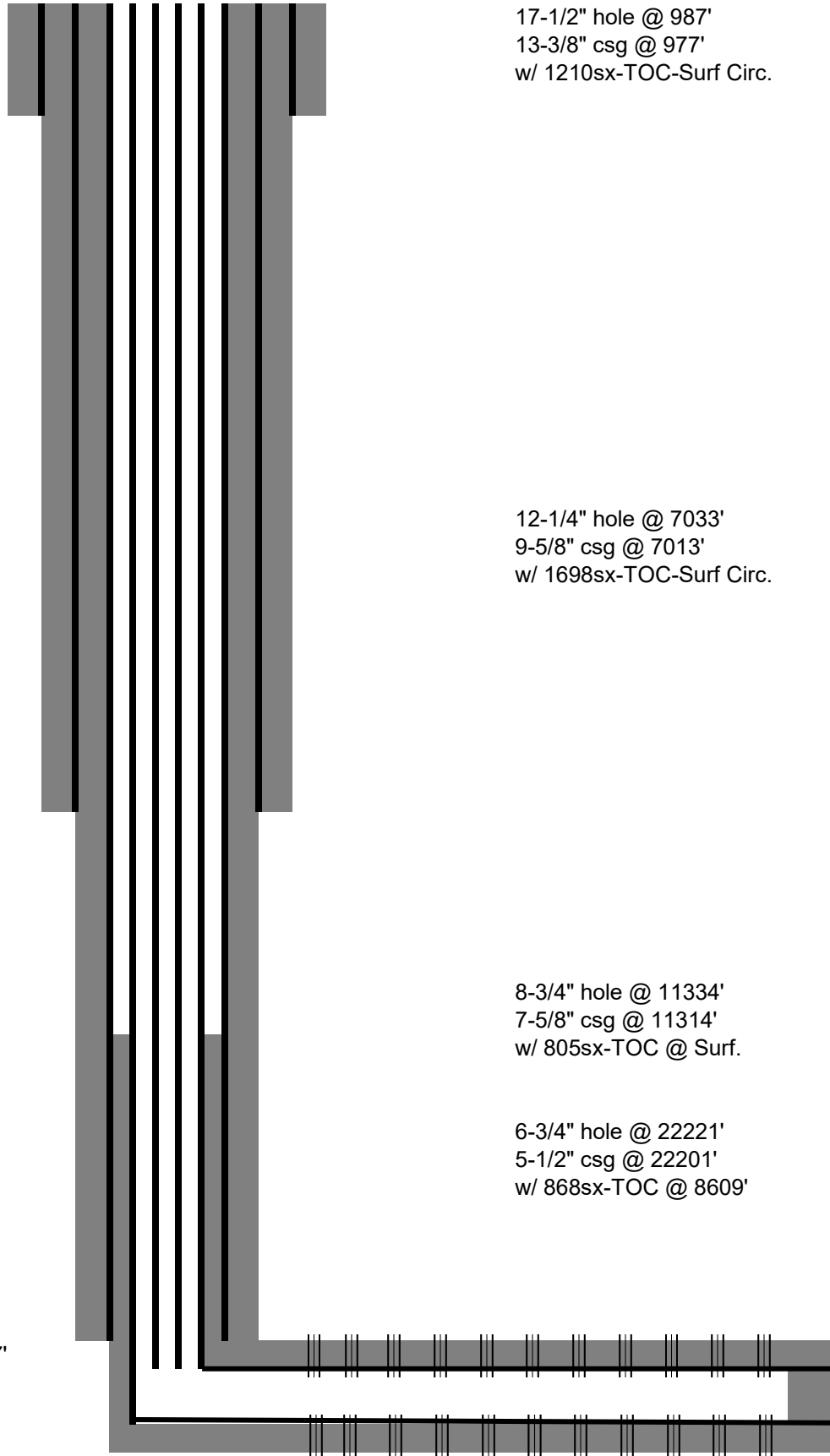
<input type="checkbox"/> A temporary pit was used at the well. If so, attach a plat with the location of the temporary pit.
<input checked="" type="checkbox"/> A Closed Loop System was used.
<input type="checkbox"/> If an on-site burial was used at the well, report the exact location of the on-site burial: LAT: _____ LONG: _____

Section 7 - Operator Signature and Certification

<input checked="" type="checkbox"/> I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
<input checked="" type="checkbox"/> I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
<input checked="" type="checkbox"/> 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 02/04/26

South Formations				North Formations			
Formation/Zone	MD	TVD	W/O/G	Formation/Zone	MD	TVD	W/O/G
T. Anhy	1027	1027	W	T. San Jose			
T. Salt	1375	1375		T. Nacimiento			
B. Salt	2946	2946		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	11894	11894	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	4782	4782	o/g				
T. Bell Canyon	4846	4846	o/g				
T. Cherry Canyon	5688	5688	o/g				
T. Brushy Canyon	6938	6938	o/g				
T. Bone Springs	8572	8572	o/g				
T. 1st BS Sand	9732	9732	o/g				
T. 2nd BS Carbonate							
T. 2nd BS Sand	10382	10382	o/g				
T. 3rd BS Carbonate							
T. 3rd BS Sand	11500	11500	o/g				

OXY USA Inc.
LLAMA MALL 26-35 FEDERAL COM 32H
API No. 30-025-50310



17-1/2" hole @ 987'
13-3/8" csg @ 977'
w/ 1210sx-TOC-Surf Circ.

12-1/4" hole @ 7033'
9-5/8" csg @ 7013'
w/ 1698sx-TOC-Surf Circ.

8-3/4" hole @ 11334'
7-5/8" csg @ 11314'
w/ 805sx-TOC @ Surf.

6-3/4" hole @ 22221'
5-1/2" csg @ 22201'
w/ 868sx-TOC @ 8609'

2-3/8" tbg & gas lift @ 11807'

Perfs @ 12177-21813'

TD- 22221'M 12136'V

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 550539

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 550539
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	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/ocd/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 550539

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 550539
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-5 Completion Sundry within 10 days of BLM approval.	4/10/2026