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

State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number: 16696
OXY USA INC. P.O. BOX 50250 MIDLAND, TX 79710	[3] Reason for Filing Code/ Effective Date: NW - 02/07/2024

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 015-54050	COTTON DRAW; BONE SPRING	13367
[7] Property Code: 334580	[8] Property Name: CHUCK SMITH MDP1 8-17 FEDERAL COM	[9] Well Number: 5H

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
B	8	24S	31E		701	NORTH	1335	EAST	EDDY

[11] Bottom Hole Location FTP- 326' FNL 595' FEL LTP- 186' FSL 362' FEL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	24S	31E		48	SOUTH	364	EAST	EDDY

[12] Lse Code	[13] Producing Method Code :	[14] Gas Connection Date:	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F	P	02/07/24			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
237722	CENTURION PIPELINE L.P.	O
151618	ENTERPRISE FIELD SERVICES LLC	G

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
10/13/23	02/07/2024	21328'M 10819'V	21260'M 10820'V	11092-21190'	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
14-3/4"	10-3/4"	811'	790
9-7/8"	7-5/8"	10564'	2490
6-3/4"	5-1/2"	21308'	851
	2-3/8" tbg	10818'	na

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
02/08/24	02/07/24	02/10/24	24 HRS		1250
[37] Choke Size	[38] Oil	[39] Water	[40] Gas		[41] Test Method
60	3510	5456	5124		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: REGULATORY ADVISOR

E-mail Address: Janalyn_mendiola@oxy.com

Date: 04/25/2024

Phone: 432-685-5936

OIL CONSERVATION DIVISION

Approved by: *PATRICIA MARTINEZ*

Title: *PETROLEUM SPECIALIST*

Approval Date: *5/29/2024*

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102 Revised August 1, 2011
Submit one copy to appropriate District Office

☑ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-54050	13367	COTTON DRAW; BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
334580	CHUCK SMITH MDP1 8_17 FED COM	5H

[7] OGRID No.	[8] Operator Name	[9] Elevation
16696	OXY USA INC.	3463'

[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
B	8	24S	31E		701	NORTH	1335	EAST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	24S	31E		48	SOUTH	364	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640.00			

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.

[16]

SHL (NAD83)
X:707581.14' / Y:450438.20'
LAT:32.23718672 / LON:-103.79565756
SHL (NAD27)
X:666397.22' / Y:450379.18'
LAT:32.23706349 / LON:-103.79517314

KOP (NAD83)
X:708284.26' / Y:451146.59'
LAT:32.23912423 / LON:-103.79337205
KOP (NAD27)
X:667100.36' / Y:451087.55'
LAT:32.23900101 / LON:-103.79288760

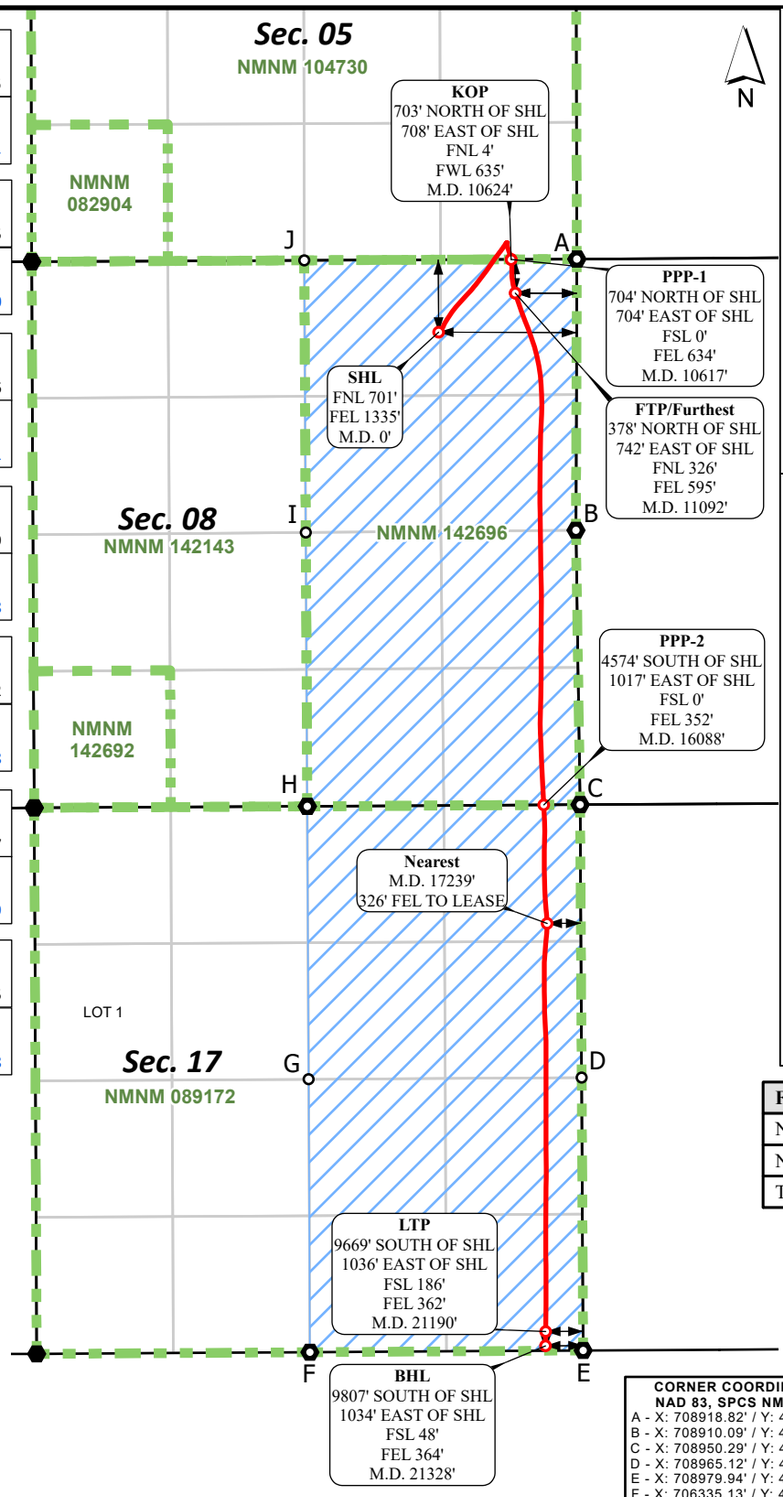
PPP-1 (NAD83)
X:708284.68' / Y:451142.44'
LAT:32.23911283 / LON:-103.79337076
PPP-1 (NAD27)
X:667100.78' / Y:451083.40'
LAT:32.23898959 / LON:-103.79288631

FTP (NAD83)
X:708322.71' / Y:450816.31'
LAT:32.23821584 / LON:-103.79325309
FTP (NAD27)
X:667138.79' / Y:450757.28'
LAT:32.23809260 / LON:-103.79276868

PPP-2 (NAD83)
X:708598.17' / Y:445864.69'
LAT:32.22460110 / LON:-103.79244282
PPP-2 (NAD27)
X:667414.08' / Y:445805.77'
LAT:32.22447774 / LON:-103.79195908

LTP (NAD83)
X:708616.87' / Y:440769.41'
LAT:32.21059501 / LON:-103.79246527
LTP (NAD27)
X:667432.60' / Y:440710.61'
LAT:32.21047152 / LON:-103.79198219

BHL (NAD83)
X:708615.47' / Y:440631.43'
LAT:32.21021575 / LON:-103.79247205
BHL (NAD27)
X:667431.19' / Y:440572.63'
LAT:32.21009226 / LON:-103.79198898



[17] 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 04/25/24
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 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.

Lloyd P. Short
Date of Survey: APRIL 2, 2024
Signature and Seal of Professional Surveyor

FEDERAL LEASE ID	LENGTH
NMNM142696	4991.82'
NMNM089172	5097.83'
TOTAL	10089.65'

CORNER COORDINATES NAD 83, SPCS NM EAST	CORNER COORDINATES NAD 27, SPCS NM EAST
A - X: 708918.82' / Y: 451145.50'	A - X: 667734.92' / Y: 451086.46'
B - X: 708910.09' / Y: 448521.63'	B - X: 667726.09' / Y: 448462.66'
C - X: 708950.29' / Y: 445866.89'	C - X: 667766.19' / Y: 445807.98'
D - X: 708965.12' / Y: 443226.55'	D - X: 667780.93' / Y: 443167.69'
E - X: 708979.94' / Y: 440586.20'	E - X: 667795.66' / Y: 440527.41'
F - X: 706335.13' / Y: 440568.92'	F - X: 665150.86' / Y: 440510.12'
G - X: 706322.46' / Y: 443210.66'	G - X: 665138.28' / Y: 443151.81'
H - X: 706309.79' / Y: 445850.38'	H - X: 665125.71' / Y: 445791.46'
I - X: 706295.17' / Y: 448500.08'	I - X: 665111.18' / Y: 448441.10'
J - X: 706280.65' / Y: 451132.79'	J - X: 665096.75' / Y: 451073.75'

Drill Line Events ⬢ Corners ▬ Drill Line ⟷ Dimension Lines Federal Leases HSU

All bearings and coordinates refer to New Mexico State Plane coordinate system, East Zone, U.S. Survey Feet.

