

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 Mewbourne Oil Company PO Box 5270 Hobbs, NM 88241		² OGRID Number 14744
		³ Reason for Filing Code/ Effective Date NW/ 03/07/2023
⁴ API Number 30-025-50330	⁵ Pool Name Grama Ridge; Bone Spring	⁶ Pool Code 28432
⁷ Property Code 333058	⁸ Property Name Red Stag 5/32 B2OB Fed Com	⁹ Well Number 1H

II. ¹⁰ Surface Location

Ul or lot no. P	Section 5	Township 22S	Range 34E	Lot Idn	Feet from the 250	North/South Line South	Feet from the 1200	East/West line East	County Lea
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¹¹ Bottom Hole Location

UL or lot no. B	Section 32	Township 21S	Range 34E	Lot Idn	Feet from the 85	North/South line North	Feet from the 1952	East/West line East	County Lea
¹² Lse Code S	¹³ Producing Method Code Gas Lift	¹⁴ Gas Connection Date 03/07/2023	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

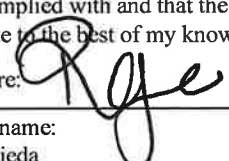
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
35246	Shell Trading US Co. PO Box 4604 Houston, TX 77210-4604	O
327139	Sendero Midstream 1000 Louisiana Street, Suite 6900 Houston, TX 77002	G

IV. Well Completion Data

²¹ Spud Date 10/04/2022	²² Ready Date 03/07/2023	²³ TD 21485' MD	²⁴ PBDT 21466'	²⁵ Perforations 11109'-21430'	²⁶ DHC, MC NA
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 ½"	13 ¾" 54.5# J55	1905'	1100		
12 ¼"	9 ⅝ 40# HCL80	5418'	1500		
8 ¾"	7" 29# HCIP110	10158'	900		
6 ⅞"	4 ½" 13.5# P110IC	9922'-21483'	950		

V. Well Test Data

³¹ Date New Oil 03/07/2023	³² Gas Delivery Date 03/07/2023	³³ Test Date 03/09/2023	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure NA	³⁶ Csg. Pressure 1450
³⁷ Choke Size 32/64"	³⁸ Oil 135	³⁹ Water 1474	⁴⁰ Gas 105		⁴¹ Test Method Production

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: 	OIL CONSERVATION DIVISION Approved by: PATRICIA MARTINEZ Title: PETROLEUM SPECIALIST Approval Date: 3/7/2024
Printed name: Ruby Ojeda	
Title: Regulatory	
E-mail Address: rojeda@mewbourne.com	
Date: 04/19/2023	Phone: 575-393-5905

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
AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-50330	² Pool Code 28432	³ Pool Name GRAMA RIDGE; BONE SPRINGS, WEST
⁴ Property Code 333058	⁵ Property Name RED STAG 5/32 B20B FED COM	
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 1H
		⁹ Elevation 3604'

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
P	5	22S	34E		250	SOUTH	1200	EAST	LEA

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
B	32	21S	34E		85	NORTH	1952	EAST	LEA

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

16 <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST <u>SURFACE LOCATION (SL)</u> N: 515435.3 - E: 802392.2 LAT: 32.4141588° N LONG: 103.4873775° W <u>KICK OFF POINT (KOP)</u> 467' FNL - 2013' FEL (SEC. 8) N: 514713.8 - E: 801583.8 LAT: 32.4121931° N LONG: 103.4900154° W <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1913" N: 509878.2 - E: 798356.7 B: FOUND BRASS CAP "1913" N: 512517.1 - E: 798341.1 C: FOUND BRASS CAP "1913" N: 515157.1 - E: 798325.7 D: FOUND BRASS CAP "1913" N: 517797.9 - E: 798310.1 E: FOUND BRASS CAP "1913" N: 520452.3 - E: 798294.7 F: FOUND BRASS CAP "1913" N: 523087.5 - E: 798276.7 G: FOUND BRASS CAP "1913" N: 525725.3 - E: 798245.9 H: FOUND BRASS CAP "1913" N: 525758.3 - E: 800887.9 <u>FIRST TAKE POINT (FTP)</u> 131' FSL - 1963' FEL (SEC. 5) N: 515311.5 - E: 801629.6 LAT: 32.4138352° N LONG: 103.4898516° W <u>LAST TAKE POINT (LTP)</u> 107' FNL - 1951' FEL (SEC. 32) N: 525659.6 - E: 801579.8 LAT: 32.4422780° N LONG: 103.4897482° W <u>BOTTOM HOLE (BH)</u> N: 525681.6 - E: 801579.3 LAT: 32.4423386° N LONG: 103.4897492° W I: FOUND BRASS CAP "1913" N: 525791.1 - E: 803529.9 J: FOUND BRASS CAP "1913" N: 523150.6 - E: 803552.3 K: FOUND BRASS CAP "1913" N: 520510.0 - E: 803575.1 L: FOUND BRASS CAP "1913" N: 517831.6 - E: 803583.3 M: FOUND BRASS CAP "1913" N: 512553.9 - E: 803610.2 N: FOUND BRASS CAP "1913" N: 509914.4 - E: 803626.7 O: FOUND BRASS CAP "1913" N: 509897.3 - E: 800992.8 P: FOUND 1" PIPE N: 515176.0 - E: 8009559.8 Q: FOUND BRASS CAP "1913" N: 520481.4 - E: 800934.5	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. <i>Josh Wagner</i> 3/15/2023 Signature Date Josh Wagner Printed Name jwagner@mewbourne.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. 11/05/2022 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR
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LS21090987AD



Project: Lea County, NM (NAD83)
 Site: Sec 05-T22S-R34E
 Well: Red Stag 5-32 B2OB Fed Com 1H
 Wellbore: Wellbore #1
 Design: Plan #1

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: -0.45°
 Magnetic North: 6.00°
 Magnetic Field
 Strength: 47749.0nT
 Dip Angle: 60.14°
 Date: 7/1/2022
 Model: IGGM2022

WELL DETAILS

@ 3632.00usft (597)

