

District I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

District II
811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address OXY USA INC. P.O. BOX 50250 MIDLAND, TX 79710		² OGRID Number: 16696
		³ Reason for Filing Code/ Effective Date: NW - 10/09/2023
⁴ API Number 30 – 015-47770	⁵ Pool Name PURPLE SAGE WOLFCAMP *NSL-8580	⁶ Pool Code 98220
⁷ Property Code: 329731	⁸ Property Name: CORRAL BLUFF 11-14 FEDERAL COM	⁹ Well Number: 34H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	2	25S	29E		251	SOUTH	2241	WEST	EDDY

¹¹ Bottom Hole Location FTP- 149' FNL 2311' FWL LTP- 183' FSL 2393' FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	14	25S	29E		42	SOUTH	2389	WEST	EDDY
¹² Lse Code F	¹³ Producing Method Code : F	¹⁴ Gas Connection Date: 10/13/23	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
214754	LPC CRUDE OIL, INC.	O
151618	ENTERPRISE FIELD SERVICES LLC	G

IV. Well Completion Data

²¹ Spud Date 06/29/23	²² Ready Date 10/09/2023	²³ TD 20987'M 10452'V	²⁴ PBTD 20942'M 102451'V	²⁵ Perforations 10539-20846'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14-3/4"	10-3/4"	736'	600		
9-7/8"	7-5/8"	9810'	2149		
6-3/4"	5-1/2"	20967'	870		

V. Well Test Data

³¹ Date New Oil 10/13/23	³² Gas Delivery Date 10/13/23	³³ Test Date 10/25/23	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1892
³⁷ Choke Size 56	³⁸ Oil 2849	³⁹ Water 5430	⁴⁰ Gas 6296		⁴¹ Test Method F

⁴² 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.

Signature: 

Printed name: JANA MENDIOLA

Title: SR. REGULATORY ANALYST

E-mail Address:
Janalyn_mendiola@oxy.com

Date: 01/07/2024 Phone: 422-695-5936

OIL CONSERVATION DIVISION

Approved by:

PATRICIA MARTINEZ

Title: PETROLEUM SPECIALIST

Approval Date: 1/23/2024

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

☒ AMENDED REPORT

¹ API Number 30-015-47770		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	
⁴ Property Code 329731		⁵ Property Name CORRAL BLUFF II 14 FED COM			⁶ Well Number 34H
⁷ OGRID No. 16696		⁸ Operator Name OXY USA INC.			⁹ Elevation 3062'

UL or lot no. N	Section 2	Township 25S	Range 29E	Lot Idn	Feet from the 251	North/South line SOUTH	Feet from the 2241	East/West line WEST	County EDDY
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UL or lot no. N	Section 14	Township 25S	Range 29E	Lot Idn	Feet from the 42	North/South line SOUTH	Feet from the 2389	East/West line WEST	County EDDY
¹² Dedicated Acres 640.00		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. NSL-8580			

SHL (NAD83)
X:657958.59' / Y:419473.09'
LAT:32.15264889 / LON:-103.95649731

SHL (NAD27)
X:616773.99' / Y:419414.68'
LAT:32.15252524 / LON:-103.95601184

KOP (NAD83)
X:657952.91' / Y:419445.30'
LAT:32.15257255 / LON:-103.95651597

KOP (NAD27)
X:616768.31' / Y:419386.89'
LAT:32.15244890 / LON:-103.95603050

FTP (NAD83)
X:658028.96' / Y:419074.19'
LAT:32.15155169 / LON:-103.95627446

FTP (NAD27)
X:616844.34' / Y:419015.79'
LAT:32.15142802 / LON:-103.95578903

PPP-1 (NAD83)
X:658117.10' / Y:413911.06'
LAT:32.13735800 / LON:-103.95604788

PPP-1 (NAD27)
X:616932.42' / Y:413852.77'
LAT:32.13723417 / LON:-103.95556299

LTP (NAD83)
X:658148.95' / Y:408783.55'
LAT:32.12326275 / LON:-103.95600322

LTP (NAD27)
X:616964.06' / Y:408725.36'
LAT:32.12313876 / LON:-103.95551884

BHL (NAD83)
X:658145.31' / Y:408642.60'
LAT:32.12287532 / LON:-103.95601657

BHL (NAD27)
X:616960.42' / Y:408584.42'
LAT:32.12275133 / LON:-103.95553221

KOP
28' SOUTH OF SHL
6' WEST OF SHL
FSL 223'
FWL 2235'
M.D. 9853'

SHL
FSL 251'
FWL 2241'

FTP
399' SOUTH OF SHL
70' EAST OF SHL
FNL 149'
FWL 2311'
M.D. 10539'

Furthest
M.D. 10539'
340' FEL TO LEASE

PPP-1
5562' SOUTH OF SHL
159' EAST OF SHL
FSL 0'
FWL 2384'
M.D. 15717'

Nearest
M.D. 18902'
230' FEL TO LEASE

LTP
10690' SOUTH OF SHL
190' EAST OF SHL
FSL 183'
FWL 2393'
M.D. 20846'

BHL
10830' SOUTH OF SHL
187' EAST OF SHL
FSL 42'
FWL 2389'
M.D. 20987'

Sec. 02

Sec. 11

Sec. 14

NMNM 015303

Legend:

- Drill Line Events
- Corners
- Drill Line
- Dimension Lines
- Federal Leases
- HSU

Operator Certification:

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

Jana Mendiola 12/13/23

Signature _____ Date _____

JANA MENDIOLA

Printed Name _____

janalyn_mendiola@oxy.com

E-mail Address _____

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys performed and supplied by others. Data used for surface and subsurface measurements were provided by others for reference only and does not constitute field measurements performed by Delta Field Services.

Lloyd P. Short

Date of Survey: **OCTOBER 18, 2023**

Signature and Seal of Professional Surveyor

LLOYD P. SHORT
NEW MEXICO
21653
PROFESSIONAL SURVEYOR

FEDERAL LEASE ID	LENGTH
NMNM015303	5128.81'
TOTAL	5128.81'

CORNER COORDINATES
NAD 83, SPCS NM EAST
A - X: 658368.22' / Y: 419223.44'
B - X: 658397.08' / Y: 413911.59'
C - X: 658415.85' / Y: 408601.14'
D - X: 655756.51' / Y: 408596.84'
E - X: 655744.48' / Y: 411250.52'
F - X: 655725.53' / Y: 416561.84'
G - X: 655717.77' / Y: 419217.79'

CORNER COORDINATES
NAD 27, SPCS NM EAST
A - X: 617183.61' / Y: 419165.04'
B - X: 617212.33' / Y: 413853.30'
C - X: 617230.95' / Y: 408542.96'
D - X: 614571.64' / Y: 408538.65'
E - X: 614559.68' / Y: 411192.28'
F - X: 614540.87' / Y: 416503.49'
G - X: 614533.18' / Y: 419159.38'

SHEET 1 OF 1
JOB No. OXY_0031_CB14
REV 0 TCS 10/12/2023

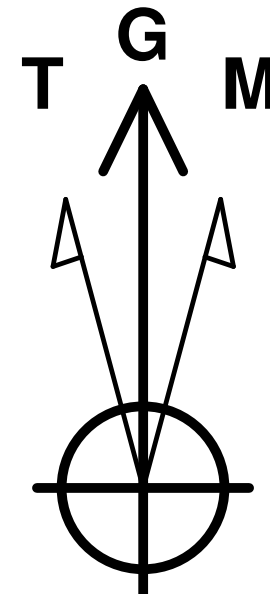


Occidental Petroleum Corporation

Final Plan Vs Actual

Project: Eddy County, NM (NAD83)
Site: Corral Bluff 11-14
Well: Corral Bluff 11-14 Fed Com 34H
Wellbore: OH
Design: Plan 1 Rev01
Rig: Patterson 882