SHEET 1 OF 1
JOB No. R4289_004
REV 0 TCS 4/1/2024

Distances/areas relative to NAD 83 grid measurements. Combined Scale Factor: 0.99977581 and a Convergence Angle: 0.27195800°

Occidental Petroleum Corporation

FINAL Plan Vs Actual

Project: Eddy County, NM (NAD83)
Site: Chuck Smith MDP1 18-17
Well: Chuck Smith MDP1 8-17 Fed Com 5H
Wellbore: OH_54050
Design: P1
Rig: Patterson 882

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

T G M

Azimuths to Grid North
True North: -0.29°
Magnetic North: 6.25°

Magnetic Field
Strength: 47487.6nT
Dip Angle: 59.83°
Date: 11/28/2023
Model: IFR

WELL DETAILS

GL 3463' + RKB 25' @ 3488.00usft (Patterson 882)

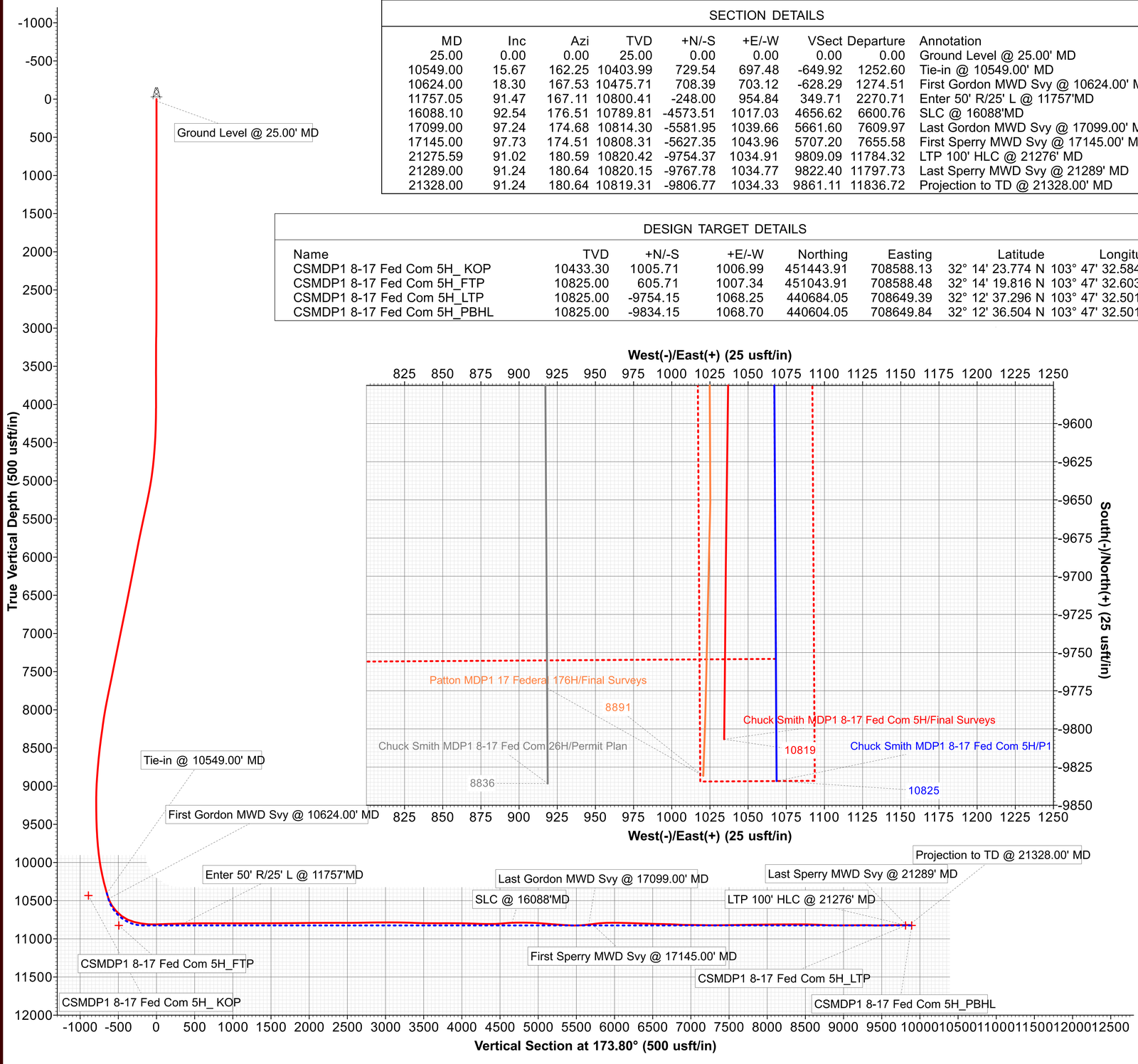
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude
0.00	0.00	450438.20	707581.14	32° 14' 13.872 N	103° 47' 44.367 W

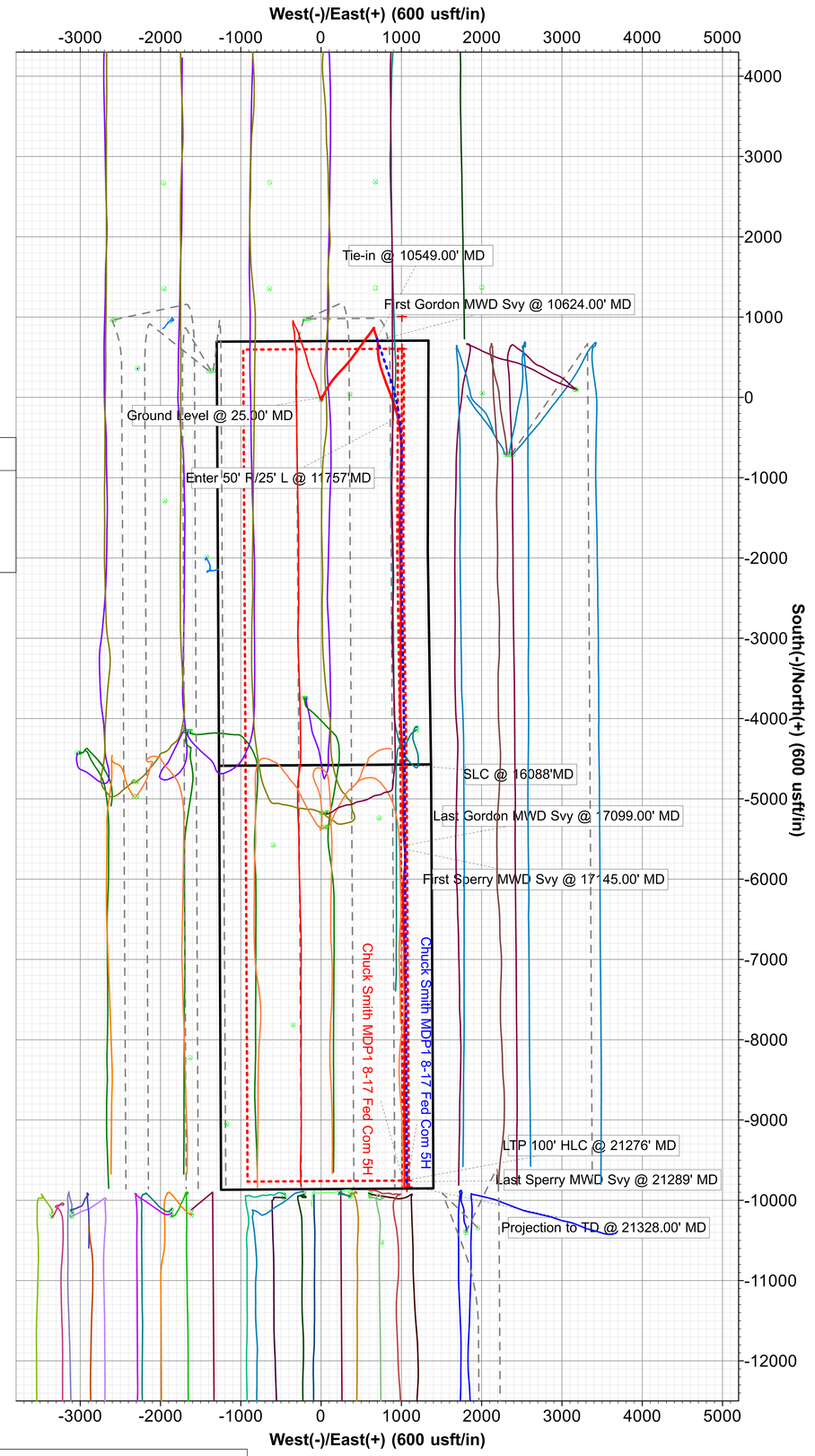
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	Ground Level @ 25.00' MD
10549.00	15.67	162.25	10403.99	729.54	697.48	-649.92	1252.60	Tie-in @ 10549.00' MD
10624.00	18.30	167.53	10475.71	708.39	703.12	-628.29	1274.51	First Gordon MWD Svy @ 10624.00' MD
11757.05	91.47	167.11	10800.41	-248.00	954.84	349.71	2270.71	Enter 50' R/25' L @ 11757'MD
16088.10	92.54	176.51	10789.81	-4573.51	1017.03	4656.62	6600.76	SLC @ 16088'MD
17099.00	97.24	174.68	10814.30	-5581.95	1039.66	5661.60	7609.97	Last Gordon MWD Svy @ 17099.00' MD
17145.00	97.73	174.51	10808.31	-5627.35	1043.96	5707.20	7655.58	First Sperry MWD Svy @ 17145.00' MD
21275.59	91.02	180.59	10820.42	-9754.37	1034.91	9809.09	11784.32	LTP 100' HLC @ 21276' MD
21289.00	91.24	180.64	10820.15	-9767.78	1034.77	9822.40	11797.73	Last Sperry MWD Svy @ 21289' MD
21328.00	91.24	180.64	10819.31	-9806.77	1034.33	9861.11	11836.72	Projection to TD @ 21328.00' MD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
CSMDP1 8-17 Fed Com 5H_ KOP	10433.30	1005.71	1006.99	451443.91	708588.13	32° 14' 23.774 N	103° 47' 32.584 W
CSMDP1 8-17 Fed Com 5H_FTP	10825.00	605.71	1007.34	451043.91	708588.48	32° 14' 19.816 N	103° 47' 32.603 W
CSMDP1 8-17 Fed Com 5H_LTP	10825.00	-9754.15	1068.25	440684.05	708649.39	32° 12' 37.296 N	103° 47' 32.501 W
CSMDP1 8-17 Fed Com 5H_PBHL	10825.00	-9834.15	1068.70	440604.05	708649.84	32° 12' 36.504 N	103° 47' 32.501 W