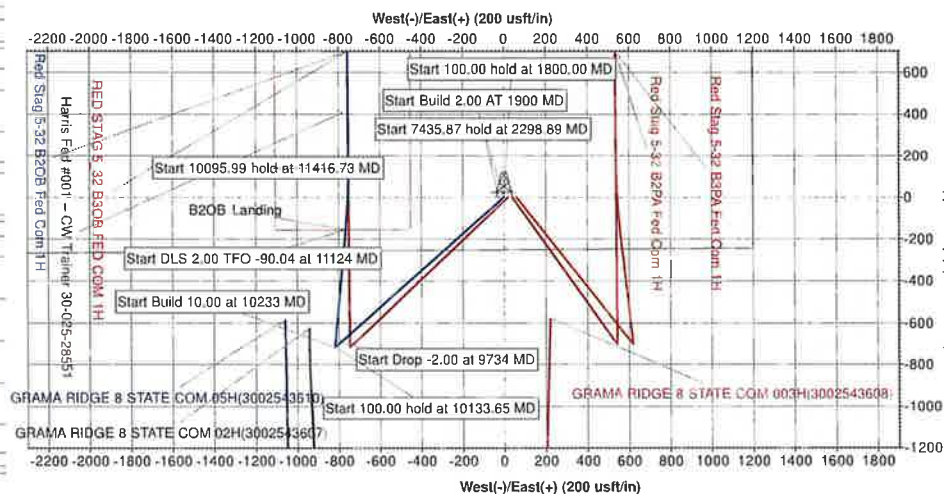
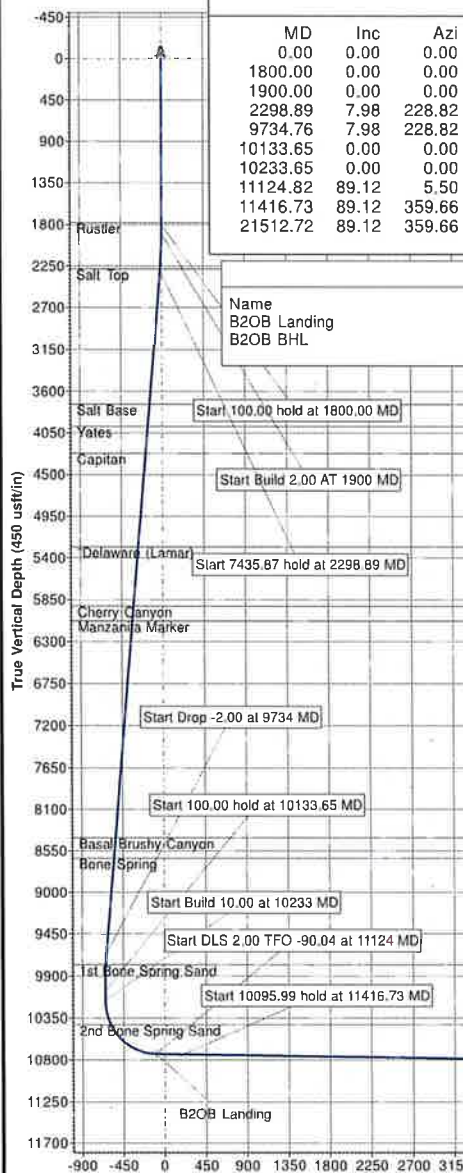
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	515435.300	802392.200 32° 24' 50.971619 N	03° 29' 14.558657 W		

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	Start 100.00 hold at 1800.00 MD
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00 AT 1900 MD
2298.89	7.98	228.82	2297.60	-18.25	-20.87	2.00	228.82	-16.55	Start 7435.87 hold at 2298.89 MD
9734.76	7.98	228.82	9661.51	-697.75	-797.63	0.00	0.00	-632.54	Start Drop -2.00 at 9734 MD
10133.65	0.00	0.00	10059.11	-716.00	-818.50	2.00	180.00	-649.09	Start 100.00 hold at 10133.65 MD
10233.65	0.00	0.00	10159.11	-716.00	-818.50	0.00	0.00	-649.09	Start Build 10.00 at 10233 MD
11124.82	89.12	5.50	10732.00	-154.47	-764.43	10.00	5.50	-93.58	Start DLS 2.00 TFO -90.04 at 11124 MD
11416.73	89.12	359.66	10736.50	136.98	-751.30	2.00	-90.04	195.92	Start 10095.99 hold at 11416.73 MD
21512.72	89.12	359.66	10892.00	10231.60	-811.00	0.00	0.00	10263.69	TD at 21512.72

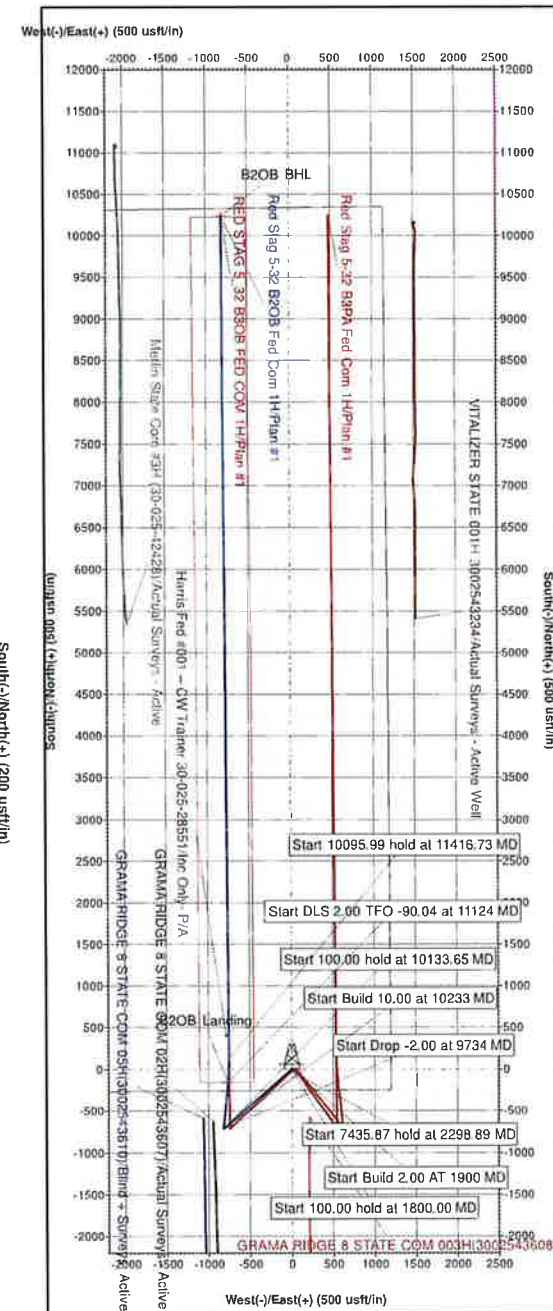
DESIGN TARGET DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
B2OB Landing	-154.47	-764.43	515280.830	801627.770	32° 24' 49.502966 N	103° 29' 23.489817 W
B2OB BHL	10231.60	-811.00	525666.900	801581.200	32° 26' 32.273325 N	103° 29' 23.076453 W



Hardlines
 North/South hardlines are 100' FNL (Sec. 32) & 100' FSL (Sec. 5)
 East/West hardlines will be 330' east of half section line & 1650' FEL

Vertical Section at 355.47° (450 usft/in)