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

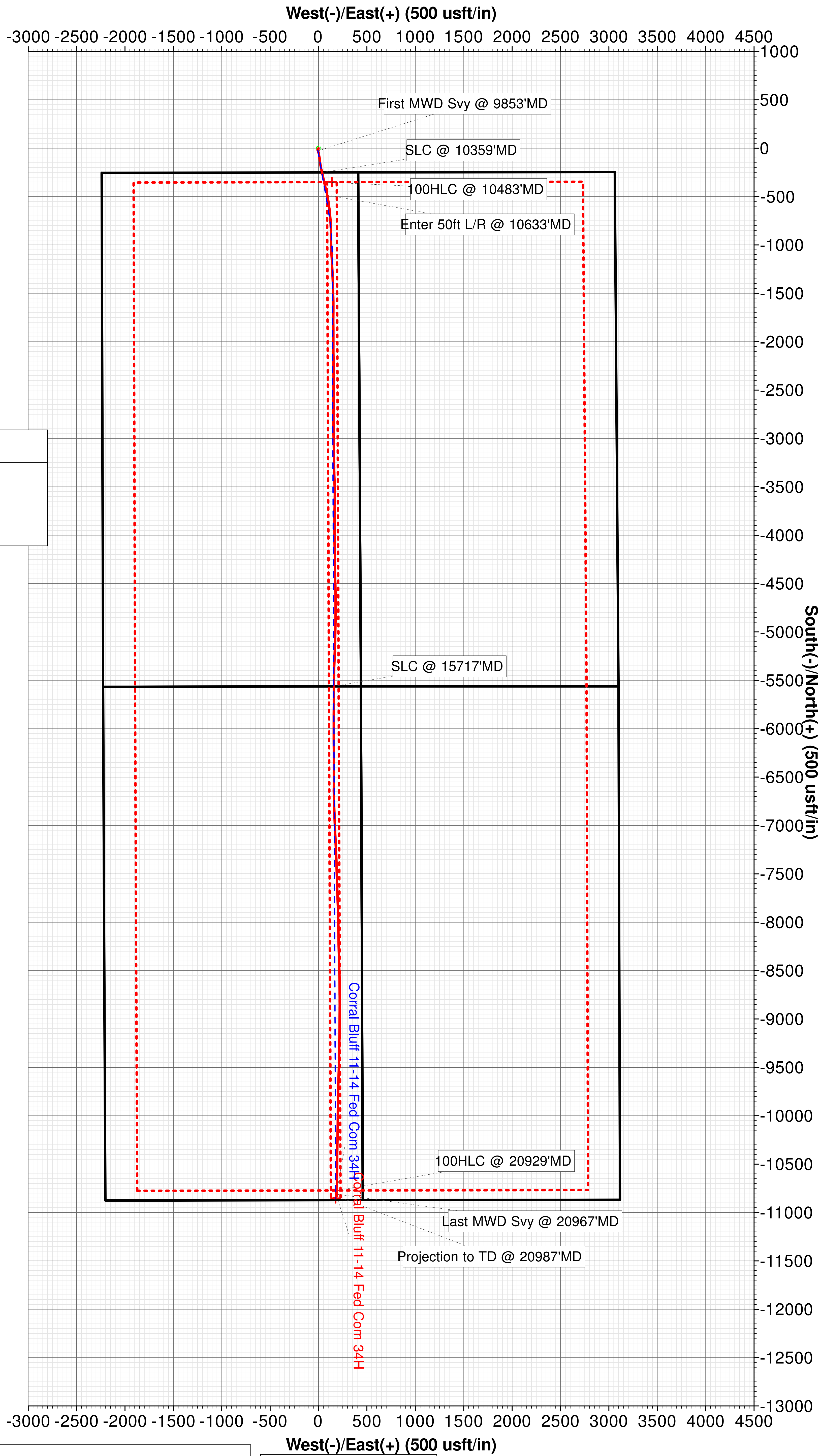
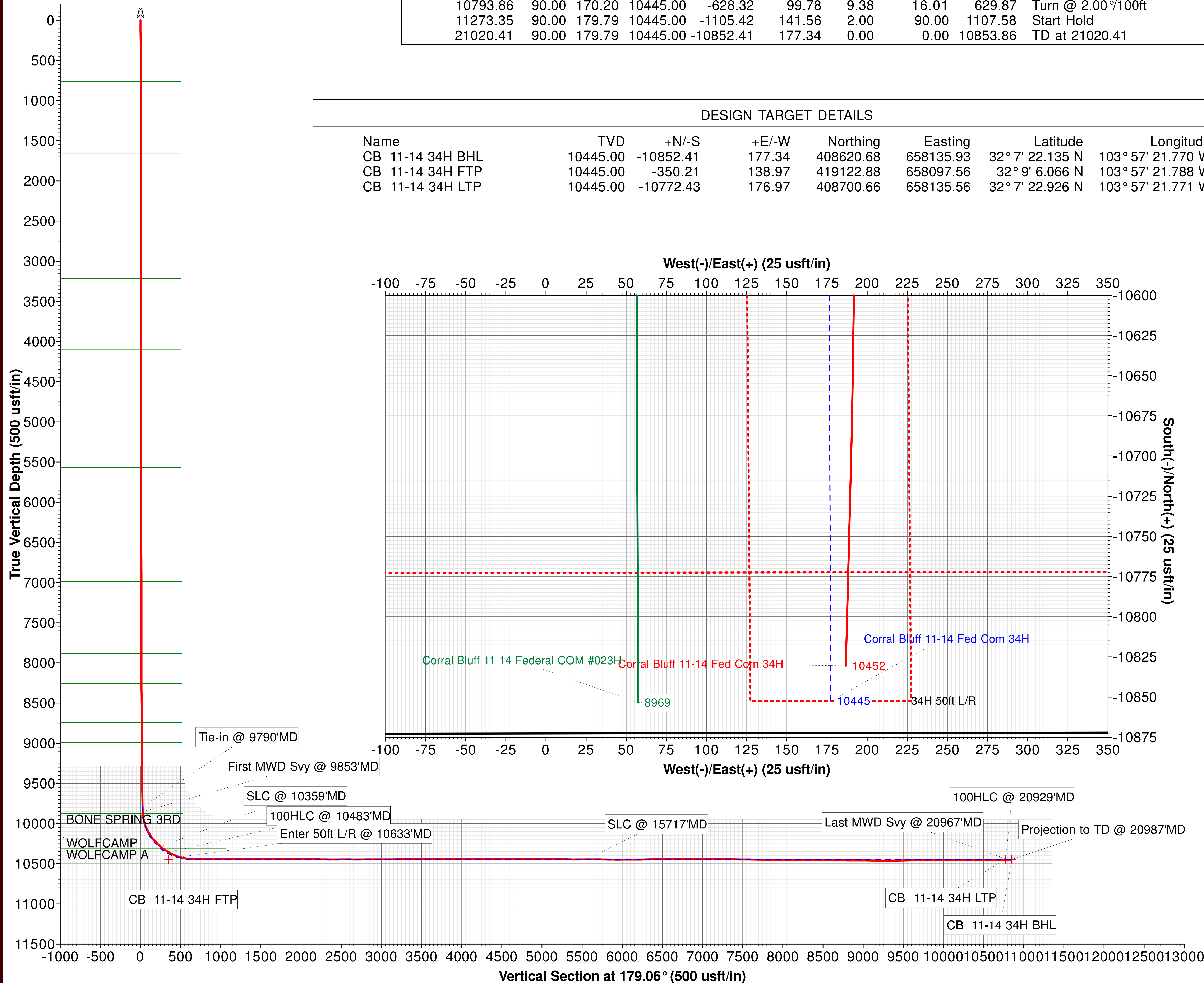


Azimuths to Grid North
True North: -0.20°
Magnetic North: 6.36°
Magnetic Field
Strength: 47486.5nT
Dip Angle: 59.75°
Date: 8/2/2023
Model: IFR

WELL DETAILS					
GL 3062.3' + RKB 25' @ 3087.30usft (Patterson 882)					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	419473.09	657958.59	32° 9' 9.536 N	103° 57' 23.390 W

SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation	
9790.00	0.75	154.19	9789.83	-26.17	-6.63	0.00	0.00	26.06	Tie-in / Project to KOP	
9842.00	0.75	154.19	9841.82	-26.78	-6.34	0.00	0.00	26.68	KOP @ 9.38°/100ft	
10793.86	90.00	170.20	10445.00	-628.32	99.78	9.38	16.01	629.87	Turn @ 2.00°/100ft	
11273.35	90.00	179.79	10445.00	-1105.42	141.56	2.00	90.00	1107.58	Start Hold	
21020.41	90.00	179.79	10445.00	-10852.41	177.34	0.00	0.00	10853.86	TD at 21020.41	