Target Center Line
10,825' TVD @ 0' VS; 90.00°INC

Created By: M Hudson
Date: 9:35, January 09 2024

HALLIBURTON | Sperry Drilling

Job# 909012420

Patterson 882

Occidental Petroleum Corporation

Eddy County, NM (NAD83) Chuck Smith MDP1 18-17

API# 30-015-54050

Chuck Smith MDP1 8-17 Fed Com 5H

701 FNL, 1335 FEL

OH_54050

Design: Final Surveys

Sperry Drilling Services

Combo Report

09 January, 2024

Well Coordinates:	32° 14' 13.872 N 103° 47' 44.367 W	North American Datum 1983 New Mexico Eastern Zone 450,438.20 N 707,581.14 E

Ground Level: 3,463.00 usft

Local Coordinate Origin:	Centered on Well Chuck Smith MDP1 8-17 Fed Com 5H
Viewing Datum:	GL 3463' + RKB 25' @ 3488.00usft (Patterson 882)
TVDs to System:	N
North Reference:	**Grid**
Unit System:	API-US Survey Feet

Version: 5000.17 Build:

Report Version: Midcon Combo v1.15

HALLIBURTON

Occidental Petroleum Corporation

HALLIBURTON

Eddy County, NM (NAD83)

Design Report for Chuck Smith MDP1 8-17 Fed Com 5H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates Northing (usft)	Local Coordinates Easting (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
0.00	0.00	0.00	0.00	0.00 N	0.00 E	450,438.20	707,581.14	0.00	0.00	0.00	
25.00	0.00	0.00	25.00	0.00 N	0.00 E	450,438.20	707,581.14	0.00	0.00	0.00	Ground Level @ 25.00' MD
118.00	0.52	246.16	118.00	0.17 S	0.39 W	450,438.03	707,580.75	0.56	0.13	246.16	
212.00	0.44	263.03	212.00	0.39 S	1.13 W	450,437.81	707,580.01	0.17	0.26	127.77	
306.00	0.27	223.89	305.99	0.59 S	1.65 W	450,437.61	707,579.49	0.31	0.41	-143.53	
400.00	0.13	115.01	399.99	0.79 S	1.70 W	450,437.41	707,579.44	0.36	0.61	-158.49	
494.00	0.34	96.74	493.99	0.87 S	1.33 W	450,437.33	707,579.81	0.23	0.72	-28.93	
588.00	0.62	89.03	587.99	0.90 S	0.54 W	450,437.30	707,580.60	0.31	0.83	-16.86	
682.00	0.92	82.90	681.98	0.79 S	0.71 E	450,437.41	707,581.85	0.33	0.87	-18.43	
776.00	1.36	80.96	775.96	0.53 S	2.56 E	450,437.67	707,583.70	0.47	0.80	-5.98	
933.00	1.50	75.35	932.91	0.29 N	6.39 E	450,438.49	707,587.53	0.13	0.41	-47.83	
1,028.00	1.61	76.35	1,027.88	0.92 N	8.89 E	450,439.12	707,590.03	0.12	0.05	14.36	
1,122.00	1.43	82.42	1,121.84	1.38 N	11.34 E	450,439.58	707,592.48	0.26	-0.15	141.19	
1,217.00	1.27	79.83	1,216.82	1.72 N	13.55 E	450,439.92	707,594.69	0.18	-0.25	-160.42	
1,406.00	0.18	59.35	1,405.80	2.25 N	15.87 E	450,440.45	707,597.01	0.58	-0.52	-176.73	
1,501.00	0.20	84.96	1,500.80	2.34 N	16.16 E	450,440.54	707,597.30	0.09	-0.58	89.77	
1,596.00	0.17	231.73	1,595.80	2.26 N	16.21 E	450,440.46	707,597.35	0.37	-0.50	164.77	
1,690.00	0.17	239.33	1,689.80	2.11 N	15.98 E	450,440.31	707,597.12	0.02	-0.37	93.80	
1,785.00	0.14	244.01	1,784.80	1.98 N	15.76 E	450,440.18	707,596.90	0.03	-0.27	159.45	
1,879.00	0.18	313.87	1,878.80	2.03 N	15.55 E	450,440.23	707,596.69	0.20	-0.34	114.78	
1,974.00	0.17	269.71	1,973.80	2.14 N	15.30 E	450,440.34	707,596.44	0.14	-0.47	-116.11	
2,164.00	0.15	213.66	2,163.80	1.93 N	14.88 E	450,440.13	707,596.02	0.08	-0.31	-124.72	
2,258.00	0.06	43.73	2,257.80	1.86 N	14.85 E	450,440.06	707,595.99	0.22	-0.25	-177.13	
2,353.00	0.05	84.48	2,352.80	1.90 N	14.92 E	450,440.10	707,596.06	0.04	-0.28	124.13	
2,448.00	0.13	256.28	2,447.80	1.88 N	14.86 E	450,440.08	707,596.00	0.19	-0.26	174.08	
2,542.00	0.08	173.17	2,541.80	1.79 N	14.76 E	450,439.99	707,595.90	0.15	-0.18	-146.59	
2,637.00	0.08	317.94	2,636.80	1.77 N	14.73 E	450,439.97	707,595.87	0.16	-0.17	162.38	
2,732.00	0.13	347.62	2,731.80	1.93 N	14.66 E	450,440.13	707,595.80	0.08	-0.33	62.90	
2,826.00	0.34	343.58	2,825.80	2.30 N	14.56 E	450,440.50	707,595.70	0.22	-0.71	-6.53	
2,921.00	0.18	315.20	2,920.80	2.68 N	14.37 E	450,440.88	707,595.51	0.21	-1.11	-154.78	
3,016.00	0.63	352.79	3,015.79	3.30 N	14.20 E	450,441.50	707,595.34	0.53	-1.75	50.29	
3,111.00	1.29	359.48	3,110.78	4.89 N	14.13 E	450,443.09	707,595.27	0.70	-3.33	12.99	
3,205.00	0.80	345.39	3,204.76	6.58 N	13.95 E	450,444.78	707,595.09	0.58	-5.03	-159.25	
3,300.00	0.17	324.82	3,299.76	7.34 N	13.70 E	450,445.54	707,594.84	0.68	-5.81	-174.67	
3,394.00	0.23	273.73	3,393.76	7.46 N	13.43 E	450,445.66	707,594.57	0.19	-5.97	-98.12	
3,489.00	0.27	91.95	3,488.76	7.47 N	13.47 E	450,445.67	707,594.61	0.53	-5.97	179.04	

Occidental Petroleum Corporation

HALLIBURTON

Eddy County, NM (NAD83)