Plan Report for Red Stag 5-32 B2OB Fed Com 1H - Plan #1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	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	515,435.300	802,392.200	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
1,100.00	0.00	0.00	1,100.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
1,200.00	0.00	0.00	1,200.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
1,600.00	0.00	0.00	1,600.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
1,700.00	0.00	0.00	1,700.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	
1,780.00	0.00	0.00	1,780.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	Rustler
1,800.00	0.00	0.00	1,800.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	Start 100.00 hold at 1800.00 MD
1,900.00	0.00	0.00	1,900.00	0.00 N	0.00 E	515,435.300	802,392.200	0.00	0.00	0.00	Start Build 2.00 AT 1900 MD
2,000.00	2.00	228.82	1,999.98	1.15 S	1.31 W	515,434.151	802,390.886	2.00	-1.04	228.82	
2,100.00	4.00	228.82	2,099.84	4.59 S	5.25 W	515,430.705	802,386.948	2.00	-4.17	0.00	
2,200.00	6.00	228.82	2,199.45	10.33 S	11.81 W	515,424.967	802,380.388	2.00	-9.37	0.00	
2,281.12	7.62	228.82	2,280.00	16.67 S	19.05 W	515,418.633	802,373.147	2.00	-15.11	0.00	Salt Top
2,298.89	7.98	228.82	2,297.60	18.25 S	20.87 W	515,417.045	802,371.332	2.00	-16.55	0.00	Start 7435.87 hold at 2298.89 MD
2,300.00	7.98	228.82	2,298.70	18.36 S	20.98 W	515,416.944	802,371.216	0.00	-16.64	0.00	
2,400.00	7.98	228.82	2,397.73	27.49 S	31.43 W	515,407.806	802,360.770	0.00	-24.92	0.00	
2,500.00	7.98	228.82	2,496.77	36.63 S	41.88 W	515,398.668	802,350.324	0.00	-33.21	0.00	
2,600.00	7.98	228.82	2,595.80	45.77 S	52.32 W	515,389.530	802,339.877	0.00	-41.49	0.00	
2,700.00	7.98	228.82	2,694.83	54.91 S	62.77 W	515,380.392	802,329.431	0.00	-49.78	0.00	
2,800.00	7.98	228.82	2,793.86	64.05 S	73.21 W	515,371.254	802,318.985	0.00	-58.06	0.00	
2,900.00	7.98	228.82	2,892.89	73.18 S	83.66 W	515,362.116	802,308.539	0.00	-66.34	0.00	
3,000.00	7.98	228.82	2,991.93	82.32 S	94.11 W	515,352.978	802,298.093	0.00	-74.63	0.00	
3,100.00	7.98	228.82	3,090.96	91.46 S	104.55 W	515,343.840	802,287.647	0.00	-82.91	0.00	
3,200.00	7.98	228.82	3,189.99	100.60 S	115.00 W	515,334.702	802,277.200	0.00	-91.20	0.00	



Plan Report for Red Stag 5-32 B2OB Fed Com 1H - Plan #1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
3,300.00	7.98	228.82	3,289.02	109.74 S	125.45 W	515,325.564	802,266.754	0.00	-99.48	0.00	
3,400.00	7.98	228.82	3,388.06	118.87 S	135.89 W	515,316.426	802,256.308	0.00	-107.76	0.00	
3,500.00	7.98	228.82	3,487.09	128.01 S	146.34 W	515,307.288	802,245.862	0.00	-116.05	0.00	
3,600.00	7.98	228.82	3,586.12	137.15 S	156.78 W	515,298.150	802,235.416	0.00	-124.33	0.00	
3,700.00	7.98	228.82	3,685.15	146.29 S	167.23 W	515,289.012	802,224.970	0.00	-132.62	0.00	
3,755.38	7.98	228.82	3,740.00	151.35 S	173.02 W	515,283.951	802,219.184	0.00	-137.20	0.00	Salt Base
3,800.00	7.98	228.82	3,784.18	155.43 S	177.68 W	515,279.874	802,214.523	0.00	-140.90	0.00	
3,900.00	7.98	228.82	3,883.22	164.56 S	188.12 W	515,270.736	802,204.077	0.00	-149.19	0.00	
3,997.73	7.98	228.82	3,980.00	173.49 S	198.33 W	515,261.805	802,193.868	0.00	-157.28	0.00	Yates
4,000.00	7.98	228.82	3,982.25	173.70 S	198.57 W	515,261.598	802,193.631	0.00	-157.47	0.00	
4,100.00	7.98	228.82	4,081.28	182.84 S	209.02 W	515,252.460	802,183.185	0.00	-165.75	0.00	
4,200.00	7.98	228.82	4,180.31	191.98 S	219.46 W	515,243.322	802,172.739	0.00	-174.04	0.00	
4,290.56	7.98	228.82	4,270.00	200.25 S	228.92 W	515,235.046	802,163.278	0.00	-181.54	0.00	Capitan
4,300.00	7.98	228.82	4,279.35	201.12 S	229.91 W	515,234.184	802,162.293	0.00	-182.32	0.00	
4,400.00	7.98	228.82	4,378.38	210.25 S	240.35 W	515,225.046	802,151.846	0.00	-190.61	0.00	
4,500.00	7.98	228.82	4,477.41	219.39 S	250.80 W	515,215.908	802,141.400	0.00	-198.89	0.00	
4,600.00	7.98	228.82	4,576.44	228.53 S	261.25 W	515,206.770	802,130.954	0.00	-207.17	0.00	
4,700.00	7.98	228.82	4,675.47	237.67 S	271.69 W	515,197.632	802,120.508	0.00	-215.46	0.00	
4,800.00	7.98	228.82	4,774.51	246.81 S	282.14 W	515,188.494	802,110.062	0.00	-223.74	0.00	
4,900.00	7.98	228.82	4,873.54	255.94 S	292.58 W	515,179.356	802,099.615	0.00	-232.03	0.00	
5,000.00	7.98	228.82	4,972.57	265.08 S	303.03 W	515,170.218	802,089.169	0.00	-240.31	0.00	
5,100.00	7.98	228.82	5,071.60	274.22 S	313.48 W	515,161.080	802,078.723	0.00	-248.59	0.00	
5,200.00	7.98	228.82	5,170.64	283.36 S	323.92 W	515,151.942	802,068.277	0.00	-256.88	0.00	
5,300.00	7.98	228.82	5,269.67	292.50 S	334.37 W	515,142.804	802,057.831	0.00	-265.16	0.00	
5,310.43	7.98	228.82	5,280.00	293.45 S	335.46 W	515,141.850	802,056.741	0.00	-266.03	0.00	"Delaware (Lamar)
5,400.00	7.98	228.82	5,368.70	301.63 S	344.82 W	515,133.666	802,047.385	0.00	-273.45	0.00	
5,500.00	7.98	228.82	5,467.73	310.77 S	355.26 W	515,124.528	802,036.938	0.00	-281.73	0.00	
5,600.00	7.98	228.82	5,566.76	319.91 S	365.71 W	515,115.390	802,026.492	0.00	-290.01	0.00	
5,700.00	7.98	228.82	5,665.80	329.05 S	376.15 W	515,106.252	802,016.046	0.00	-298.30	0.00	
5,800.00	7.98	228.82	5,764.83	338.19 S	386.60 W	515,097.114	802,005.600	0.00	-306.58	0.00	
5,900.00	7.98	228.82	5,863.86	347.32 S	397.05 W	515,087.976	801,995.154	0.00	-314.87	0.00	
5,956.69	7.98	228.82	5,920.00	352.50 S	402.97 W	515,082.795	801,989.232	0.00	-319.56	0.00	Cherry Canyon
6,000.00	7.98	228.82	5,962.89	356.46 S	407.49 W	515,078.837	801,984.708	0.00	-323.15	0.00	
6,100.00	7.98	228.82	6,061.92	365.60 S	417.94 W	515,069.699	801,974.261	0.00	-331.43	0.00	
6,118.25	7.98	228.82	6,080.00	367.27 S	419.85 W	515,068.032	801,972.355	0.00	-332.95	0.00	Manzanita Marker
6,200.00	7.98	228.82	6,160.96	374.74 S	428.38 W	515,060.561	801,963.815	0.00	-339.72	0.00	
6,300.00	7.98	228.82	6,259.99	383.88 S	438.83 W	515,051.423	801,953.369	0.00	-348.00	0.00	