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
CB 11-14 34H BHL	10445.00	-10852.41	177.34	408620.68	658135.93	32° 7' 22.135 N	103° 57' 21.770 W		
CB 11-14 34H FTP	10445.00	-350.21	138.97	419122.88	658097.56	32° 9' 6.066 N	103° 57' 21.788 W		
CB 11-14 34H LTP	10445.00	-10772.43	176.97	408700.66	658135.56	32° 7' 22.926 N	103° 57' 21.771 W		



Target Center Line
10,445' TVD @ 0° VS; 90.00° INC

Created By: Chad Stich
Date: 6:27, August 11 2023

HALLIBURTON | Sperry Drilling

Occidental Petroleum Corporation

Corral Bluff 11-14 Fed Com 34H

**Eddy County, NM (NAD83)
Patterson 882**

Sperry Drilling Services

End Of Well Report

21 August, 2021

HALLIBURTON

Patterson 882

Occidental Petroleum Corporation

Eddy County, NM (NAD83) Corral Bluff 11-14

API# 30-015-47770

Corral Bluff 11-14 Fed Com 34H

OH

Design: Final Surveys

Sperry Drilling Services

Combo Report

11 August, 2023

Well Coordinates: 32° 9' 9.536 N
103° 57' 23.390 W

North American Datum 1983
New Mexico Eastern Zone
419,473.09 N
657,958.59 E

Ground Level: 3,062.30 usft

Local Coordinate Origin:

Centered on Well Corral Bluff 11-14 Fed Com 34H
GL 3062.3' + RKB 25' @ 3087.30usft (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

HALLIBURTON**Design Report for Corral Bluff 11-14 Fed Com 34H - 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	419,473.09	657,958.59	0.00	0.00	0.00	
147.00	0.71	215.19	147.00	0.74 S	0.52 W	419,472.35	657,958.07	0.48	0.74	215.19	
243.00	0.89	206.04	242.99	1.90 S	1.19 W	419,471.19	657,957.40	0.23	1.88	-40.00	
336.00	0.83	211.36	335.98	3.12 S	1.86 W	419,469.97	657,956.73	0.11	3.09	129.56	
430.00	0.84	208.77	429.97	4.31 S	2.55 W	419,468.78	657,956.04	0.04	4.27	-76.46	
523.00	0.63	207.61	522.96	5.36 S	3.11 W	419,467.73	657,955.48	0.23	5.31	-176.53	
617.00	0.54	187.15	616.95	6.26 S	3.41 W	419,466.83	657,955.18	0.24	6.20	-123.32	
661.00	0.49	191.94	660.95	6.65 S	3.47 W	419,466.44	657,955.12	0.15	6.59	141.65	
771.00	0.61	93.08	770.95	7.14 S	2.99 W	419,465.95	657,955.60	0.76	7.09	-134.09	
858.00	0.34	48.41	857.95	6.99 S	2.33 W	419,466.10	657,956.26	0.50	6.95	-147.01	
952.00	0.23	126.19	951.95	6.92 S	1.97 W	419,466.17	657,956.62	0.39	6.89	142.34	
1,045.00	0.09	99.19	1,044.94	7.04 S	1.75 W	419,466.05	657,956.84	0.17	7.01	-164.74	
1,139.00	0.30	44.36	1,138.94	6.88 S	1.50 W	419,466.21	657,957.09	0.28	6.85	-71.34	
1,232.00	0.28	315.34	1,231.94	6.54 S	1.49 W	419,466.55	657,957.10	0.44	6.52	-136.52	
1,327.00	0.20	257.96	1,326.94	6.41 S	1.82 W	419,466.68	657,956.77	0.25	6.38	-135.63	
1,421.00	0.20	132.94	1,420.94	6.56 S	1.86 W	419,466.53	657,956.73	0.38	6.53	-152.51	
1,516.00	0.09	330.39	1,515.94	6.60 S	1.77 W	419,466.49	657,956.82	0.30	6.57	-174.61	
1,611.00	0.24	353.18	1,610.94	6.34 S	1.83 W	419,466.75	657,956.76	0.17	6.31	35.31	
1,705.00	0.35	326.05	1,704.94	5.91 S	2.02 W	419,467.18	657,956.57	0.19	5.87	-65.87	
1,800.00	0.04	77.32	1,799.94	5.66 S	2.15 W	419,467.43	657,956.44	0.39	5.62	174.16	
1,895.00	0.11	25.38	1,894.94	5.57 S	2.07 W	419,467.52	657,956.52	0.10	5.54	-72.20	
1,989.00	0.22	187.10	1,988.94	5.67 S	2.06 W	419,467.42	657,956.53	0.35	5.63	167.79	
2,084.00	0.18	29.42	2,083.94	5.72 S	2.01 W	419,467.37	657,956.58	0.41	5.69	-169.97	
2,179.00	0.11	251.17	2,178.94	5.62 S	2.02 W	419,467.47	657,956.57	0.29	5.59	-164.38	
2,367.00	0.01	130.29	2,366.94	5.69 S	2.18 W	419,467.40	657,956.41	0.06	5.65	-175.74	
2,462.00	0.12	152.45	2,461.94	5.78 S	2.13 W	419,467.31	657,956.46	0.12	5.75	24.11	
2,556.00	0.25	110.44	2,555.94	5.94 S	1.89 W	419,467.15	657,956.70	0.19	5.91	-68.54	
2,650.00	0.16	252.33	2,649.94	6.05 S	1.82 W	419,467.04	657,956.77	0.41	6.02	165.28	
2,745.00	0.11	65.38	2,744.94	6.05 S	1.87 W	419,467.04	657,956.72	0.28	6.02	177.17	
2,840.00	0.17	133.08	2,839.94	6.11 S	1.68 W	419,466.98	657,956.91	0.17	6.08	106.13	
2,934.00	0.26	167.35	2,933.94	6.42 S	1.53 W	419,466.67	657,957.06	0.16	6.39	72.96	
3,123.00	0.15	40.58	3,122.94	6.65 S	1.28 W	419,466.44	657,957.31	0.20	6.62	-161.04	
3,218.00	0.05	163.40	3,217.94	6.59 S	1.18 W	419,466.50	657,957.41	0.19	6.57	166.65	
3,312.00	0.04	267.28	3,311.94	6.63 S	1.20 W	419,466.46	657,957.39	0.08	6.61	146.91	
3,407.00	0.03	320.71	3,406.94	6.61 S	1.25 W	419,466.48	657,957.34	0.03	6.59	132.56	
3,501.00	0.05	29.74	3,500.94	6.56 S	1.25 W	419,466.53	657,957.34	0.05	6.54	104.54	