Design Report for Chuck Smith MDP1 8-17 Fed Com 5H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates Northing (usft)	Local Coordinates Easting (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
3,583.00	0.22	57.14	3,582.76	7.56 N	13.84 E	450,445.76	707,594.98	0.16	-6.02	-125.44	
3,678.00	0.30	110.44	3,677.76	7.57 N	14.23 E	450,445.77	707,595.37	0.26	-5.99	99.61	
3,772.00	0.45	58.10	3,771.76	7.68 N	14.77 E	450,445.88	707,595.91	0.38	-6.04	-94.02	
3,867.00	0.34	106.66	3,866.75	7.80 N	15.36 E	450,446.00	707,596.50	0.36	-6.09	131.43	
3,961.00	0.34	120.56	3,960.75	7.57 N	15.87 E	450,445.77	707,597.01	0.09	-5.82	96.95	
4,056.00	0.89	50.50	4,055.75	7.90 N	16.68 E	450,446.10	707,597.82	0.88	-6.05	-92.49	
4,151.00	1.43	52.19	4,150.73	9.10 N	18.18 E	450,447.30	707,599.32	0.57	-7.08	4.47	
4,246.00	2.04	41.80	4,245.68	11.08 N	20.25 E	450,449.28	707,601.39	0.72	-8.83	-32.54	
4,340.00	2.66	34.95	4,339.60	14.12 N	22.61 E	450,452.32	707,603.75	0.72	-11.59	-27.82	
4,435.00	3.61	28.28	4,434.46	18.56 N	25.29 E	450,456.76	707,606.43	1.07	-15.72	-24.36	
4,530.00	4.40	27.30	4,529.23	24.43 N	28.38 E	450,462.63	707,609.52	0.83	-21.22	-5.44	
4,624.00	5.34	25.41	4,622.89	31.59 N	31.91 E	450,469.79	707,613.05	1.01	-27.96	-10.63	
4,719.00	6.51	27.37	4,717.38	40.36 N	36.28 E	450,478.56	707,617.42	1.25	-36.21	10.79	
4,814.00	7.63	28.05	4,811.65	50.71 N	41.73 E	450,488.91	707,622.87	1.18	-45.91	4.61	
4,908.00	9.05	26.35	4,904.66	62.85 N	47.94 E	450,501.05	707,629.08	1.53	-57.30	-10.69	
5,003.00	10.91	27.91	4,998.22	77.49 N	55.47 E	450,515.69	707,636.61	1.98	-71.04	9.04	
5,098.00	12.56	29.38	5,091.23	94.43 N	64.74 E	450,532.63	707,645.88	1.76	-86.89	10.99	
5,193.00	13.86	30.49	5,183.71	113.24 N	75.58 E	450,551.44	707,656.72	1.39	-104.41	11.58	
5,287.00	14.27	32.48	5,274.90	132.71 N	87.52 E	450,570.91	707,668.66	0.67	-122.48	50.68	
5,382.00	15.67	33.39	5,366.67	153.30 N	100.87 E	450,591.50	707,682.01	1.49	-141.51	9.97	
5,476.00	16.30	34.74	5,457.03	174.74 N	115.37 E	450,612.94	707,696.51	0.78	-161.26	31.20	
5,571.00	16.28	36.08	5,548.22	196.46 N	130.81 E	450,634.66	707,711.95	0.40	-181.18	93.69	
5,665.00	16.27	37.44	5,638.45	217.56 N	146.57 E	450,655.76	707,727.71	0.41	-200.46	92.16	
5,760.00	16.09	39.31	5,729.69	238.32 N	163.00 E	450,676.52	707,744.14	0.58	-219.31	109.95	
5,855.00	16.41	40.83	5,820.90	258.66 N	180.12 E	450,696.86	707,761.26	0.56	-237.68	53.78	
5,949.00	16.02	42.40	5,911.16	278.28 N	197.55 E	450,716.48	707,778.69	0.62	-255.31	132.41	
6,044.00	16.73	42.82	6,002.30	297.99 N	215.68 E	450,736.19	707,796.82	0.76	-272.95	9.67	
6,139.00	16.30	42.71	6,093.38	317.82 N	234.02 E	450,756.02	707,815.16	0.45	-290.67	-175.89	
6,233.00	16.49	42.84	6,183.56	337.29 N	252.03 E	450,775.49	707,833.17	0.21	-308.09	10.99	
6,328.00	16.44	42.93	6,274.67	357.02 N	270.36 E	450,795.22	707,851.50	0.06	-325.72	153.01	
6,422.00	16.65	42.30	6,364.77	376.72 N	288.48 E	450,814.92	707,869.62	0.29	-343.35	-40.81	
6,517.00	16.25	41.38	6,455.89	396.76 N	306.43 E	450,834.96	707,887.57	0.50	-361.33	-147.36	
6,612.00	16.26	40.62	6,547.09	416.83 N	323.87 E	450,855.03	707,905.01	0.22	-379.40	-87.67	
6,707.00	15.76	40.03	6,638.40	436.80 N	340.83 E	450,875.00	707,921.97	0.55	-397.42	-162.26	
6,802.00	16.31	37.98	6,729.71	457.20 N	357.34 E	450,895.40	707,938.48	0.83	-415.92	-46.82	
6,896.00	15.92	38.06	6,820.01	477.75 N	373.41 E	450,915.95	707,954.55	0.42	-434.61	176.78	
6,991.00	15.66	37.51	6,911.43	498.18 N	389.25 E	450,936.38	707,970.39	0.32	-453.21	-150.34	

Occidental Petroleum Corporation

HALLIBURTON

Eddy County, NM (NAD83)

Design Report for Chuck Smith MDP1 8-17 Fed Com 5H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates Northing (usft)	Local Coordinates Easting (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
7,085.00	15.57	37.31	7,001.96	518.28 N	404.62 E	450,956.48	707,985.76	0.11	-471.53	-149.21	
7,180.00	15.32	36.56	7,093.53	538.50 N	419.82 E	450,976.70	708,000.96	0.34	-489.99	-141.74	
7,275.00	15.15	36.55	7,185.19	558.55 N	434.69 E	450,996.75	708,015.83	0.18	-508.32	-179.12	
7,370.00	15.35	36.44	7,276.85	578.64 N	449.55 E	451,016.84	708,030.69	0.21	-526.69	-8.28	
7,464.00	15.36	36.21	7,367.49	598.70 N	464.30 E	451,036.90	708,045.44	0.07	-545.03	-80.79	
7,559.00	15.00	35.19	7,459.18	618.89 N	478.81 E	451,057.09	708,059.95	0.47	-563.54	-143.92	
7,654.00	15.21	35.57	7,550.89	639.08 N	493.15 E	451,077.28	708,074.29	0.24	-582.06	25.43	
7,748.00	14.87	35.57	7,641.67	658.92 N	507.34 E	451,097.12	708,088.48	0.36	-600.25	180.00	
7,843.00	15.41	35.05	7,733.38	679.17 N	521.68 E	451,117.37	708,102.82	0.59	-618.83	-14.37	
7,938.00	15.20	35.28	7,825.01	699.67 N	536.12 E	451,137.87	708,117.26	0.23	-637.65	163.99	
8,033.00	14.92	35.76	7,916.74	719.76 N	550.46 E	451,157.96	708,131.60	0.32	-656.08	156.22	
8,127.00	12.95	37.45	8,007.97	737.94 N	563.94 E	451,176.14	708,145.08	2.14	-672.70	169.15	
8,222.00	12.84	38.40	8,100.58	754.66 N	576.97 E	451,192.86	708,158.11	0.25	-687.91	117.89	
8,317.00	10.74	39.11	8,193.57	769.81 N	589.11 E	451,208.01	708,170.25	2.22	-701.66	176.40	
8,411.00	10.49	36.37	8,285.96	783.49 N	599.71 E	451,221.69	708,180.85	0.60	-714.12	-117.69	
8,506.00	10.67	33.72	8,379.34	797.77 N	609.72 E	451,235.97	708,190.86	0.55	-727.23	-71.00	
8,600.00	8.54	34.61	8,472.02	810.76 N	618.51 E	451,248.96	708,199.65	2.27	-739.19	176.45	
8,695.00	8.51	34.67	8,565.97	822.34 N	626.52 E	451,260.54	708,207.66	0.03	-749.84	163.52	
8,790.00	6.55	33.51	8,660.15	832.64 N	633.51 E	451,270.84	708,214.65	2.07	-759.33	-176.14	
8,884.00	6.76	33.61	8,753.51	841.72 N	639.53 E	451,279.92	708,220.67	0.22	-767.70	3.21	
8,979.00	5.22	34.47	8,847.99	849.94 N	645.07 E	451,288.14	708,226.21	1.62	-775.27	177.09	
9,073.00	4.98	32.43	8,941.62	856.91 N	649.68 E	451,295.11	708,230.82	0.32	-781.70	-143.94	
9,168.00	3.33	48.30	9,036.37	862.23 N	653.95 E	451,300.43	708,235.09	2.10	-786.53	152.87	
9,263.00	2.94	64.53	9,131.23	865.11 N	658.21 E	451,303.31	708,239.35	1.02	-788.93	121.68	
9,357.00	0.28	236.94	9,225.19	866.02 N	660.20 E	451,304.22	708,241.34	3.42	-789.63	179.34	
9,452.00	0.81	193.23	9,320.19	865.24 N	659.85 E	451,303.44	708,240.99	0.67	-788.89	-61.37	
9,547.00	1.92	191.70	9,415.16	863.03 N	659.37 E	451,301.23	708,240.51	1.17	-786.74	-2.65	
9,641.00	2.06	176.56	9,509.10	859.80 N	659.15 E	451,298.00	708,240.29	0.58	-783.55	-82.74	
9,736.00	2.76	182.05	9,604.02	855.81 N	659.17 E	451,294.01	708,240.31	0.78	-779.59	21.01	
9,830.00	4.07	174.62	9,697.85	850.23 N	659.41 E	451,288.43	708,240.55	1.47	-774.01	-22.40	
9,925.00	5.30	166.16	9,792.53	842.61 N	660.77 E	451,280.81	708,241.91	1.48	-766.29	-33.59	
10,020.00	6.65	165.68	9,887.01	833.02 N	663.18 E	451,271.22	708,244.32	1.42	-756.50	-2.36	
10,114.00	8.78	161.98	9,980.16	820.92 N	666.75 E	451,259.12	708,247.89	2.33	-744.08	-14.97	
10,209.00	10.58	160.10	10,073.80	805.82 N	671.96 E	451,244.02	708,253.10	1.92	-728.51	-10.89	
10,304.00	12.14	160.92	10,166.94	788.18 N	678.19 E	451,226.38	708,259.33	1.65	-710.30	6.31	
10,398.00	14.54	161.99	10,258.40	767.62 N	685.07 E	451,205.82	708,266.21	2.57	-689.11	6.39	
10,493.00	15.80	161.81	10,350.08	743.99 N	692.80 E	451,182.19	708,273.94	1.33	-664.79	-2.23	