Plan Report for Red Stag 5-32 B2OB Fed Com 1H - Plan #1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
6,400.00	7.98	228.82	6,359.02	393.01 S	449.28 W	515,042.285	801,942.923	0.00	-356.29	0.00	
6,500.00	7.98	228.82	6,458.05	402.15 S	459.72 W	515,033.147	801,932.477	0.00	-364.57	0.00	
6,600.00	7.98	228.82	6,557.09	411.29 S	470.17 W	515,024.009	801,922.031	0.00	-372.85	0.00	
6,700.00	7.98	228.82	6,656.12	420.43 S	480.62 W	515,014.871	801,911.584	0.00	-381.14	0.00	
6,800.00	7.98	228.82	6,755.15	429.57 S	491.06 W	515,005.733	801,901.138	0.00	-389.42	0.00	
6,900.00	7.98	228.82	6,854.18	438.70 S	501.51 W	514,996.595	801,890.692	0.00	-397.71	0.00	
7,000.00	7.98	228.82	6,953.21	447.84 S	511.95 W	514,987.457	801,880.246	0.00	-405.99	0.00	
7,100.00	7.98	228.82	7,052.25	456.98 S	522.40 W	514,978.319	801,869.800	0.00	-414.27	0.00	
7,200.00	7.98	228.82	7,151.28	466.12 S	532.85 W	514,969.181	801,859.354	0.00	-422.56	0.00	
7,300.00	7.98	228.82	7,250.31	475.26 S	543.29 W	514,960.043	801,848.907	0.00	-430.84	0.00	
7,400.00	7.98	228.82	7,349.34	484.39 S	553.74 W	514,950.905	801,838.461	0.00	-439.13	0.00	
7,500.00	7.98	228.82	7,448.38	493.53 S	564.18 W	514,941.767	801,828.015	0.00	-447.41	0.00	
7,600.00	7.98	228.82	7,547.41	502.67 S	574.63 W	514,932.629	801,817.569	0.00	-455.69	0.00	
7,700.00	7.98	228.82	7,646.44	511.81 S	585.08 W	514,923.491	801,807.123	0.00	-463.98	0.00	
7,800.00	7.98	228.82	7,745.47	520.95 S	595.52 W	514,914.353	801,796.676	0.00	-472.26	0.00	
7,900.00	7.98	228.82	7,844.50	530.08 S	605.97 W	514,905.215	801,786.230	0.00	-480.55	0.00	
8,000.00	7.98	228.82	7,943.54	539.22 S	616.42 W	514,896.077	801,775.784	0.00	-488.83	0.00	
8,100.00	7.98	228.82	8,042.57	548.36 S	626.86 W	514,886.939	801,765.338	0.00	-497.11	0.00	
8,200.00	7.98	228.82	8,141.60	557.50 S	637.31 W	514,877.801	801,754.892	0.00	-505.40	0.00	
8,300.00	7.98	228.82	8,240.63	566.64 S	647.75 W	514,868.663	801,744.446	0.00	-513.68	0.00	
8,400.00	7.98	228.82	8,339.67	575.77 S	658.20 W	514,859.525	801,733.999	0.00	-521.97	0.00	
8,471.02	7.98	228.82	8,410.00	582.26 S	665.62 W	514,853.035	801,726.580	0.00	-527.85	0.00	Basal Brushy Canyon
8,500.00	7.98	228.82	8,438.70	584.91 S	668.65 W	514,850.387	801,723.553	0.00	-530.25	0.00	
8,600.00	7.98	228.82	8,537.73	594.05 S	679.09 W	514,841.249	801,713.107	0.00	-538.53	0.00	
8,693.17	7.98	228.82	8,630.00	602.56 S	688.83 W	514,832.735	801,703.374	0.00	-546.25	0.00	Bone Spring
8,700.00	7.98	228.82	8,636.76	603.19 S	689.54 W	514,832.111	801,702.661	0.00	-546.82	0.00	
8,800.00	7.98	228.82	8,735.79	612.33 S	699.99 W	514,822.973	801,692.215	0.00	-555.10	0.00	
8,900.00	7.98	228.82	8,834.83	621.46 S	710.43 W	514,813.835	801,681.769	0.00	-563.39	0.00	
9,000.00	7.98	228.82	8,933.86	630.60 S	720.88 W	514,804.697	801,671.322	0.00	-571.67	0.00	
9,100.00	7.98	228.82	9,032.89	639.74 S	731.32 W	514,795.559	801,660.876	0.00	-579.95	0.00	
9,200.00	7.98	228.82	9,131.92	648.88 S	741.77 W	514,786.421	801,650.430	0.00	-588.24	0.00	
9,300.00	7.98	228.82	9,230.95	658.02 S	752.22 W	514,777.283	801,639.984	0.00	-596.52	0.00	
9,400.00	7.98	228.82	9,329.99	667.15 S	762.66 W	514,768.145	801,629.538	0.00	-604.81	0.00	
9,500.00	7.98	228.82	9,429.02	676.29 S	773.11 W	514,759.007	801,619.092	0.00	-613.09	0.00	
9,600.00	7.98	228.82	9,528.05	685.43 S	783.55 W	514,749.869	801,608.645	0.00	-621.37	0.00	
9,700.00	7.98	228.82	9,627.08	694.57 S	794.00 W	514,740.731	801,598.199	0.00	-629.66	0.00	
9,734.76	7.98	228.82	9,661.51	697.75 S	797.63 W	514,737.555	801,594.568	0.00	-632.54	0.00	Start Drop -2.00 at 9734 MD