HALLIBURTON**Design Report for Corral Bluff 11-14 Fed Com 34H - 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)				
3,596.00	0.04	37.49	3,595.94	6.50 S	1.21 W	419,466.59	657,957.38	0.01	6.48	152.51	
3,690.00	0.04	292.78	3,689.94	6.46 S	1.22 W	419,466.63	657,957.37	0.07	6.44	-142.35	
3,785.00	0.02	136.11	3,784.94	6.46 S	1.24 W	419,466.63	657,957.35	0.06	6.44	-172.27	
3,880.00	0.01	27.13	3,879.94	6.46 S	1.22 W	419,466.63	657,957.37	0.03	6.44	-157.87	
3,974.00	0.27	233.60	3,973.94	6.59 S	1.40 W	419,466.50	657,957.19	0.30	6.56	-154.45	
4,069.00	0.07	22.76	4,068.94	6.67 S	1.55 W	419,466.42	657,957.04	0.35	6.64	173.80	
4,163.00	0.04	72.32	4,162.94	6.60 S	1.50 W	419,466.49	657,957.09	0.06	6.58	145.35	
4,258.00	0.06	56.80	4,257.94	6.57 S	1.43 W	419,466.52	657,957.16	0.03	6.54	-42.03	
4,353.00	0.08	352.93	4,352.94	6.47 S	1.39 W	419,466.62	657,957.20	0.08	6.45	-109.03	
4,447.00	0.08	297.25	4,446.94	6.38 S	1.46 W	419,466.71	657,957.13	0.08	6.35	-117.84	
4,542.00	0.05	66.48	4,541.94	6.33 S	1.48 W	419,466.76	657,957.11	0.12	6.31	160.86	
4,636.00	0.08	328.39	4,635.94	6.26 S	1.48 W	419,466.83	657,957.11	0.11	6.23	-127.72	
4,731.00	0.10	147.90	4,730.94	6.27 S	1.47 W	419,466.82	657,957.12	0.19	6.25	179.73	
4,825.00	0.08	306.22	4,824.94	6.30 S	1.48 W	419,466.79	657,957.11	0.19	6.28	170.38	
4,920.00	0.03	63.20	4,919.94	6.25 S	1.51 W	419,466.84	657,957.08	0.10	6.23	164.06	
5,014.00	0.05	161.31	5,013.94	6.28 S	1.47 W	419,466.81	657,957.12	0.07	6.26	126.82	
5,109.00	0.05	261.25	5,108.94	6.33 S	1.50 W	419,466.76	657,957.09	0.08	6.30	139.97	
5,204.00	0.11	303.54	5,203.94	6.28 S	1.62 W	419,466.81	657,956.97	0.08	6.25	67.03	
5,299.00	0.07	249.27	5,298.94	6.25 S	1.75 W	419,466.84	657,956.84	0.09	6.22	-140.58	
5,393.00	0.16	225.82	5,392.94	6.36 S	1.90 W	419,466.73	657,956.69	0.11	6.33	-39.67	
5,488.00	0.03	78.34	5,487.94	6.45 S	1.97 W	419,466.64	657,956.62	0.20	6.42	-175.03	
5,583.00	0.36	292.57	5,582.93	6.33 S	2.22 W	419,466.76	657,956.37	0.41	6.29	-148.28	
5,678.00	0.24	279.58	5,677.93	6.18 S	2.69 W	419,466.91	657,955.90	0.14	6.14	-156.84	
5,772.00	0.13	193.02	5,771.93	6.26 S	2.91 W	419,466.83	657,955.68	0.28	6.21	-150.80	
5,867.00	0.33	201.19	5,866.93	6.62 S	3.03 W	419,466.47	657,955.56	0.21	6.56	13.41	
5,961.00	0.41	199.24	5,960.93	7.19 S	3.24 W	419,465.90	657,955.35	0.09	7.13	-9.92	
6,056.00	0.33	201.96	6,055.93	7.76 S	3.46 W	419,465.33	657,955.13	0.09	7.70	168.97	
6,150.00	0.40	192.26	6,149.93	8.33 S	3.63 W	419,464.76	657,954.96	0.10	8.27	-46.35	
6,245.00	0.38	189.17	6,244.92	8.97 S	3.75 W	419,464.12	657,954.84	0.03	8.90	-135.10	
6,340.00	0.23	194.36	6,339.92	9.46 S	3.84 W	419,463.63	657,954.75	0.16	9.40	172.15	
6,434.00	0.43	220.73	6,433.92	9.91 S	4.12 W	419,463.18	657,954.47	0.26	9.84	50.89	
6,529.00	0.50	210.44	6,528.92	10.54 S	4.56 W	419,462.55	657,954.03	0.11	10.46	-55.25	
6,624.00	0.42	220.28	6,623.92	11.16 S	5.00 W	419,461.93	657,953.59	0.12	11.08	140.21	
6,718.00	0.44	204.03	6,717.91	11.76 S	5.37 W	419,461.33	657,953.22	0.13	11.67	-88.87	
6,813.00	0.57	237.16	6,812.91	12.34 S	5.91 W	419,460.75	657,952.68	0.33	12.25	83.16	
6,907.00	0.51	218.42	6,906.90	12.93 S	6.57 W	419,460.16	657,952.02	0.20	12.82	-117.98	
7,001.00	0.04	311.19	7,000.90	13.23 S	6.85 W	419,459.86	657,951.74	0.55	13.12	175.54	

HALLIBURTON**Design Report for Corral Bluff 11-14 Fed Com 34H - 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)				
7,096.00	0.03	346.95	7,095.90	13.19 S	6.88 W	419,459.90	657,951.71	0.02	13.07	131.76	
7,191.00	0.01	148.62	7,190.90	13.17 S	6.88 W	419,459.92	657,951.71	0.04	13.05	175.45	
7,286.00	0.14	254.54	7,285.90	13.21 S	6.99 W	419,459.88	657,951.60	0.15	13.09	109.77	
7,380.00	0.07	236.12	7,379.90	13.27 S	7.15 W	419,459.82	657,951.44	0.08	13.15	-163.27	
7,475.00	0.16	276.13	7,474.90	13.29 S	7.33 W	419,459.80	657,951.26	0.12	13.17	62.94	
7,570.00	0.10	293.26	7,569.90	13.24 S	7.54 W	419,459.85	657,951.05	0.07	13.12	155.43	
7,664.00	0.13	164.12	7,663.90	13.31 S	7.58 W	419,459.78	657,951.01	0.22	13.19	-151.02	
7,759.00	0.11	209.12	7,758.90	13.49 S	7.60 W	419,459.60	657,950.99	0.10	13.37	123.88	
7,854.00	0.07	250.85	7,853.90	13.59 S	7.70 W	419,459.50	657,950.89	0.08	13.47	141.11	
7,949.00	0.03	301.46	7,948.90	13.60 S	7.77 W	419,459.49	657,950.82	0.06	13.47	155.54	
8,043.00	0.27	306.94	8,042.90	13.45 S	7.97 W	419,459.64	657,950.62	0.26	13.32	6.16	
8,138.00	0.48	316.10	8,137.90	13.03 S	8.43 W	419,460.06	657,950.16	0.23	12.89	20.55	
8,233.00	0.21	212.91	8,232.90	12.89 S	8.80 W	419,460.20	657,949.79	0.60	12.75	-158.83	
8,328.00	0.58	191.63	8,327.90	13.51 S	8.99 W	419,459.58	657,949.60	0.41	13.36	-32.50	
8,423.00	0.60	187.27	8,422.89	14.47 S	9.15 W	419,458.62	657,949.44	0.05	14.32	-68.18	
8,517.00	0.72	192.85	8,516.89	15.54 S	9.34 W	419,457.55	657,949.25	0.14	15.38	30.98	
8,612.00	0.52	163.75	8,611.88	16.53 S	9.35 W	419,456.56	657,949.24	0.39	16.38	-136.41	
8,707.00	0.19	120.00	8,706.88	17.03 S	9.10 W	419,456.06	657,949.49	0.43	16.87	-161.05	
8,802.00	0.27	132.64	8,801.88	17.26 S	8.80 W	419,455.83	657,949.79	0.10	17.11	38.81	
8,897.00	0.70	175.50	8,896.87	17.99 S	8.59 W	419,455.10	657,950.00	0.56	17.84	62.95	
8,991.00	0.65	161.66	8,990.87	19.06 S	8.37 W	419,454.03	657,950.22	0.18	18.92	-113.89	
9,086.00	0.48	209.25	9,085.86	19.92 S	8.40 W	419,453.17	657,950.19	0.51	19.78	132.63	
9,181.00	0.32	210.07	9,180.86	20.50 S	8.73 W	419,452.59	657,949.86	0.17	20.35	178.36	
9,275.00	0.76	121.12	9,274.86	21.05 S	8.32 W	419,452.04	657,950.27	0.87	20.91	-111.94	
9,370.00	0.59	133.73	9,369.85	21.71 S	7.43 W	419,451.38	657,951.16	0.24	21.59	145.04	
9,465.00	0.66	171.84	9,464.85	22.59 S	7.00 W	419,450.50	657,951.59	0.44	22.48	99.84	
9,559.00	0.56	187.34	9,558.84	23.58 S	6.98 W	419,449.51	657,951.61	0.20	23.47	128.81	
9,654.00	0.70	174.64	9,653.83	24.62 S	6.99 W	419,448.47	657,951.60	0.21	24.50	-51.39	
9,748.00	0.65	166.11	9,747.83	25.71 S	6.80 W	419,447.38	657,951.79	0.12	25.60	-120.68	
9,790.00	0.75	154.19	9,789.83	26.19 S	6.63 W	419,446.90	657,951.96	0.42	26.08	-61.58	Tie-in @ 9790'MD
9,811.18	1.38	150.18	9,811.00	26.54 S	6.44 W	419,446.55	657,952.15	3.01	26.43	-8.73	7 5/8" Casing
9,853.00	2.64	147.93	9,852.79	27.79 S	5.68 W	419,445.30	657,952.91	3.01	27.69	-4.72	First MWD Svy @ 9853'MD
9,948.00	11.72	162.04	9,946.96	38.85 S	1.53 W	419,434.24	657,957.06	9.67	38.82	18.08	
10,042.00	21.51	169.65	10,036.93	64.95 S	4.52 E	419,408.14	657,963.11	10.65	65.01	16.22	
10,137.00	31.42	172.56	10,121.87	106.74 S	10.87 E	419,366.35	657,969.46	10.52	106.90	8.77	
10,231.00	39.84	171.45	10,198.21	160.91 S	18.54 E	419,312.18	657,977.13	8.98	161.19	-4.85	
10,326.00	48.70	167.80	10,266.18	226.02 S	30.63 E	419,247.07	657,989.22	9.70	226.49	-17.37	