Occidental Petroleum Corporation

HALLIBURTON

Eddy County, NM (NAD83)

Design Report for Chuck Smith MDP1 8-17 Fed Com 5H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates Northing (usft)	Local Coordinates Easting (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
10,549.00	15.67	162.25	10,403.99	729.54 N	697.48 E	451,167.74	708,278.62	0.32	-649.92	137.66	Tie-in @ 10549.00' MD
10,624.00	18.30	167.53	10,475.71	708.39 N	703.12 E	451,146.59	708,284.26	4.06	-628.29	32.94	First Gordon MWD Svy @ 10624.00' MD
10,718.00	34.85	177.86	10,559.53	666.84 N	707.34 E	451,105.04	708,288.48	18.22	-586.52	20.36	
10,813.00	40.67	181.20	10,634.61	608.71 N	707.70 E	451,046.91	708,288.84	6.49	-528.69	20.70	
10,908.00	53.69	176.23	10,699.07	539.24 N	709.58 E	450,977.44	708,290.72	14.22	-459.43	-17.38	
11,002.00	63.36	168.32	10,748.14	460.03 N	720.61 E	450,898.23	708,301.75	12.53	-379.49	-37.05	
11,097.00	77.54	163.21	10,779.87	373.56 N	742.73 E	450,811.76	708,323.87	15.76	-291.13	-19.68	
11,191.00	79.56	159.93	10,798.54	286.17 N	771.86 E	450,724.37	708,353.00	4.04	-201.11	-58.19	
11,286.00	86.85	160.57	10,809.77	197.45 N	803.71 E	450,635.65	708,384.85	7.70	-109.46	5.02	
11,381.00	91.36	158.44	10,811.25	108.50 N	836.96 E	450,546.70	708,418.10	5.25	-17.44	-25.30	
11,413.00	91.61	159.11	10,810.42	78.68 N	848.54 E	450,516.88	708,429.68	2.23	13.45	69.52	
11,461.00	92.79	158.91	10,808.58	33.90 N	865.72 E	450,472.10	708,446.86	2.49	59.83	-9.61	
11,555.00	91.11	160.46	10,805.38	54.20 S	898.34 E	450,384.00	708,479.48	2.43	150.93	137.29	
11,649.00	91.43	163.50	10,803.30	143.55 S	927.41 E	450,294.65	708,508.55	3.25	242.91	83.96	
11,744.00	91.63	166.63	10,800.76	235.30 S	951.88 E	450,202.90	708,533.02	3.30	336.76	86.30	
11,757.05	91.47	167.11	10,800.41	248.00 S	954.84 E	450,190.20	708,535.98	3.86	349.71	109.10	Enter 50' R/25' L @ 11757'MD
11,838.00	90.44	170.06	10,799.06	327.33 S	970.86 E	450,110.87	708,552.00	3.86	430.30	109.11	
11,933.00	90.74	173.59	10,798.08	421.35 S	984.37 E	450,016.85	708,565.51	3.73	525.23	85.13	
12,027.00	90.59	176.04	10,796.99	514.95 S	992.86 E	449,923.25	708,574.00	2.61	619.20	93.49	
12,122.00	89.46	178.17	10,796.95	609.82 S	997.66 E	449,828.38	708,578.80	2.54	714.03	117.94	
12,216.00	89.81	180.06	10,797.55	703.80 S	999.11 E	449,734.40	708,580.25	2.04	807.62	79.52	
12,311.00	89.83	183.60	10,797.85	798.74 S	996.08 E	449,639.46	708,577.22	3.73	901.68	89.68	
12,406.00	90.33	182.87	10,797.72	893.59 S	990.72 E	449,544.61	708,571.86	0.93	995.39	-55.59	
12,501.00	89.85	180.82	10,797.57	988.53 S	987.66 E	449,449.67	708,568.80	2.22	1,089.45	-103.18	
12,596.00	90.34	180.98	10,797.41	1,083.52 S	986.17 E	449,354.68	708,567.31	0.54	1,183.72	18.08	
12,691.00	90.22	181.11	10,796.94	1,178.50 S	984.43 E	449,259.70	708,565.57	0.19	1,277.96	132.71	
12,786.00	90.22	180.84	10,796.58	1,273.49 S	982.82 E	449,164.71	708,563.96	0.28	1,372.21	-90.00	
12,881.00	89.59	180.79	10,796.74	1,368.48 S	981.47 E	449,069.72	708,562.61	0.67	1,466.50	-175.46	
12,975.00	90.44	180.82	10,796.71	1,462.47 S	980.14 E	448,975.73	708,561.28	0.90	1,559.80	2.02	
13,070.00	90.59	180.64	10,795.86	1,557.46 S	978.93 E	448,880.74	708,560.07	0.25	1,654.10	-50.19	
13,165.00	90.68	178.65	10,794.81	1,652.44 S	979.52 E	448,785.76	708,560.66	2.10	1,748.60	-87.40	
13,260.00	90.62	179.15	10,793.73	1,747.42 S	981.35 E	448,690.78	708,562.49	0.53	1,843.21	96.84	
13,354.00	90.57	179.20	10,792.75	1,841.40 S	982.70 E	448,596.80	708,563.84	0.08	1,936.79	135.00	
13,449.00	90.41	178.99	10,791.94	1,936.39 S	984.20 E	448,501.81	708,565.34	0.28	2,031.38	-127.30	
13,543.00	90.33	179.79	10,791.33	2,030.38 S	985.20 E	448,407.82	708,566.34	0.86	2,124.93	95.71	
13,638.00	90.14	179.03	10,790.94	2,125.37 S	986.18 E	448,312.83	708,567.32	0.82	2,219.48	-104.03	

Occidental Petroleum Corporation

HALLIBURTON

Eddy County, NM (NAD83)