Plan Report for Red Stag 5-32 B2OB Fed Com 1H - Plan #1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)								
9,800.00	6.67	228.82	9,726.21	703.22 S	803.89 W	514,732.078	801,588.307	2.00	-637.50	180.00	
9,854.10	5.59	228.82	9,780.00	707.03 S	808.24 W	514,728.273	801,583.958	2.00	-640.95	180.00	1st Bone Spring Sand
9,900.00	4.67	228.82	9,825.72	709.73 S	811.33 W	514,725.570	801,580.868	2.00	-643.40	-180.00	
10,000.00	2.67	228.82	9,925.51	713.95 S	816.15 W	514,721.352	801,576.046	2.00	-647.23	180.00	
10,100.00	0.67	228.82	10,025.46	715.87 S	818.35 W	514,719.430	801,573.849	2.00	-648.97	180.00	
10,133.65	0.00	0.00	10,059.11	716.00 S	818.50 W	514,719.300	801,573.700	2.00	-649.09	180.00	Start 100.00 hold at 10133.65 MD
10,200.00	0.00	0.00	10,125.46	716.00 S	818.50 W	514,719.300	801,573.700	0.00	-649.09	0.00	
10,233.65	0.00	0.00	10,159.11	716.00 S	818.50 W	514,719.300	801,573.700	0.00	-649.09	0.00	Start Build 10.00 at 10233 MD
10,300.00	6.63	5.50	10,225.31	712.18 S	818.13 W	514,723.120	801,574.068	10.00	-645.31	5.50	
10,400.00	16.63	5.50	10,323.13	692.13 S	816.20 W	514,743.169	801,575.998	10.00	-625.47	0.00	
10,500.00	26.63	5.50	10,415.97	655.48 S	812.67 W	514,779.822	801,579.528	10.00	-589.21	0.00	
10,504.52	27.09	5.50	10,420.00	653.45 S	812.48 W	514,781.854	801,579.723	10.00	-587.20	0.00	2nd Bone Spring Sand
10,600.00	36.63	5.50	10,501.00	603.34 S	807.65 W	514,831.965	801,584.548	10.00	-537.63	0.00	
10,700.00	46.63	5.50	10,575.65	537.29 S	801.29 W	514,898.013	801,590.908	10.00	-472.29	0.00	
10,800.00	56.63	5.50	10,637.63	459.34 S	793.79 W	514,975.960	801,598.414	10.00	-395.18	0.00	
10,900.00	66.63	5.50	10,685.08	371.86 S	785.36 W	515,063.438	801,606.837	10.00	-308.64	0.00	
11,000.00	76.63	5.50	10,716.55	277.51 S	776.28 W	515,157.788	801,615.922	10.00	-215.31	0.00	
11,100.00	86.63	5.50	10,731.08	179.16 S	766.81 W	515,256.144	801,625.392	10.00	-118.01	0.00	
11,124.82	89.12	5.50	10,732.00	154.47 S	764.43 W	515,280.830	801,627.769	10.00	-93.58	0.00	Start DLS 2.00 TFO -90.04 at 11124 MD - B2OB Landing
11,200.00	89.12	4.00	10,733.16	79.56 S	758.21 W	515,355.741	801,633.991	2.00	-19.40	-90.04	
11,300.00	89.12	2.00	10,734.70	20.29 N	752.98 W	515,455.588	801,639.217	2.00	79.72	-90.02	
11,400.00	89.12	360.00	10,736.24	120.26 N	751.24 W	515,555.556	801,640.955	2.00	179.24	-89.99	
11,416.73	89.12	359.66	10,736.50	136.98 N	751.30 W	515,572.283	801,640.905	2.00	195.92	-89.96	Start 10095.99 hold at 11416.73 MD
11,500.00	89.12	359.66	10,737.78	220.24 N	751.79 W	515,655.542	801,640.413	0.00	278.96	-3.41	
11,600.00	89.12	359.66	10,739.32	320.23 N	752.38 W	515,755.529	801,639.821	0.00	378.68	0.00	
11,700.00	89.12	359.66	10,740.86	420.22 N	752.97 W	515,855.515	801,639.230	0.00	478.40	0.00	
11,800.00	89.12	359.66	10,742.40	520.20 N	753.56 W	515,955.501	801,638.638	0.00	578.12	0.00	
11,900.00	89.12	359.66	10,743.94	620.19 N	754.15 W	516,055.488	801,638.047	0.00	677.84	0.00	
12,000.00	89.12	359.66	10,745.48	720.17 N	754.74 W	516,155.474	801,637.456	0.00	777.56	0.00	
12,100.00	89.12	359.66	10,747.02	820.16 N	755.34 W	516,255.461	801,636.864	0.00	877.28	0.00	
12,200.00	89.12	359.66	10,748.56	920.15 N	755.93 W	516,355.447	801,636.273	0.00	977.00	0.00	
12,300.00	89.12	359.66	10,750.11	1,020.13 N	756.52 W	516,455.433	801,635.682	0.00	1,076.72	0.00	
12,400.00	89.12	359.66	10,751.65	1,120.12 N	757.11 W	516,555.420	801,635.090	0.00	1,176.44	0.00	
12,500.00	89.12	359.66	10,753.19	1,220.11 N	757.70 W	516,655.406	801,634.499	0.00	1,276.16	0.00	
12,600.00	89.12	359.66	10,754.73	1,320.09 N	758.29 W	516,755.393	801,633.907	0.00	1,375.88	0.00	
12,700.00	89.12	359.66	10,756.27	1,420.08 N	758.88 W	516,855.379	801,633.316	0.00	1,475.60	0.00	



Plan Report for Red Stag 5-32 B2OB Fed Com 1H - Plan #1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
12,800.00	89.12	359.66	10,757.81	1,520.07 N	759.48 W	516,955.365	801,632.725	0.00	1,575.32	0.00	
12,900.00	89.12	359.66	10,759.35	1,620.05 N	760.07 W	517,055.352	801,632.133	0.00	1,675.04	0.00	
13,000.00	89.12	359.66	10,760.89	1,720.04 N	760.66 W	517,155.338	801,631.542	0.00	1,774.76	0.00	
13,100.00	89.12	359.66	10,762.43	1,820.02 N	761.25 W	517,255.324	801,630.951	0.00	1,874.49	0.00	
13,200.00	89.12	359.66	10,763.97	1,920.01 N	761.84 W	517,355.311	801,630.359	0.00	1,974.21	0.00	
13,300.00	89.12	359.66	10,765.51	2,020.00 N	762.43 W	517,455.297	801,629.768	0.00	2,073.93	0.00	
13,400.00	89.12	359.66	10,767.05	2,119.98 N	763.02 W	517,555.284	801,629.176	0.00	2,173.65	0.00	
13,500.00	89.12	359.66	10,768.59	2,219.97 N	763.61 W	517,655.270	801,628.585	0.00	2,273.37	0.00	
13,600.00	89.12	359.66	10,770.13	2,319.96 N	764.21 W	517,755.256	801,627.994	0.00	2,373.09	0.00	
13,700.00	89.12	359.66	10,771.67	2,419.94 N	764.80 W	517,855.243	801,627.402	0.00	2,472.81	0.00	
13,800.00	89.12	359.66	10,773.21	2,519.93 N	765.39 W	517,955.229	801,626.811	0.00	2,572.53	0.00	
13,900.00	89.12	359.66	10,774.75	2,619.92 N	765.98 W	518,055.216	801,626.220	0.00	2,672.25	0.00	
14,000.00	89.12	359.66	10,776.29	2,719.90 N	766.57 W	518,155.202	801,625.628	0.00	2,771.97	0.00	
14,100.00	89.12	359.66	10,777.83	2,819.89 N	767.16 W	518,255.188	801,625.037	0.00	2,871.69	0.00	
14,200.00	89.12	359.66	10,779.37	2,919.87 N	767.75 W	518,355.175	801,624.445	0.00	2,971.41	0.00	
14,300.00	89.12	359.66	10,780.91	3,019.86 N	768.35 W	518,455.161	801,623.854	0.00	3,071.13	0.00	
14,400.00	89.12	359.66	10,782.45	3,119.85 N	768.94 W	518,555.148	801,623.263	0.00	3,170.85	0.00	
14,500.00	89.12	359.66	10,783.99	3,219.83 N	769.53 W	518,655.134	801,622.671	0.00	3,270.57	0.00	
14,600.00	89.12	359.66	10,785.53	3,319.82 N	770.12 W	518,755.120	801,622.080	0.00	3,370.29	0.00	
14,700.00	89.12	359.66	10,787.07	3,419.81 N	770.71 W	518,855.107	801,621.489	0.00	3,470.01	0.00	
14,800.00	89.12	359.66	10,788.61	3,519.79 N	771.30 W	518,955.093	801,620.897	0.00	3,569.73	0.00	
14,900.00	89.12	359.66	10,790.15	3,619.78 N	771.89 W	519,055.079	801,620.306	0.00	3,669.45	0.00	
15,000.00	89.12	359.66	10,791.69	3,719.77 N	772.49 W	519,155.066	801,619.714	0.00	3,769.17	0.00	
15,100.00	89.12	359.66	10,793.23	3,819.75 N	773.08 W	519,255.052	801,619.123	0.00	3,868.89	0.00	
15,200.00	89.12	359.66	10,794.77	3,919.74 N	773.67 W	519,355.039	801,618.532	0.00	3,968.62	0.00	
15,300.00	89.12	359.66	10,796.31	4,019.73 N	774.26 W	519,455.025	801,617.940	0.00	4,068.34	0.00	
15,400.00	89.12	359.66	10,797.85	4,119.71 N	774.85 W	519,555.011	801,617.349	0.00	4,168.06	0.00	
15,500.00	89.12	359.66	10,799.39	4,219.70 N	775.44 W	519,654.998	801,616.758	0.00	4,267.78	0.00	
15,600.00	89.12	359.66	10,800.93	4,319.68 N	776.03 W	519,754.984	801,616.166	0.00	4,367.50	0.00	
15,700.00	89.12	359.66	10,802.47	4,419.67 N	776.63 W	519,854.971	801,615.575	0.00	4,467.22	0.00	
15,800.00	89.12	359.66	10,804.01	4,519.66 N	777.22 W	519,954.957	801,614.983	0.00	4,566.94	0.00	
15,900.00	89.12	359.66	10,805.55	4,619.64 N	777.81 W	520,054.943	801,614.392	0.00	4,666.66	0.00	
16,000.00	89.12	359.66	10,807.09	4,719.63 N	778.40 W	520,154.930	801,613.801	0.00	4,766.38	0.00	
16,100.00	89.12	359.66	10,808.63	4,819.62 N	778.99 W	520,254.916	801,613.209	0.00	4,866.10	0.00	
16,200.00	89.12	359.66	10,810.17	4,919.60 N	779.58 W	520,354.903	801,612.618	0.00	4,965.82	0.00	
16,300.00	89.12	359.66	10,811.71	5,019.59 N	780.17 W	520,454.889	801,612.027	0.00	5,065.54	0.00	
16,400.00	89.12	359.66	10,813.25	5,119.58 N	780.76 W	520,554.875	801,611.435	0.00	5,165.26	0.00	