HALLIBURTON**Design Report for Corral Bluff 11-14 Fed Com 34H - 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)				
10,359.00	51.19	167.49	10,287.41	250.69 S	36.04 E	419,222.40	657,994.63	7.58	251.25	-5.62	SLC @ 10359'MD
10,421.00	55.87	166.95	10,324.25	299.30 S	47.07 E	419,173.79	658,005.66	7.58	300.03	-5.42	
10,483.00	60.38	166.82	10,356.99	350.57 S	59.01 E	419,122.52	658,017.60	7.28	351.48	-1.42	100HLC @ 10483'MD
10,515.00	62.71	166.76	10,372.23	377.95 S	65.44 E	419,095.14	658,024.03	7.28	378.97	-1.35	
10,610.00	70.68	166.87	10,409.79	462.83 S	85.33 E	419,010.26	658,043.92	8.39	464.17	0.75	
10,633.00	73.10	167.97	10,416.94	484.17 S	90.09 E	418,988.92	658,048.68	11.45	485.58	23.61	Enter 50ft L/R @ 10633'MD
10,704.00	80.59	171.22	10,433.09	552.12 S	102.53 E	418,920.97	658,061.12	11.45	553.72	23.27	
10,799.00	88.73	173.49	10,441.92	645.78 S	115.09 E	418,827.31	658,073.68	8.89	647.57	15.64	
10,894.00	90.00	176.66	10,442.98	740.41 S	123.24 E	418,732.68	658,081.83	3.59	742.32	68.19	
10,989.00	90.31	178.71	10,442.72	835.33 S	127.08 E	418,637.76	658,085.67	2.18	837.29	81.40	
11,083.00	89.70	179.02	10,442.71	929.31 S	128.94 E	418,543.78	658,087.53	0.73	931.29	153.06	
11,178.00	89.82	177.99	10,443.11	1,024.27 S	131.42 E	418,448.82	658,090.01	1.09	1,026.28	-83.36	
11,273.00	89.04	177.06	10,444.05	1,119.18 S	135.52 E	418,353.91	658,094.11	1.28	1,121.24	-129.99	
11,367.00	89.86	176.81	10,444.96	1,213.04 S	140.55 E	418,260.05	658,099.14	0.91	1,215.17	-16.96	
11,462.00	90.02	177.81	10,445.06	1,307.93 S	145.01 E	418,165.16	658,103.60	1.07	1,310.13	80.91	
11,557.00	89.87	178.23	10,445.15	1,402.87 S	148.29 E	418,070.22	658,106.88	0.47	1,405.11	109.65	
11,651.00	89.91	178.28	10,445.33	1,496.83 S	151.15 E	417,976.26	658,109.74	0.07	1,499.10	51.34	
11,746.00	90.05	179.34	10,445.36	1,591.81 S	153.12 E	417,881.28	658,111.71	1.13	1,594.10	82.48	
11,841.00	90.17	180.73	10,445.18	1,686.81 S	153.07 E	417,786.28	658,111.66	1.47	1,689.08	85.06	
11,936.00	89.79	179.66	10,445.21	1,781.80 S	152.74 E	417,691.29	658,111.33	1.20	1,784.06	-109.55	
12,030.00	89.43	179.38	10,445.85	1,875.80 S	153.53 E	417,597.29	658,112.12	0.49	1,878.06	-142.13	
12,125.00	91.25	180.66	10,445.29	1,970.79 S	153.50 E	417,502.30	658,112.09	2.34	1,973.04	35.12	
12,219.00	89.40	179.94	10,444.75	2,064.78 S	153.01 E	417,408.31	658,111.60	2.11	2,067.01	-158.73	
12,314.00	89.28	178.65	10,445.85	2,159.77 S	154.17 E	417,313.32	658,112.76	1.36	2,162.00	-95.32	
12,409.00	89.86	179.84	10,446.56	2,254.75 S	155.43 E	417,218.34	658,114.02	1.39	2,256.99	64.02	
12,503.00	89.40	179.50	10,447.17	2,348.75 S	155.97 E	417,124.34	658,114.56	0.61	2,350.99	-143.53	
12,598.00	90.53	180.07	10,447.23	2,443.75 S	156.32 E	417,029.34	658,114.91	1.33	2,445.98	26.77	
12,692.00	90.06	180.35	10,446.74	2,537.75 S	155.98 E	416,935.34	658,114.57	0.58	2,539.96	149.22	
12,787.00	89.50	180.73	10,447.11	2,632.74 S	155.08 E	416,840.35	658,113.67	0.71	2,634.92	145.84	
12,882.00	90.35	180.39	10,447.23	2,727.73 S	154.16 E	416,745.36	658,112.75	0.96	2,729.89	-21.80	
12,977.00	89.99	179.74	10,446.95	2,822.73 S	154.05 E	416,650.36	658,112.64	0.78	2,824.87	-118.98	
13,071.00	90.29	178.98	10,446.72	2,916.73 S	155.10 E	416,556.36	658,113.69	0.87	2,918.87	-68.46	
13,166.00	89.88	179.11	10,446.58	3,011.71 S	156.68 E	416,461.38	658,115.27	0.45	3,013.87	162.41	
13,261.00	90.21	178.96	10,446.50	3,106.70 S	158.28 E	416,366.39	658,116.87	0.38	3,108.87	-24.44	
13,355.00	90.37	179.03	10,446.03	3,200.68 S	159.93 E	416,272.41	658,118.52	0.19	3,202.87	23.63	
13,450.00	90.09	179.14	10,445.65	3,295.67 S	161.45 E	416,177.42	658,120.04	0.32	3,297.87	158.55	