Design Report for Chuck Smith MDP1 8-17 Fed Com 5H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates Northing (usft)	Local Coordinates Easting (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
13,733.00	90.37	179.05	10,790.52	2,220.36 S	987.77 E	448,217.84	708,568.91	0.24	2,314.08	4.97	
13,828.00	89.58	178.98	10,790.56	2,315.35 S	989.40 E	448,122.85	708,570.54	0.83	2,408.68	-174.94	
13,923.00	89.73	178.67	10,791.13	2,410.32 S	991.35 E	448,027.88	708,572.49	0.36	2,503.32	-64.18	
14,017.00	90.88	179.10	10,790.63	2,504.30 S	993.18 E	447,933.90	708,574.32	1.31	2,596.94	20.50	
14,112.00	91.08	180.22	10,789.01	2,599.29 S	993.74 E	447,838.91	708,574.88	1.20	2,691.43	79.86	
14,207.00	90.81	180.49	10,787.44	2,694.27 S	993.16 E	447,743.93	708,574.30	0.40	2,785.80	135.00	
14,301.00	90.44	180.33	10,786.42	2,788.26 S	992.48 E	447,649.94	708,573.62	0.43	2,879.17	-156.62	
14,396.00	90.36	180.41	10,785.75	2,883.26 S	991.87 E	447,554.94	708,573.01	0.12	2,973.54	135.00	
14,491.00	90.04	181.02	10,785.42	2,978.25 S	990.68 E	447,459.95	708,571.82	0.73	3,067.85	117.68	
14,586.00	89.12	179.22	10,786.12	3,073.24 S	990.49 E	447,364.96	708,571.63	2.13	3,162.26	-117.08	
14,680.00	88.89	179.44	10,787.75	3,167.22 S	991.58 E	447,270.98	708,572.72	0.34	3,255.81	136.28	
14,775.00	88.09	180.70	10,790.25	3,262.19 S	991.47 E	447,176.01	708,572.61	1.57	3,350.21	122.44	
14,828.00	87.50	180.74	10,792.29	3,315.14 S	990.80 E	447,123.06	708,571.94	1.12	3,402.78	176.13	
14,922.00	88.74	180.10	10,795.38	3,409.09 S	990.11 E	447,029.11	708,571.25	1.48	3,496.10	-27.30	
15,016.00	89.94	180.60	10,796.46	3,503.08 S	989.54 E	446,935.12	708,570.68	1.38	3,589.48	22.62	
15,111.00	90.78	182.12	10,795.86	3,598.04 S	987.29 E	446,840.16	708,568.43	1.83	3,683.65	61.07	
15,206.00	89.55	181.71	10,795.59	3,692.99 S	984.11 E	446,745.21	708,565.25	1.36	3,777.69	-161.56	
15,301.00	89.83	180.08	10,796.10	3,787.97 S	982.63 E	446,650.23	708,563.77	1.74	3,871.96	-80.26	
15,396.00	89.27	176.96	10,796.85	3,882.93 S	985.08 E	446,555.27	708,566.22	3.34	3,966.62	-100.19	
15,490.00	89.07	177.21	10,798.21	3,976.79 S	989.86 E	446,461.41	708,571.00	0.34	4,060.46	128.66	
15,585.00	87.45	178.53	10,801.09	4,071.68 S	993.39 E	446,366.52	708,574.53	2.20	4,155.17	140.86	
15,680.00	88.32	176.90	10,804.60	4,166.53 S	997.18 E	446,271.67	708,578.32	1.94	4,249.88	-61.92	
15,774.00	89.44	177.11	10,806.44	4,260.39 S	1,002.09 E	446,177.81	708,583.23	1.21	4,343.71	10.62	
15,869.00	91.79	177.19	10,805.42	4,355.26 S	1,006.81 E	446,082.94	708,587.95	2.48	4,438.54	1.95	
15,963.00	95.84	178.12	10,799.17	4,448.95 S	1,010.65 E	445,989.25	708,591.79	4.42	4,532.10	12.88	
16,058.00	93.53	176.40	10,791.41	4,543.51 S	1,015.18 E	445,894.69	708,596.32	3.03	4,626.60	-143.35	
16,088.10	92.54	176.51	10,789.81	4,573.51 S	1,017.03 E	445,864.69	708,598.17	3.30	4,656.62	173.39	SLC @ 16088'MD
16,153.00	90.42	176.76	10,788.13	4,638.28 S	1,020.84 E	445,799.92	708,601.98	3.30	4,721.42	173.40	
16,247.00	89.33	178.17	10,788.34	4,732.18 S	1,025.00 E	445,706.02	708,606.14	1.90	4,815.22	127.71	
16,342.00	88.51	179.97	10,790.13	4,827.15 S	1,026.54 E	445,611.05	708,607.68	2.08	4,909.80	114.51	
16,437.00	86.05	181.69	10,794.64	4,922.02 S	1,025.16 E	445,516.18	708,606.30	3.16	5,003.96	145.11	
16,531.00	85.26	181.36	10,801.76	5,015.71 S	1,022.67 E	445,422.49	708,603.81	0.91	5,096.84	-157.40	
16,626.00	85.63	179.82	10,809.30	5,110.41 S	1,021.70 E	445,327.79	708,602.84	1.66	5,190.87	-76.51	
16,721.00	86.35	178.81	10,815.95	5,205.16 S	1,022.83 E	445,233.04	708,603.97	1.30	5,285.20	-54.49	
16,815.00	86.44	178.32	10,821.86	5,298.95 S	1,025.18 E	445,139.25	708,606.32	0.53	5,378.69	-79.59	
16,910.00	89.61	179.10	10,825.13	5,393.86 S	1,027.31 E	445,044.34	708,608.45	3.44	5,473.27	13.83	
17,005.00	93.17	175.58	10,822.83	5,488.70 S	1,031.72 E	444,949.50	708,612.86	5.27	5,568.03	-44.64	

Occidental Petroleum Corporation

HALLIBURTON

Eddy County, NM (NAD83)

Design Report for Chuck Smith MDP1 8-17 Fed Com 5H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates Northing (usft)	Local Coordinates Easting (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
17,099.00	97.24	174.68	10,814.30	5,581.95 S	1,039.66 E	444,856.25	708,620.80	4.43	5,661.60	-12.38	Last Gordon MWD Svy @ 17099.00' MD
17,145.00	97.73	174.51	10,808.31	5,627.35 S	1,043.96 E	444,810.85	708,625.10	1.13	5,707.20	-18.97	First Sperry MWD Svy @ 17145.00' MD
17,239.00	96.18	178.32	10,796.92	5,720.46 S	1,049.79 E	444,717.74	708,630.93	4.35	5,800.39	112.05	
17,334.00	91.46	185.37	10,790.59	5,815.11 S	1,046.72 E	444,623.09	708,627.86	8.92	5,894.16	123.59	
17,429.00	89.35	185.70	10,789.91	5,909.66 S	1,037.56 E	444,528.54	708,618.70	2.25	5,987.17	171.11	
17,523.00	89.06	184.34	10,791.22	6,003.29 S	1,029.33 E	444,434.91	708,610.47	1.48	6,079.36	-102.05	
17,618.00	88.61	182.74	10,793.15	6,098.09 S	1,023.47 E	444,340.11	708,604.61	1.75	6,172.97	-105.73	
17,713.00	87.82	179.79	10,796.11	6,193.01 S	1,021.37 E	444,245.19	708,602.51	3.21	6,267.10	-105.04	
17,807.00	87.66	179.30	10,799.82	6,286.93 S	1,022.12 E	444,151.27	708,603.26	0.55	6,360.56	-108.11	
17,902.00	88.33	179.45	10,803.14	6,381.86 S	1,023.15 E	444,056.34	708,604.29	0.72	6,455.05	12.61	
17,997.00	88.74	179.10	10,805.57	6,476.83 S	1,024.36 E	443,961.37	708,605.50	0.57	6,549.58	-40.48	
18,091.00	89.09	178.90	10,807.35	6,570.79 S	1,026.00 E	443,867.41	708,607.14	0.43	6,643.18	-29.74	
18,280.00	86.51	176.40	10,814.61	6,759.47 S	1,033.74 E	443,678.73	708,614.88	1.90	6,831.58	-135.96	
18,375.00	89.43	178.52	10,817.97	6,854.30 S	1,037.94 E	443,583.90	708,619.08	3.80	6,926.31	36.01	
18,470.00	89.66	180.40	10,818.73	6,949.28 S	1,038.84 E	443,488.92	708,619.98	1.99	7,020.84	83.03	
18,564.00	88.81	179.84	10,819.98	7,043.28 S	1,038.64 E	443,394.92	708,619.78	1.08	7,114.26	-146.63	
18,659.00	89.13	179.85	10,821.69	7,138.26 S	1,038.90 E	443,299.94	708,620.04	0.34	7,208.72	1.79	
18,754.00	90.21	180.29	10,822.24	7,233.26 S	1,038.78 E	443,204.94	708,619.92	1.23	7,303.15	22.17	
18,849.00	90.67	180.17	10,821.51	7,328.25 S	1,038.40 E	443,109.95	708,619.54	0.50	7,397.54	-14.62	
18,943.00	90.76	180.38	10,820.33	7,422.24 S	1,037.95 E	443,015.96	708,619.09	0.24	7,490.94	66.80	
19,038.00	90.73	179.50	10,819.10	7,517.23 S	1,038.05 E	442,920.97	708,619.19	0.93	7,585.38	-91.95	
19,133.00	90.65	179.32	10,817.95	7,612.22 S	1,039.02 E	442,825.98	708,620.16	0.21	7,679.92	-113.96	
19,227.00	91.21	179.64	10,816.43	7,706.21 S	1,039.88 E	442,731.99	708,621.02	0.69	7,773.45	29.74	
19,322.00	90.75	180.27	10,814.80	7,801.19 S	1,039.95 E	442,637.01	708,621.09	0.82	7,867.88	126.13	
19,416.00	90.58	179.89	10,813.71	7,895.18 S	1,039.82 E	442,543.02	708,620.96	0.44	7,961.31	-114.10	
19,511.00	90.13	179.73	10,813.12	7,990.18 S	1,040.14 E	442,448.02	708,621.28	0.50	8,055.79	-160.43	
19,606.00	90.13	179.81	10,812.91	8,085.18 S	1,040.52 E	442,353.02	708,621.66	0.08	8,150.27	90.00	
19,700.00	91.22	180.50	10,811.80	8,179.17 S	1,040.26 E	442,259.03	708,621.40	1.37	8,243.69	32.33	
19,795.00	89.84	180.56	10,810.92	8,274.16 S	1,039.38 E	442,164.04	708,620.52	1.45	8,338.02	177.51	
19,890.00	89.92	180.18	10,811.12	8,369.16 S	1,038.77 E	442,069.04	708,619.91	0.41	8,432.40	-78.11	
20,079.00	87.98	180.46	10,814.58	8,558.12 S	1,037.72 E	441,880.08	708,618.86	1.04	8,620.14	171.79	
20,173.00	87.42	180.18	10,818.36	8,652.04 S	1,037.19 E	441,786.16	708,618.33	0.67	8,713.45	-153.46	
20,268.00	88.46	180.10	10,821.77	8,746.97 S	1,036.96 E	441,691.23	708,618.10	1.10	8,807.81	-4.40	
20,363.00	89.79	179.99	10,823.22	8,841.96 S	1,036.88 E	441,596.24	708,618.02	1.40	8,902.23	-4.73	
20,457.00	89.44	179.25	10,823.85	8,935.96 S	1,037.51 E	441,502.24	708,618.65	0.87	8,995.74	-115.32	
20,552.00	90.85	179.11	10,823.61	9,030.94 S	1,038.87 E	441,407.26	708,620.01	1.49	9,090.32	-5.67	
20,646.00	91.24	180.69	10,821.90	9,124.93 S	1,039.03 E	441,313.27	708,620.17	1.73	9,183.77	76.12	