HALLIBURTON**Plan Report for Red Stag 5-32 B2OB Fed Com 1H - Plan #1**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
16,500.00	89.12	359.66	10,814.79	5,219.56 N	781.36 W	520,654.862	801,610.844	0.00	5,264.98	0.00	
16,600.00	89.12	359.66	10,816.33	5,319.55 N	781.95 W	520,754.848	801,610.253	0.00	5,364.70	0.00	
16,700.00	89.12	359.66	10,817.87	5,419.53 N	782.54 W	520,854.834	801,609.661	0.00	5,464.42	0.00	
16,800.00	89.12	359.66	10,819.41	5,519.52 N	783.13 W	520,954.821	801,609.070	0.00	5,564.14	0.00	
16,900.00	89.12	359.66	10,820.95	5,619.51 N	783.72 W	521,054.807	801,608.478	0.00	5,663.86	0.00	
17,000.00	89.12	359.66	10,822.49	5,719.49 N	784.31 W	521,154.794	801,607.887	0.00	5,763.58	0.00	
17,100.00	89.12	359.66	10,824.03	5,819.48 N	784.90 W	521,254.780	801,607.296	0.00	5,863.30	0.00	
17,200.00	89.12	359.66	10,825.58	5,919.47 N	785.50 W	521,354.766	801,606.704	0.00	5,963.03	0.00	
17,300.00	89.12	359.66	10,827.12	6,019.45 N	786.09 W	521,454.753	801,606.113	0.00	6,062.75	0.00	
17,400.00	89.12	359.66	10,828.66	6,119.44 N	786.68 W	521,554.739	801,605.522	0.00	6,162.47	0.00	
17,500.00	89.12	359.66	10,830.20	6,219.43 N	787.27 W	521,654.726	801,604.930	0.00	6,262.19	0.00	
17,600.00	89.12	359.66	10,831.74	6,319.41 N	787.86 W	521,754.712	801,604.339	0.00	6,361.91	0.00	
17,700.00	89.12	359.66	10,833.28	6,419.40 N	788.45 W	521,854.698	801,603.747	0.00	6,461.63	0.00	
17,800.00	89.12	359.66	10,834.82	6,519.38 N	789.04 W	521,954.685	801,603.156	0.00	6,561.35	0.00	
17,900.00	89.12	359.66	10,836.36	6,619.37 N	789.64 W	522,054.671	801,602.565	0.00	6,661.07	0.00	
18,000.00	89.12	359.66	10,837.90	6,719.36 N	790.23 W	522,154.658	801,601.973	0.00	6,760.79	0.00	
18,100.00	89.12	359.66	10,839.44	6,819.34 N	790.82 W	522,254.644	801,601.382	0.00	6,860.51	0.00	
18,200.00	89.12	359.66	10,840.98	6,919.33 N	791.41 W	522,354.630	801,600.791	0.00	6,960.23	0.00	
18,300.00	89.12	359.66	10,842.52	7,019.32 N	792.00 W	522,454.617	801,600.199	0.00	7,059.95	0.00	
18,400.00	89.12	359.66	10,844.06	7,119.30 N	792.59 W	522,554.603	801,599.608	0.00	7,159.67	0.00	
18,500.00	89.12	359.66	10,845.60	7,219.29 N	793.18 W	522,654.590	801,599.016	0.00	7,259.39	0.00	
18,600.00	89.12	359.66	10,847.14	7,319.28 N	793.77 W	522,754.576	801,598.425	0.00	7,359.11	0.00	
18,700.00	89.12	359.66	10,848.68	7,419.26 N	794.37 W	522,854.562	801,597.834	0.00	7,458.83	0.00	
18,800.00	89.12	359.66	10,850.22	7,519.25 N	794.96 W	522,954.549	801,597.242	0.00	7,558.55	0.00	
18,900.00	89.12	359.66	10,851.76	7,619.24 N	795.55 W	523,054.535	801,596.651	0.00	7,658.27	0.00	
19,000.00	89.12	359.66	10,853.30	7,719.22 N	796.14 W	523,154.521	801,596.060	0.00	7,757.99	0.00	
19,100.00	89.12	359.66	10,854.84	7,819.21 N	796.73 W	523,254.508	801,595.468	0.00	7,857.71	0.00	
19,200.00	89.12	359.66	10,856.38	7,919.19 N	797.32 W	523,354.494	801,594.877	0.00	7,957.44	0.00	
19,300.00	89.12	359.66	10,857.92	8,019.18 N	797.91 W	523,454.481	801,594.285	0.00	8,057.16	0.00	
19,400.00	89.12	359.66	10,859.46	8,119.17 N	798.51 W	523,554.467	801,593.694	0.00	8,156.88	0.00	
19,500.00	89.12	359.66	10,861.00	8,219.15 N	799.10 W	523,654.453	801,593.103	0.00	8,256.60	0.00	
19,600.00	89.12	359.66	10,862.54	8,319.14 N	799.69 W	523,754.440	801,592.511	0.00	8,356.32	0.00	
19,700.00	89.12	359.66	10,864.08	8,419.13 N	800.28 W	523,854.426	801,591.920	0.00	8,456.04	0.00	
19,800.00	89.12	359.66	10,865.62	8,519.11 N	800.87 W	523,954.413	801,591.329	0.00	8,555.76	0.00	
19,900.00	89.12	359.66	10,867.16	8,619.10 N	801.46 W	524,054.399	801,590.737	0.00	8,655.48	0.00	
20,000.00	89.12	359.66	10,868.70	8,719.09 N	802.05 W	524,154.385	801,590.146	0.00	8,755.20	0.00	
20,100.00	89.12	359.66	10,870.24	8,819.07 N	802.65 W	524,254.372	801,589.554	0.00	8,854.92	0.00	