HALLIBURTON**Design Report for Corral Bluff 11-14 Fed Com 34H - 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)				
13,545.00	89.83	178.07	10,445.71	3,390.64 S	163.76 E	416,082.45	658,122.35	1.16	3,392.86	-103.66	
13,640.00	90.16	178.37	10,445.72	3,485.59 S	166.71 E	415,987.50	658,125.30	0.47	3,487.85	42.27	
13,734.00	90.56	180.05	10,445.13	3,579.58 S	168.01 E	415,893.51	658,126.60	1.84	3,581.85	76.60	
13,829.00	90.13	180.96	10,444.56	3,674.57 S	167.17 E	415,798.52	658,125.76	1.06	3,676.81	115.29	
13,924.00	90.62	180.71	10,443.94	3,769.56 S	165.79 E	415,703.53	658,124.38	0.58	3,771.77	-27.03	
14,018.00	90.24	179.75	10,443.23	3,863.56 S	165.41 E	415,609.53	658,124.00	1.10	3,865.74	-111.59	
14,113.00	89.90	179.88	10,443.12	3,958.56 S	165.71 E	415,514.53	658,124.30	0.38	3,960.74	159.08	
14,208.00	89.82	179.64	10,443.35	4,053.55 S	166.11 E	415,419.54	658,124.70	0.27	4,055.73	-108.44	
14,303.00	89.31	178.02	10,444.07	4,148.53 S	168.05 E	415,324.56	658,126.64	1.79	4,150.72	-107.48	
14,397.00	90.06	179.69	10,444.59	4,242.50 S	169.93 E	415,230.59	658,128.52	1.95	4,244.71	65.82	
14,492.00	91.22	179.93	10,443.53	4,337.50 S	170.25 E	415,135.59	658,128.84	1.25	4,339.70	11.69	
14,586.00	89.19	178.45	10,443.19	4,431.48 S	171.57 E	415,041.61	658,130.16	2.67	4,433.69	-143.90	
14,680.00	89.61	178.59	10,444.17	4,525.44 S	174.00 E	414,947.65	658,132.59	0.47	4,527.68	18.43	
14,775.00	90.90	179.29	10,443.75	4,620.42 S	175.76 E	414,852.67	658,134.35	1.54	4,622.68	28.48	
14,870.00	90.23	179.32	10,442.81	4,715.41 S	176.91 E	414,757.68	658,135.50	0.71	4,717.67	177.44	
14,965.00	89.79	180.76	10,442.80	4,810.41 S	176.85 E	414,662.68	658,135.44	1.58	4,812.65	106.99	
15,059.00	90.04	181.18	10,442.94	4,904.39 S	175.25 E	414,568.70	658,133.84	0.52	4,906.60	59.24	
15,154.00	89.89	180.58	10,442.99	4,999.38 S	173.79 E	414,473.71	658,132.38	0.65	5,001.55	-104.04	
15,249.00	89.46	181.91	10,443.53	5,094.36 S	171.73 E	414,378.73	658,130.32	1.47	5,096.48	107.92	
15,343.00	90.12	182.02	10,443.88	5,188.30 S	168.51 E	414,284.79	658,127.10	0.71	5,190.36	9.46	
15,438.00	88.07	182.17	10,445.38	5,283.22 S	165.04 E	414,189.87	658,123.63	2.16	5,285.21	175.82	
15,533.00	89.93	181.62	10,447.04	5,378.15 S	161.89 E	414,094.94	658,120.48	2.04	5,380.08	-16.48	
15,717.00	90.25	180.49	10,446.75	5,562.11 S	158.51 E	413,910.98	658,117.10	0.64	5,563.96	-74.12	SLC @ 15717'MD
15,722.00	90.26	180.46	10,446.72	5,567.11 S	158.46 E	413,905.98	658,117.05	0.64	5,568.96	-74.12	
15,816.00	89.99	179.98	10,446.52	5,661.11 S	158.10 E	413,811.98	658,116.69	0.59	5,662.94	-119.36	
15,911.00	89.13	180.02	10,447.25	5,756.11 S	158.10 E	413,716.98	658,116.69	0.91	5,757.92	177.34	
16,006.00	89.35	180.21	10,448.51	5,851.10 S	157.91 E	413,621.99	658,116.50	0.31	5,852.90	40.81	
16,100.00	89.99	179.96	10,449.05	5,945.10 S	157.77 E	413,527.99	658,116.36	0.73	5,946.88	-21.34	
16,195.00	90.56	180.36	10,448.59	6,040.10 S	157.51 E	413,432.99	658,116.10	0.73	6,041.86	35.06	
16,290.00	89.54	179.46	10,448.51	6,135.09 S	157.66 E	413,338.00	658,116.25	1.43	6,136.85	-138.57	
16,384.00	91.02	180.04	10,448.05	6,229.09 S	158.07 E	413,244.00	658,116.66	1.69	6,230.84	21.40	
16,479.00	90.33	179.76	10,446.93	6,324.08 S	158.23 E	413,149.01	658,116.82	0.78	6,325.82	-157.91	
16,574.00	91.53	179.56	10,445.39	6,419.06 S	158.80 E	413,054.03	658,117.39	1.28	6,420.80	-9.46	
16,668.00	90.78	180.25	10,443.50	6,513.04 S	158.95 E	412,960.05	658,117.54	1.08	6,514.77	137.38	
16,763.00	90.83	180.79	10,442.16	6,608.03 S	158.09 E	412,865.06	658,116.68	0.57	6,609.73	84.71	
16,858.00	89.50	178.38	10,441.89	6,703.02 S	158.78 E	412,770.07	658,117.37	2.90	6,704.72	-118.89	
16,953.00	90.92	177.95	10,441.54	6,797.97 S	161.82 E	412,675.12	658,120.41	1.56	6,799.70	-16.85	

HALLIBURTON**Design Report for Corral Bluff 11-14 Fed Com 34H - 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 (°)	
17,047.00	90.48	177.94	10,440.39	6,891.90 S	165.19 E	412,581.19	658,123.78	0.47	6,893.68	-178.70	
17,142.00	89.65	177.53	10,440.28	6,986.82 S	168.95 E	412,486.27	658,127.54	0.97	6,988.65	-153.71	
17,331.00	89.14	177.78	10,442.28	7,175.65 S	176.68 E	412,297.44	658,135.27	0.30	7,177.58	153.89	
17,426.00	88.73	177.29	10,444.04	7,270.55 S	180.76 E	412,202.54	658,139.35	0.67	7,272.53	-129.93	
17,520.00	88.99	178.01	10,445.91	7,364.45 S	184.62 E	412,108.64	658,143.21	0.81	7,366.48	70.15	
17,615.00	89.58	178.18	10,447.10	7,459.39 S	187.77 E	412,013.70	658,146.36	0.65	7,461.46	16.07	
17,710.00	89.72	178.75	10,447.68	7,554.35 S	190.32 E	411,918.74	658,148.91	0.62	7,556.46	76.20	
17,804.00	89.02	177.64	10,448.71	7,648.30 S	193.28 E	411,824.79	658,151.87	1.40	7,650.44	-122.24	
17,899.00	90.01	178.11	10,449.52	7,743.23 S	196.80 E	411,729.86	658,155.39	1.15	7,745.41	25.40	
17,994.00	89.94	178.10	10,449.56	7,838.18 S	199.94 E	411,634.91	658,158.53	0.07	7,840.40	-171.87	
18,088.00	88.70	178.55	10,450.67	7,932.13 S	202.69 E	411,540.96	658,161.28	1.40	7,934.38	160.06	
18,183.00	90.03	179.17	10,451.73	8,027.10 S	204.58 E	411,445.99	658,163.17	1.54	8,029.37	25.00	
18,277.00	89.47	179.20	10,452.14	8,121.09 S	205.92 E	411,352.00	658,164.51	0.60	8,123.37	176.93	
18,372.00	89.19	178.36	10,453.25	8,216.06 S	207.94 E	411,257.03	658,166.53	0.93	8,218.36	-108.44	
18,467.00	90.06	178.80	10,453.87	8,311.03 S	210.29 E	411,162.06	658,168.88	1.03	8,313.36	26.83	
18,561.00	88.86	178.40	10,454.76	8,404.99 S	212.59 E	411,068.10	658,171.18	1.35	8,407.35	-161.57	
18,656.00	89.27	178.28	10,456.31	8,499.94 S	215.34 E	410,973.15	658,173.93	0.45	8,502.33	-16.31	
18,751.00	89.89	179.27	10,457.00	8,594.92 S	217.37 E	410,878.17	658,175.96	1.23	8,597.32	57.95	
18,846.00	89.75	179.01	10,457.30	8,689.91 S	218.80 E	410,783.18	658,177.39	0.31	8,692.32	-118.30	
18,940.00	89.42	180.35	10,457.98	8,783.90 S	219.32 E	410,689.19	658,177.91	1.47	8,786.31	103.84	
19,035.00	89.91	179.90	10,458.54	8,878.90 S	219.12 E	410,594.19	658,177.71	0.70	8,881.29	-42.56	
19,130.00	89.85	180.66	10,458.74	8,973.89 S	218.65 E	410,499.20	658,177.24	0.80	8,976.27	94.51	
19,224.00	89.48	180.39	10,459.29	9,067.89 S	217.79 E	410,405.20	658,176.38	0.49	9,070.24	-143.88	
19,319.00	89.28	180.83	10,460.31	9,162.88 S	216.78 E	410,310.21	658,175.37	0.51	9,165.20	114.45	
19,414.00	90.09	180.83	10,460.84	9,257.87 S	215.40 E	410,215.22	658,173.99	0.85	9,260.15	0.00	
19,508.00	90.00	181.10	10,460.76	9,351.85 S	213.82 E	410,121.24	658,172.41	0.30	9,354.10	108.43	
19,603.00	91.09	181.59	10,459.86	9,446.82 S	211.59 E	410,026.27	658,170.18	1.26	9,449.02	24.20	
19,698.00	91.03	181.43	10,458.10	9,541.77 S	209.09 E	409,931.32	658,167.68	0.18	9,543.91	-110.56	
19,793.00	90.71	182.02	10,456.66	9,636.72 S	206.23 E	409,836.37	658,164.82	0.71	9,638.80	118.47	
19,887.00	90.51	181.12	10,455.66	9,730.67 S	203.65 E	409,742.42	658,162.24	0.98	9,732.70	-102.52	
19,982.00	90.64	181.15	10,454.70	9,825.65 S	201.77 E	409,647.44	658,160.36	0.14	9,827.64	12.99	
20,077.00	90.57	180.81	10,453.70	9,920.63 S	200.15 E	409,552.46	658,158.74	0.37	9,922.58	-101.63	
20,171.00	90.59	180.52	10,452.75	10,014.62 S	199.06 E	409,458.47	658,157.65	0.31	10,016.54	-86.05	
20,266.00	90.15	180.57	10,452.14	10,109.61 S	198.15 E	409,363.48	658,156.74	0.47	10,111.50	173.52	
20,361.00	90.72	181.13	10,451.42	10,204.60 S	196.74 E	409,268.49	658,155.33	0.84	10,206.45	44.49	
20,456.00	89.94	180.99	10,450.87	10,299.58 S	194.99 E	409,173.51	658,153.58	0.83	10,301.39	-169.82	
20,551.00	89.64	180.32	10,451.22	10,394.57 S	193.90 E	409,078.52	658,152.49	0.77	10,396.35	-114.12	