Occidental Petroleum Corporation

HALLIBURTON

Eddy County, NM (NAD83)

Design Report for Chuck Smith MDP1 8-17 Fed Com 5H - Final Surveys

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates Northing (usft)	Local Coordinates Easting (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Dogleg Rate (°/100ft)	Vertical Section (usft)	Toolface Angle (°)	Comments
20,741.00	89.74	180.12	10,821.09	9,219.92 S	1,038.36 E	441,218.28	708,619.50	1.69	9,278.13	-159.19	
20,836.00	87.23	179.37	10,823.60	9,314.87 S	1,038.78 E	441,123.33	708,619.92	2.76	9,372.58	-163.38	
20,930.00	91.48	180.82	10,824.66	9,408.84 S	1,038.63 E	441,029.36	708,619.77	4.78	9,465.98	18.85	
21,025.00	91.18	180.26	10,822.45	9,503.81 S	1,037.73 E	440,934.39	708,618.87	0.67	9,560.30	-118.18	
21,120.00	90.28	181.08	10,821.24	9,598.80 S	1,036.62 E	440,839.40	708,617.76	1.28	9,654.61	137.66	
21,214.00	90.03	180.37	10,820.99	9,692.79 S	1,035.43 E	440,745.41	708,616.57	0.80	9,747.92	-109.40	
21,275.59	91.02	180.59	10,820.42	9,754.37 S	1,034.91 E	440,683.83	708,616.05	1.65	9,809.09	12.58	LTP 100' HLC @ 21276' MD
21,289.00	91.24	180.64	10,820.15	9,767.78 S	1,034.77 E	440,670.42	708,615.91	1.65	9,822.40	12.58	Last Sperry MWD Svy @ 21289' MD
21,328.00	91.24	180.64	10,819.31	9,806.77 S	1,034.33 E	440,631.43	708,615.47	0.00	9,861.11	0.00	Projection to TD @ 21328.00' MD

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
25.00	25.00	0.00	0.00	Ground Level @ 25.00' MD
10,549.00	10,403.99	729.54	697.48	Tie-in @ 10549.00' MD
10,624.00	10,475.71	708.39	703.12	First Gordon MWD Svy @ 10624.00' MD
11,757.05	10,800.41	-248.00	954.84	Enter 50' R/25' L @ 11757'MD
16,088.10	10,789.81	-4,573.51	1,017.03	SLC @ 16088'MD
17,099.00	10,814.30	-5,581.95	1,039.66	Last Gordon MWD Svy @ 17099.00' MD
17,145.00	10,808.31	-5,627.35	1,043.96	First Sperry MWD Svy @ 17145.00' MD
21,275.59	10,820.42	-9,754.37	1,034.91	LTP 100' HLC @ 21276' MD
21,289.00	10,820.15	-9,767.78	1,034.77	Last Sperry MWD Svy @ 21289' MD
21,328.00	10,819.31	-9,806.77	1,034.33	Projection to TD @ 21328.00' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (usft)	Origin +E/-W (usft)	Start TVD (usft)
Target	CSMDP1 8-17 Fed Com 5H_PBHL	173.80	Slot	0.00	0.00	0.00

Occidental Petroleum Corporation

HALLIBURTON

Eddy County, NM (NAD83)

Design Report for Chuck Smith MDP1 8-17 Fed Com 5H - Final Surveys

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
25.00	776.00	Surface	3_Gyro-GC_Drop
933.00	10,549.00	Intermediate Surveys	Superior MWD+IFR1+SAG+FDIR
10,624.00	17,099.00	Production 1	Superior MWD+IFR1+SAG+FDIR
17,145.00	21,289.00	Production 2	Superior MWD+IFR1+SAG+FDIR
21,328.00	21,328.00	PTD	3_Blind

Casing Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)
10,564.00		7-5/8" Intermediate Casing	7.625	9.875

Design Targets

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

Directional Difficulty Index

Average Dogleg over Survey:	1.49 °/100ft	Maximum Dogleg over Survey:	18.22 °/100ft at 10,718.00 usft
Net Tortousity applicable to Plans:	0.25 °/100ft	Directional Difficulty Index:	6.870

Audit Info

Occidental Petroleum Corporation

HALLIBURTON

Eddy County, NM (NAD83)

North Reference Sheet for Chuck Smith MDP1 18-17 - Chuck Smith MDP1 8-17 Fed Com 5H - OH_54050

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

Vertical Depths are relative to GL 3463' + RKB 25' @ 3488.00usft (Patterson 882). Northing and Easting are relative to Chuck Smith MDP1 8-17 Fed Com 5H

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: 0.99994074

Grid Coordinates of Well: 450,438.20 usft N, 707,581.14 usft E

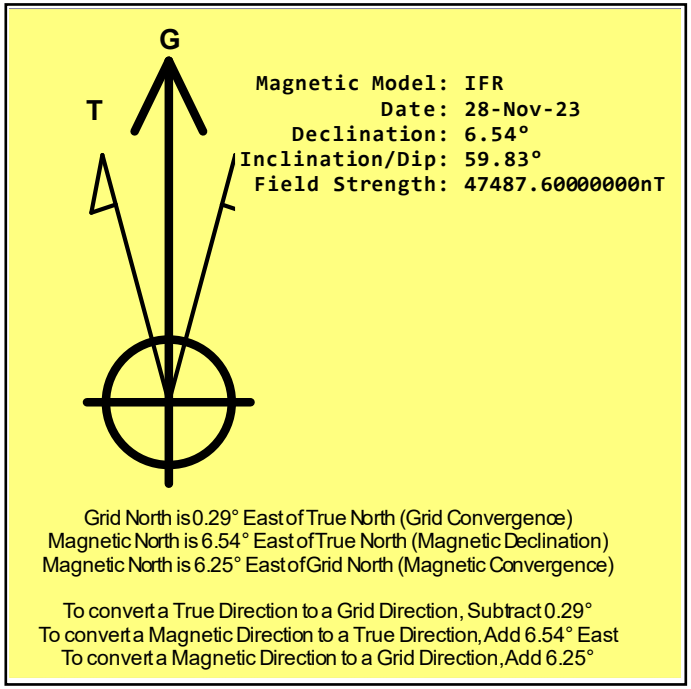
Geographical Coordinates of Well: 32° 14' 13.872 N, 103° 47' 44.367 W

Grid Convergence at Surface is: 0.29°

Based upon Minimum Curvature type calculations, at a Measured Depth of 21,328.00usft

the Bottom Hole Displacement is 9,861.16usft in the Direction of 173.98° (Grid).

Magnetic Convergence at surface is: -6.25° (28 November 2023, , IFR)



Intent ☐ As Drilled ☐

API #

Operator Name:	Property Name:	Well Number

Kick Off Point (KOP) SEE AS-DRILLED C-102 PLAT

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

Latitude	Longitude	NAD

First Take Point (FTP) SEE AS-DRILLED C-102 PLAT

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

Latitude	Longitude	NAD

Last Take Point (LTP) SEE AS-DRILLED C-102 PLAT

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: CHUCK SMITH MDP1 8-17 FEDERAL COM

Well Location: T24S / R31E / SEC 8 / NWNE / 32.2371867 / -103.7956575

County or Parish/State: EDDY / NM

Well Number: 5H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM142696

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001554050

Operator: OXY USA INCORPORATED

Subsequent Report

Sundry ID: 2775388

Type of Submission: Subsequent Report

Type of Action: Workover Operations

Date Sundry Submitted: 02/15/2024

Time Sundry Submitted: 04:21

Date Operation Actually Began: 01/23/2024

Actual Procedure: RUPU 1/23/24, RIH & clean out to PBTD @ 21,260', pressure test casing to 6000# for 30 min, good test. RIH & perf @ 11,092'-21,190' Total 1380 holes. Frac in 46 stages w/ 433,614 BBL Produced Water + 8,931 BBL Brackish Water (> 1,000 mg/l TDS and 10,000 mg/l TDS) w/ 25,303,020# sand, RD 02/02/24. Well ready to produce 2/7/24. OXY USA Inc. requests a tubing exception while continuing to flow back this well. The estimated date of tubing install is 03/15/2024.