HALLIBURTON

Plan Report for Red Stag 5-32 B2OB Fed Com 1H - Plan #1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
20,200.00	89.12	359.66	10,871.78	8,919.06 N	803.24 W	524,354.358	801,588.963	0.00	8,954.64	0.00	
20,300.00	89.12	359.66	10,873.32	9,019.04 N	803.83 W	524,454.345	801,588.372	0.00	9,054.36	0.00	
20,400.00	89.12	359.66	10,874.86	9,119.03 N	804.42 W	524,554.331	801,587.780	0.00	9,154.08	0.00	
20,500.00	89.12	359.66	10,876.40	9,219.02 N	805.01 W	524,654.317	801,587.189	0.00	9,253.80	0.00	
20,600.00	89.12	359.66	10,877.94	9,319.00 N	805.60 W	524,754.304	801,586.598	0.00	9,353.52	0.00	
20,700.00	89.12	359.66	10,879.48	9,418.99 N	806.19 W	524,854.290	801,586.006	0.00	9,453.24	0.00	
20,800.00	89.12	359.66	10,881.02	9,518.98 N	806.79 W	524,954.276	801,585.415	0.00	9,552.96	0.00	
20,900.00	89.12	359.66	10,882.56	9,618.96 N	807.38 W	525,054.263	801,584.823	0.00	9,652.68	0.00	
21,000.00	89.12	359.66	10,884.10	9,718.95 N	807.97 W	525,154.249	801,584.232	0.00	9,752.40	0.00	
21,100.00	89.12	359.66	10,885.64	9,818.94 N	808.56 W	525,254.236	801,583.641	0.00	9,852.12	0.00	
21,200.00	89.12	359.66	10,887.18	9,918.92 N	809.15 W	525,354.222	801,583.049	0.00	9,951.84	0.00	
21,300.00	89.12	359.66	10,888.72	10,018.91 N	809.74 W	525,454.208	801,582.458	0.00	10,051.57	0.00	
21,400.00	89.12	359.66	10,890.26	10,118.89 N	810.33 W	525,554.195	801,581.867	0.00	10,151.29	0.00	
21,500.00	89.12	359.66	10,891.80	10,218.88 N	810.92 W	525,654.181	801,581.275	0.00	10,251.01	0.00	
21,512.00	89.12	359.66	10,891.99	10,230.88 N	811.00 W	525,666.180	801,581.204	0.00	10,262.97	0.00	4 1/2" Casing
21,512.72	89.12	359.66	10,892.00	10,231.60 N	811.00 W	525,666.900	801,581.200	0.00	10,263.69	0.00	TD at 21512.72 - B2OB BHL

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,800.00	1,800.00	0.00	0.00	Start 100.00 hold at 1800.00 MD
1,900.00	1,900.00	0.00	0.00	Start Build 2.00 AT 1900 MD
2,298.89	2,297.60	-18.25	-20.87	Start 7435.87 hold at 2298.89 MD
9,734.76	9,661.51	-697.75	-797.63	Start Drop -2.00 at 9734 MD
10,133.65	10,059.11	-716.00	-818.50	Start 100.00 hold at 10133.65 MD
10,233.65	10,159.11	-716.00	-818.50	Start Build 10.00 at 10233 MD
11,124.82	10,732.00	-154.47	-764.43	Start DLS 2.00 TFO -90.04 at 11124 MD
11,416.73	10,736.50	136.98	-751.30	Start 10095.99 hold at 11416.73 MD
21,512.72	10,892.00	10,231.60	-811.00	TD at 21512.72

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/ S (usft)	+E/-W (usft)	
TD	No Target (Freehand)	355.47	Slot	0.00	0.00	0.00

HALLIBURTON

Mewbourne Oil Company

Lea County, NM (NAD83)

Plan Report for Red Stag 5-32 B2OB Fed Com 1H - Plan #1

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	21,512.61	Plan #1	3_MWD+HRGM

Casing Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
21,512.00	10,891.99	4 1/2" Casing	4-1/2	6

Formation Details

Measured Depth (usft)	Vertical Depth (usft)	TVDSS (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,780.00	1,780.00	-1,852.00	Rustler			
2,281.12	2,280.00	-1,352.00	Salt Top			
3,755.38	3,740.00	108.00	Salt Base			
3,997.73	3,980.00	348.00	Yates			
4,290.56	4,270.00	638.00	Capitan			
5,310.43	5,280.00	1,648.00	"Delaware (Lamar)			
5,956.69	5,920.00	2,288.00	Cherry Canyon			
6,118.25	6,080.00	2,448.00	Manzanita Marker			
8,471.02	8,410.00	4,778.00	Basal Brushy Canyon			
8,693.17	8,630.00	4,998.00	Bone Spring			
9,854.10	9,780.00	6,148.00	1st Bone Spring Sand			
10,504.52	10,420.00	6,788.00	2nd Bone Spring Sand			

HALLIBURTON

Mewbourne Oil Company

Lea County, NM (NAD83)

Plan Report for Red Stag 5-32 B2OB Fed Com 1H - Plan #1

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
B2OB Landing ()	0.00	0.00	10,732.00	-154.47	-764.43	515,280.830	801,627.770	32° 24' 49.502966 N	103° 29' 23.489817 W
- plan hits target center									
- Point									
B2OB Bfill ()	0.00	0.00	10,892.00	10,131.60	-811.00	525,666.990	801,581.200	32° 26' 32.273325 N	103° 29' 23.076453 W
- plan hits target center									
- Point									

Directional Difficulty Index

Average Dogleg over Survey:	0.52 °/100usft	Maximum Dogleg over Survey:	10.00 °/100usft at 11,124.82 usft
Net Tortousity applicable to Plans:	0.52 °/100usft	Directional Difficulty Index:	6.695

Audit Info

North Reference Sheet for Sec 05-T22S-R34E - Red Stag 5-32 B2OB Fed Com 1H - Wellbore #1

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

Vertical Depths are relative to . @ 3632.00usft (597). Northing and Easting are relative to Red Stag 5-32 B2OB Fed Com 1H

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° 19' 60.000000 W°, Longitude Origin:0° 0' 0.000000 E°, Latitude Origin:0° 0' 0.000000 N°

False Easting: 541,337.500usft, False Northing: 0.000usft, Scale Reduction: 0.99998714