HALLIBURTON**Design Report for Corral Bluff 11-14 Fed Com 34H - 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)				
20,645.00	89.93	180.35	10,451.57	10,488.57 S	193.35 E	408,984.52	658,151.94	0.31	10,490.33	5.91	
20,835.00	90.50	181.30	10,450.86	10,678.55 S	190.62 E	408,794.54	658,149.21	0.58	10,680.24	59.03	
20,929.00	89.31	181.51	10,451.01	10,772.52 S	188.31 E	408,700.57	658,146.90	1.29	10,774.16	169.82	100HLC @ 20929'MD
20,967.00	88.83	181.60	10,451.63	10,810.50 S	187.28 E	408,662.59	658,145.87	1.29	10,812.11	169.82	Last MWD Svy @ 20967'MD
20,982.66	88.83	181.60	10,451.95	10,826.15 S	186.84 E	408,646.94	658,145.43	0.00	10,827.76	0.00	5 1/2" Casing
20,987.00	88.83	181.60	10,452.04	10,830.49 S	186.72 E	408,642.60	658,145.31	0.00	10,832.09	0.00	Projection to TD @ 20987'MD

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,790.00	9,789.83	-26.19	-6.63	Tie-in @ 9790'MD
9,853.00	9,852.79	-27.79	-5.68	First MWD Svy @ 9853'MD
10,359.00	10,287.41	-250.69	36.04	SLC @ 10359'MD
10,483.00	10,356.99	-350.57	59.01	100HLC @ 10483'MD
10,633.00	10,416.94	-484.17	90.09	Enter 50ft L/R @ 10633'MD
15,717.00	10,446.75	-5,562.11	158.51	SLC @ 15717'MD
20,929.00	10,451.01	-10,772.52	188.31	100HLC @ 20929'MD
20,967.00	10,451.63	-10,810.50	187.28	Last MWD Svy @ 20967'MD
20,987.00	10,452.04	-10,830.49	186.72	Projection to TD @ 20987'MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/-S (usft)	+E/-W (usft)	
Target	CB 11-14 34H BHL	179.06	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
147.00	661.00	Surface	3_MWD+IFR1+Sag
771.00	9,790.00	Intermediate	Superior
9,853.00	20,967.00	Production	MWD+IFR1+SAG+FDIR
20,987.00	20,987.00	Projection to TD	Superior
			MWD+IFR1+SAG+FDIR
			3_Blind



Design Report for Corral Bluff 11-14 Fed Com 34H - Final Surveys

Casing Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)
9,811.18	9,811.00	7 5/8" Casing	7.625	9.875
20,982.66		5 1/2" Casing	5.500	6.750

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	()	()	()	()	()	()	()		
- Shape									
()									

Directional Difficulty Index

Average Dogleg over Survey:	1.00 °/100ft	Maximum Dogleg over Survey:	11.45 °/100ft at 10,704.00 usft
Net Tortousity applicable to Plans:	0.54 °/100ft	Directional Difficulty Index:	6.659

Audit Info

HALLIBURTON**North Reference Sheet for Corral Bluff 11-14 - Corral Bluff 11-14 Fed Com 34H - 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 3062.3' + RKB 25' @ 3087.30usft (Patterson 882). Northing and Easting are relative to Corral Bluff 11-14 Fed Com 34H

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: 0.99992467

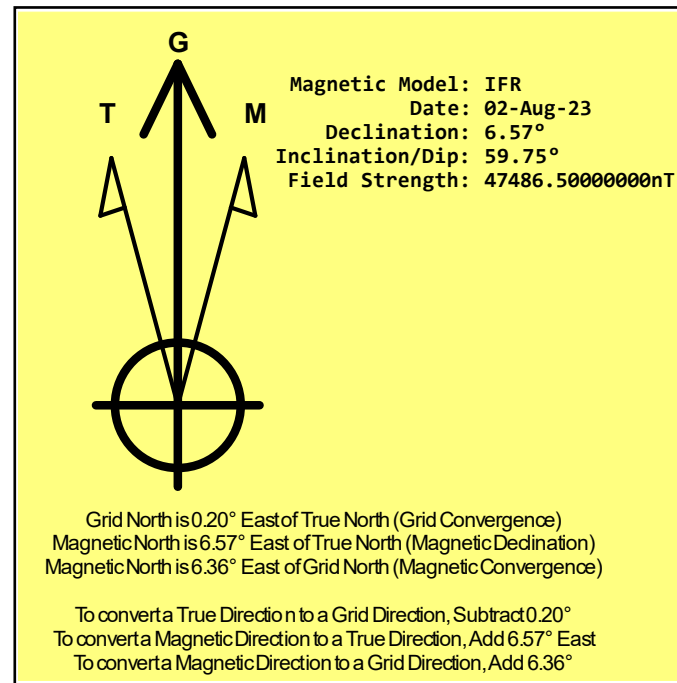
Grid Coordinates of Well: 419,473.09 usft N, 657,958.59 usft E

Geographical Coordinates of Well: 32° 9' 9.536 N, 103° 57' 23.390 W

Grid Convergence at Surface is: 0.20°

Based upon Minimum Curvature type calculations, at a Measured Depth of 20,987.00usft
the Bottom Hole Displacement is 10,832.10usft in the Direction of 179.01° (Grid).

Magnetic Convergence at surface is: -6.36° (2 August 2023, , IFR)



Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Well Name: CORRAL BLUFF 11_14 FEDERAL COM	Well Location: T25S / R29E / SEC 2 / SESW / 32.152649 / -103.956497	County or Parish/State: EDDY / NM
Well Number: 34H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM15303	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001547770	Well Status: Producing Oil Well	Operator: OXY USA INCORPORATED

Subsequent Report

Sundry ID: 2763429

Type of Submission: Subsequent Report	Type of Action: Workover Operations
Date Sundry Submitted: 11/28/2023	Time Sundry Submitted: 07:43
Date Operation Actually Began: 09/12/2023	

Actual Procedure: RUPU 09/12/23, RIH & clean out to PBTD @ 20942', pressure test casing to 6000# for 30 min, good test. RIH & perf @ 10539-20846' Total 1260 holes. Frac in 42 stages w/ 346855BBL Produced Water + 100602BBL Brackish Water (> 1,000 mg/I TDS and 10,000 mg/I TDS) w/ 25865390# sand, RD NexTier 09/26/23. Well ready to produce 10/09/23. OXY USA Inc. requests a tubing exception while continuing to flow back this well. The estimated date of tubing install is 01/15/2024.