Well Name: CHUCK SMITH MDP1 8-17 FEDERAL COM

Well Location: T24S / R31E / SEC 8 / NWNE / 32.2371867 / -103.7956575

County or Parish/State: EDDY / NM

Well Number: 5H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM142696

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001554050

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: ELIZABETH VELASCO

Signed on: FEB 15, 2024 03:56 PM

Name: OXY USA INCORPORATED

Title: Analyst Regulatory Sr

Street Address: 1600 GEHRIG DRIVE

City: MIDLAND **State:** TX

Phone: (432) 686-1413

Email address: ELIZABETH_VELASCO@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

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
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

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

1. WELL API NO.
30-015-54050

2. Type of Lease
☐ STATE ☐ FEE ☒ FED/INDIAN

3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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
CHUCK SMITH MDP1 8-17 FEDERAL COM

6. Well Number: 5H

7. Type of Completion:
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____

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
COTTON DRAW; BONE SPRING

12.Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	B	8	24S	31E		701	NORTH	1335	EAST	EDDY
BH:	P	17	24S	31E		48	SOUTH	364	EAST	EDDY

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
10/13/23	12/28/2023	01/01/2024	02/07/2024	3463' GL

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
21328'M 10819'V	21260'M 10820'V	YES	CBL

22. Producing Interval(s), of this completion - Top, Bottom, Name
11092-21190' 2ND BONE SPRING

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	811'	14.75"	790sx-surf circ	
7.625" HCL-80	26.4	10564'	9.875"	2490sx-surf	
5.5" P110 ICY	20	21308'	6.75"	851sx-TOC@8720'	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	10818'	

26. Perforation record (interval, size, and number)
11092-21190' Total 1380 holes, Hole Size=0.42

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11092-21190'	433,614 BBL Produced Water + 8,931 BBL Brackish Water (> 1,000 mg/l TDS and 10,000 mg/l TDS) w/ 25,303,020# sand

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
02/08/2024	GAS LIFT	Prod.

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil – Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
02/10/2024	24 hrs.	60		3510	5124	5456	1460

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*
	1250		3510	5124	5456	

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Test Witnessed By

31. List Attachments
WBD, C-104, As-Drilled C-102, Kickoff Points Form, Final Directional Survey, Completion Sundry C-103

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: Jana Mendiola Name: Jana Mendiola Title: Regulatory Advisor Date: 04/25/2024

E-mail Address: janalyn_mendiola@oxy.com

INSTRUCTIONS

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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Rustler 605'	**T. Bell Canyon 4321'**	T. Ojo Alamo_____	T. Penn A"_____
T. Salado 951'	T. Strawn_____	T. Kirtland _____	T. Penn. "B"_____
T. Castile 2805'	T. Atoka_____	T. Fruitland_____	T. Penn. "C"_____
T. Delaware 4299'	T. Miss_____	T. Pictured Cliffs_____	T. Penn. "D"_____
T. Cherry Canyon 5222'	T. Devonian_____	T. Cliff House_____	T. Leadville_____
T. Brushy Canyon 6497'	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 8107'**	T.Todilto_____	
T. Abo_____	**T. 1st Bone Spring 9141'**	T. Entrada_____	
T. Wolfcamp	**T. 2nd Bone Spring 9799'**	T. Wingate_____	
T. Penn_____	T. 3rd Bone Spring	T. Chinle_____	
T. Cisco (Bough C)_____	T.	T. Permian_____	

OIL OR GAS SANDS OR ZONES

No. 1, from……..…..…..to……. No. 3, from……to…….……

No. 2, from……to…… No. 4, from……to……..

IMPORTANT WATER SANDS

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

No. 1, from……..to……feet……

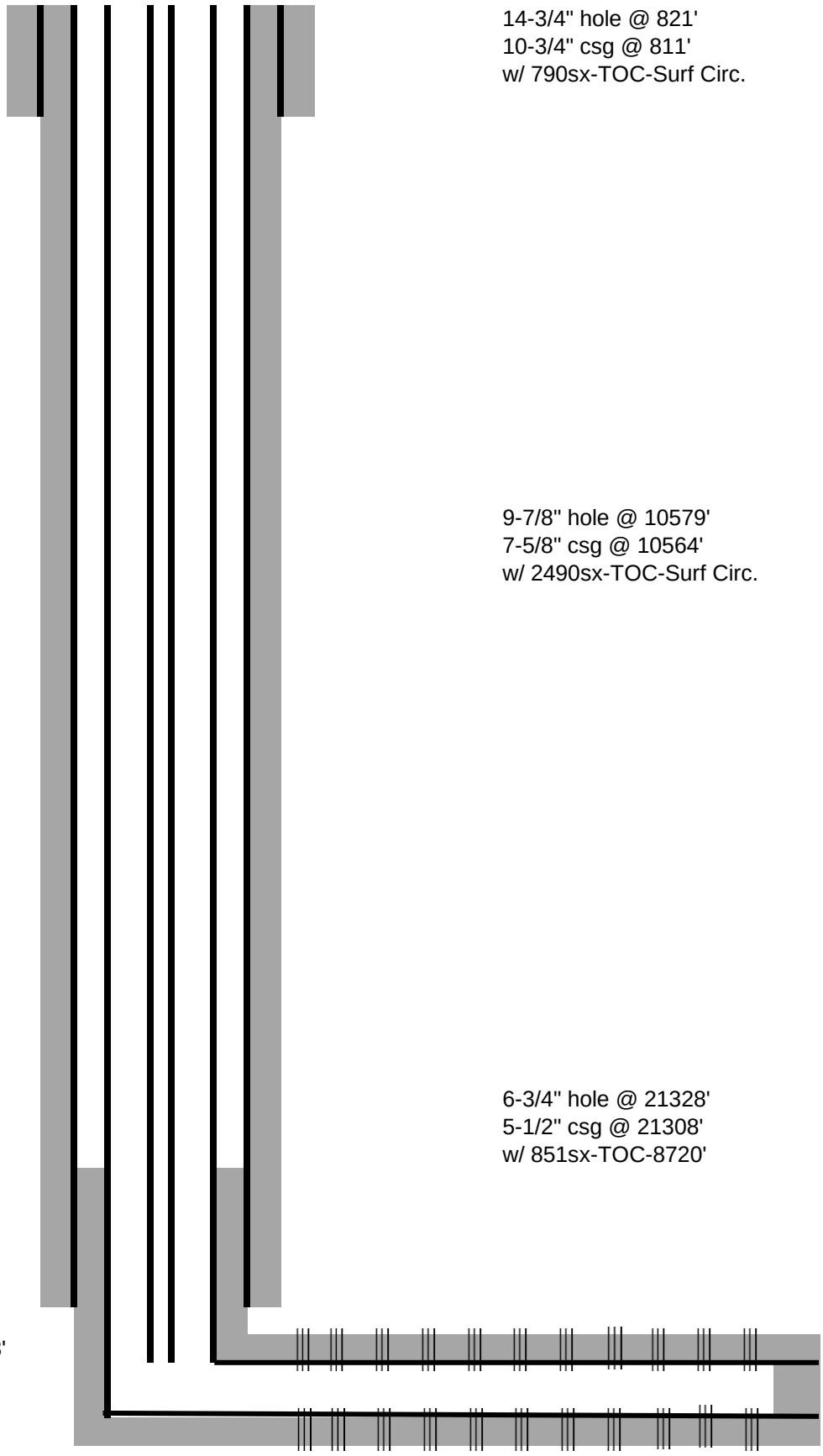
No. 2, from……..to……feet……

No. 3, from……..to……feet……

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology

OXY USA Inc.
CHUCK SMITH MDP1 8-17 FEDERAL COM 5H
API No. 30-015-54050



Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
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-103
Revised July 18, 2013

WELL API NO.
30-015-54050

5. Indicate Type of Lease- **FED**
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

7. Lease Name or Unit Agreement Name
CHUCK SMITH MDP1 8-17 FEDERAL COM

8. Well Number- 5H

2. Name of Operator- OXY USA INC.

9. OGRID Number- 16696

3. Address of Operator- P.O. BOX 50250 MIDLAND, TX 79710

10. Pool name or Wildcat
COTTON DRAW; BONE SPRING

4. Well Location
Unit Letter B : 701 feet from the NORTH line and 1335 feet from the EAST line
Section 8 Township 24S Range 31E NMPM County- EDDY

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3463' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER: TUBING INSTALL	☒		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

03/06/24 MIRU. RIH with 2-3/8" L80 4.7# tbg & gas lift set @ 10818', RD 03/07/24.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jana Mendiola TITLE REGULATORY ADVISOR DATE 04-25-24

Type or print name JANA MENDIOLA E-mail address: janalyn_mendiola@oxy.com PHONE: 432-685-5936

For State Use Only

APPROVED BY: TITLE DATE
Conditions of Approval (if any):

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

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 337748
	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 337748

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 337748
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report and Tubing Sundry within 10 days of BLM approval.	5/29/2024