Well Name: CORRAL BLUFF 11_14 FEDERAL COM	Well Location: T25S / R29E / SEC 2 / SESW / 32.152649 / -103.956497	County or Parish/State: EDDY / NM
Well Number: 34H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM15303	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001547770	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: NOV 28, 2023 07:42 PM
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: 12/21/2023
Signature: Jonathon Shepard	

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG						1. WELL API NO. 30-015-47770				
						2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN				
						3. State Oil & Gas Lease No.				
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)						5. Lease Name or Unit Agreement Name CORRAL BLUFF 11-14 FEDERAL COM				
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER						6. Well Number: 34H				
8. Name of Operator: OXY USA INC.						9. OGRID: 16696				
10. Address of Operator: P.O. BOX 50250 MIDLAND, TX 79710						11. Pool name or Wildcat PURPLE SAGE WOLFCAMP				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	N	2	25S	29E		251	SOUTH	2241	WEST	EDDY
BH:	N	14	25S	29E		42	SOUTH	2389	WEST	EDDY
13. Date Spudded 06/29/23	14. Date T.D. Reached 08/09/2023		15. Date Rig Released 08/11/2023		16. Date Completed (Ready to Produce) 10/09/2023		17. Elevations (DF and RKB, RT, GR, etc.) 3062' GL			
18. Total Measured Depth of Well 20987'M 10452'V			19. Plug Back Measured Depth 20942'M 10451'V		20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run CBL			
22. Producing Interval(s), of this completion - Top, Bottom, Name 10539-20846' WOLFCAMP										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
10.75" J55		45.5		736'		14.75"		600sx-surf circ		
7.625" HCL80		26.4		9810'		9.875"		2149sx-surf		
5.5" P110		20		20967'		6.75"		870sx-TOC@7996'		
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD					
					SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number) 10539-20846' Total 1260 holes, Hole Size=0.42					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					10539-20846'		346855BBL Produced Water + 100602BBL Brackish Water (> 1,000 mg/l TDS and < 10,000 mg/l TDS) w/ 25865390# sand			
28. PRODUCTION										
Date First Production 10/13/2023		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) Prod.				
Date of Test 10/25/2023	Hours Tested 24 hrs.	Choke Size 56	Prod'n For Test Period	Oil - Bbl 2849	Gas - MCF 6296	Water - Bbl. 5430	Gas - Oil Ratio 2210			
Flow Tubing Press.	Casing Pressure 1892	Calculated 24- Hour Rate	Oil - Bbl. 2849	Gas - MCF 6296	Water - Bbl. 5430	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD							30. Test Witnessed By			
31. List Attachments WBD										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude _____ Longitude _____ NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Printed										
Signature: <u>Jana Mendiola</u> Name: <u>Jana Mendiola</u> Title: <u>Sr. Regulatory Analyst</u> Date: <u>01/07/2024</u>										
E-mail Address: <u>janalyn_mendiola@oxy.com</u>										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Rustler 450'	T. Bell Canyon 3256'	T. Ojo Alamo	T. Penn A"
T. Salado 955'	T. Strawn	T. Kirtland	T. Penn. "B"
T. Castile 2018'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Delaware 3208'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. Cherry Canyon 4125'	T. Devonian	T. Cliff House	T. Leadville
T. Brushy Canyon 5336'	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Spring 6965'	T. Todilto	
T. Abo	T. 1 st Bone Spring 7885'	T. Entrada	
T. Wolfcamp 10172'	T. 2 nd Bone Spring 8747'	T. Wingate	
T. Penn	T. 3 rd Bone Spring 9744'	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

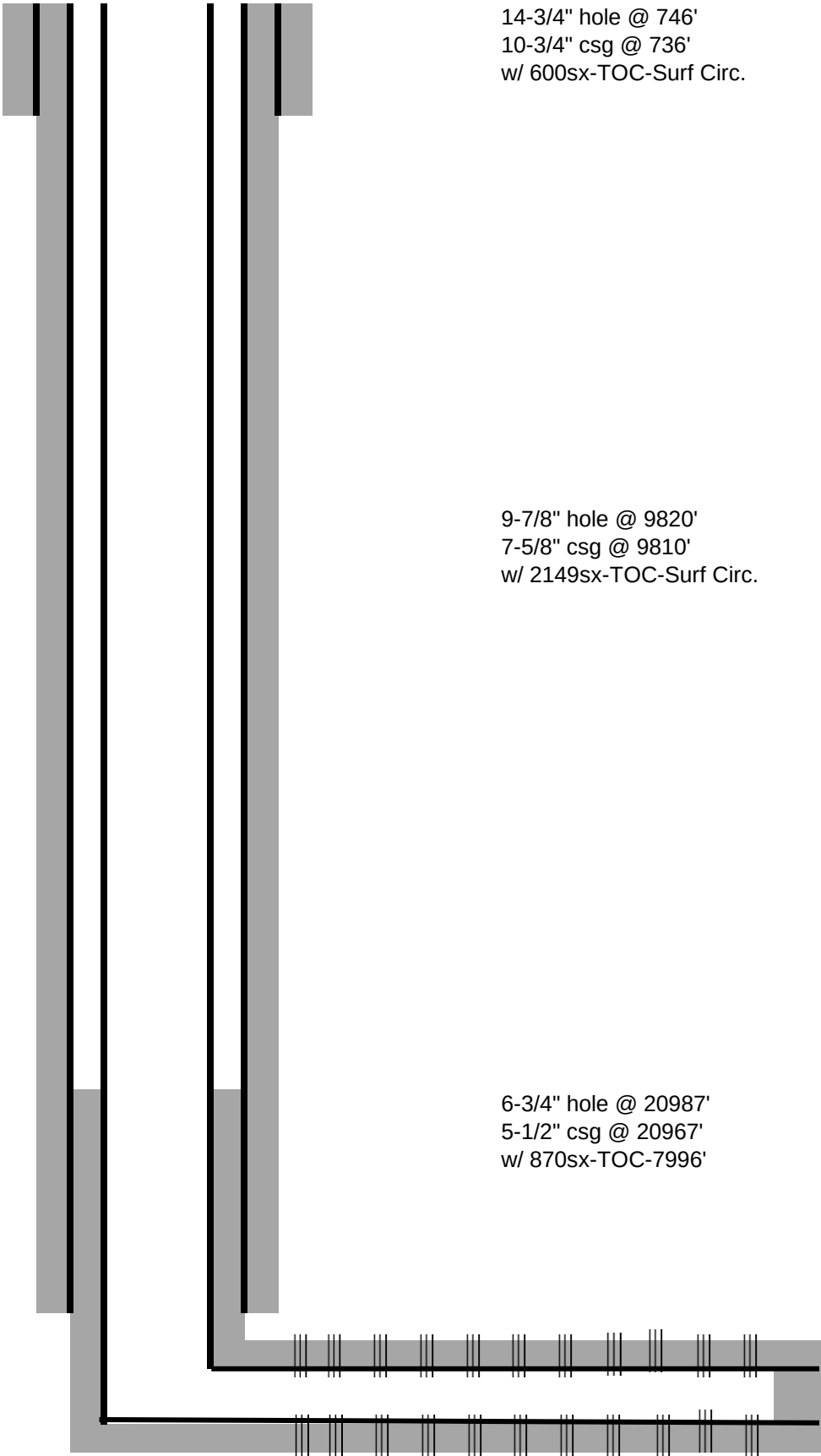
No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

Continuation of Form 100 (When additional sheet is necessary)

From	To	Thickness In Feet	Lithology

OXY USA Inc.
CORRAL BLUFF 11-14 FEDERAL COM 34H
API No. 30-015-47770



Perfs @ 10539-20846'

TD- 20987'M 10452'V

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 300723

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 300723
	Action Type: [C-104] Completion Packet (C-104C)

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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 300723

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 300723
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 within 10 days of BLM approval.	1/23/2024
plmartinez	Submit CBL to OCD Permitting as [UF-WL] EP Well Log Submission.	1/23/2024