Grid Coordinates of Well: 515,435.300 usft N, 802,392.200 usft E

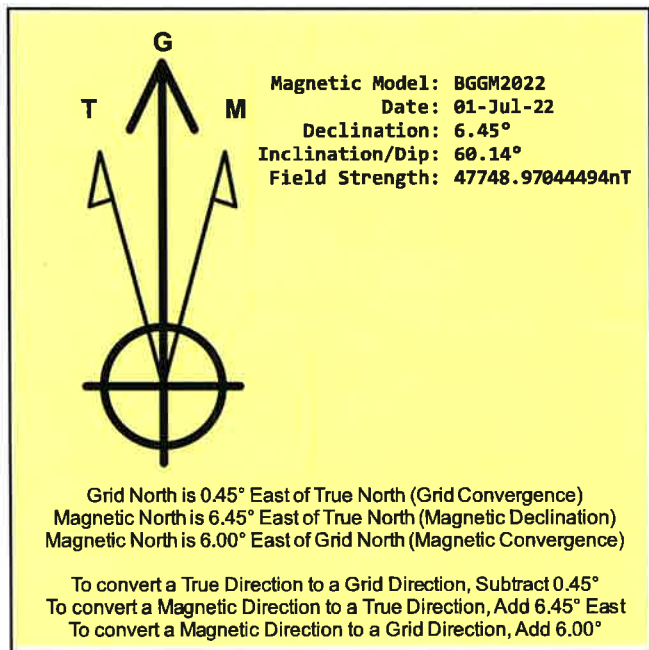
Geographical Coordinates of Well: 32° 24' 50.971619 N, 103° 29' 14.558657 W

Grid Convergence at Surface is: 0.45°

Based upon Minimum Curvature type calculations, at a Measured Depth of 21,512.72usft

the Bottom Hole Displacement is 10,263.69usft in the Direction of 355.47° (Grid).

Magnetic Convergence at surface is: -6.00° (1 July 2022, , BGGM2022)



Intent ☐ As Drilled ☒

API # 30-025-50330		
Operator Name: Mewbourne Oil Co.	Property Name: Red Stag 5/32 B2OB Fed Com	Well Number 1H

Kick Off Point (KOP)

UL B	Section 8	Township 22S	Range 34E	Lot	Feet 467	From N/S N	Feet 2013	From E/W E	County Lea
Latitude 32.4121931					Longitude -103.4900154				NAD 83

First Take Point (FTP)

UL O	Section 5	Township 22S	Range 34E	Lot	Feet 131	From N/S S	Feet 1963	From E/W E	County Lea
Latitude 32.4138352					Longitude -103.4898516				NAD 83

Last Take Point (LTP)

UL B	Section 32	Township 21S	Range 34E	Lot	Feet 107	From N/S N	Feet 1951	From E/W E	County Lea
Latitude 32.4422780					Longitude -103.4897482				NAD 83

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

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

API # 30-025-50332		
Operator Name: Mewbourne Oil Company	Property Name: Red Stag 5/32 B3OB Fed Com	Well Number 1H

KZ 06/29/2018

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

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

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 ☐ 2. Name of Operator Mewbourne Oil Company 3. Address of Operator PO Box 5270, Hobbs NM 88241 4. Well Location Unit Letter <u>P</u> : <u>250</u> feet from the <u>South</u> line and <u>1200</u> feet from the <u>East</u> line Section <u>5</u> Township <u>22S</u> Range <u>34E</u> NMPM Lea County 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3604' GL		WELL API NO. 30-025-50330 5. Indicate Type of Lease STATE ☐ FEE ☐ 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name Red Stag 5/32 B2OB Fed Com 8. Well Number 1H 9. OGRID Number 14744 10. Pool name or Wildcat [28432] Grama Ridge; Bone Spring
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12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: Completion Sundry ☒

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.

02/26/2023-Perf & Frac 1-52 stages from 11109'-21430'. Frac horizontal Bone Spring w/20506206 gals FW slickwater, carrying 20694621# local 100 mesh sand.

Drill out frac plugs to PBDT @ 21466'.

03/07/2023
 PWOL.

FORMATION TOPS: Rustler 1780', T Salt 2280', B Salt 3740', Delaware 5280', Manzanita Marker 6080', Bone Spring 8630', 1st Bone Spring 9680'.

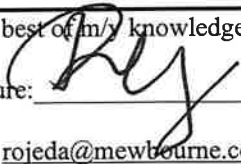
Spud Date: 10/04/2022

Rig Release Date: 11/05/2022

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

Printed name: Ruby Ojeda

Title: Regulatory

Signature: 

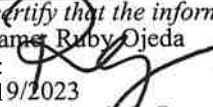
Date: 04/19/2023

Phone: 575-393-5905

Email: rojeda@mewbourne.com

For State Use Only

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

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. 30-025-50330					
		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 Red Stag 5/32 B2OB Fed Com			
				6. Well Number: 1H			
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER							
8. Name of Operator Mewbourne Oil Company				9. OGRID 14744			
10. Address of Operator PO Box 5270 Hobbs, NM 88240				11. Pool name or Wildcat [28432] Grama Ridge; Bone Springs			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	
Surface:	P	5	22S	34E		250	
BH:	B	32	21S	34E		85	
13. Date Spudded 10/04/2022	14. Date T.D. Reached 11/03/2022	15. Date Rig Released 11/05/2022	16. Date Completed (Ready to Produce) 03/07/2023		17. Elevations (DF and RKB, RT, GR, etc.) 3604' GL		
18. Total Measured Depth of Well 21485' MD		19. Plug Back Measured Depth 21466' MD		20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run GR	
22. Producing Interval(s), of this completion - Top, Bottom, Name 11109'-21430' Bone Spring							
23. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
13 3/8"	54.5	1905'	17 1/2"	1100	0		
9 5/8"	40	5418'	12 1/4"	1500	0		
7"	29	10158'	8 3/4"	900	0		
24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	
4 1/2"	9922'	21483'	950				
26. Perforation record (interval, size, and number) 11109'-21430' (52 stages, 0.39" EHD, 1872 holes)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 11109'-21430' Frac horizontal Bone Spring w/20506206 gals FW slickwater, carrying 20694621# local 100 mesh sand			
28. PRODUCTION							
Date First Production 03/07/2023		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) Producing		
Date of Test 03/09/2023	Hours Tested 24	Choke Size 32/64"	Prod'n For Test Period	Oil - Bbl 135	Gas - MCF 105	Water - Bbl. 1474	
Flow Tubing Press. Na	Casing Pressure 1450	Calculated 24- Hour Rate	Oil - Bbl. 135	Gas - MCF 105	Water - Bbl. 1474	Gas - Oil Ratio 777	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						30. Test Witnessed By Robin Terrell	
31. List Attachments C104, Deviation Survey, completion sundry, Directional Survey, Gyro log, Final C-102							
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.						33. Rig Release Date: 11/05/2022	
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 Name: Ruby Ojeda			Title: Regulatory				
Signature: 							
Date: 04/19/2023							
E-mail Address: rojeda@mewbourne.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 1780	T. Bell Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 2280	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3740	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 3980	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	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. Yates	Base Greenhorn	T. Granite
T. Blinebry	T. Capitan 4270	T. Dakota	
T. Tubb	T. Delaware 5280	T. Morrison	
T. Drinkard	T. Bone Springs 8630	T. Todilto	
T. Abo	T. Castile	T. Entrada	
T. Wolfcamp	T. Manzanita 6080	T. Wingate	
T. Penn	B. Cherry Canyon 5920	T. Chinle	
T. Cisco (Bough C)	T. Bell Canyon	T. Wolfcamp	

OIL OR GAS
SANDS OR ZONES

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

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

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

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

IMPORTANT WATER SANDS

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

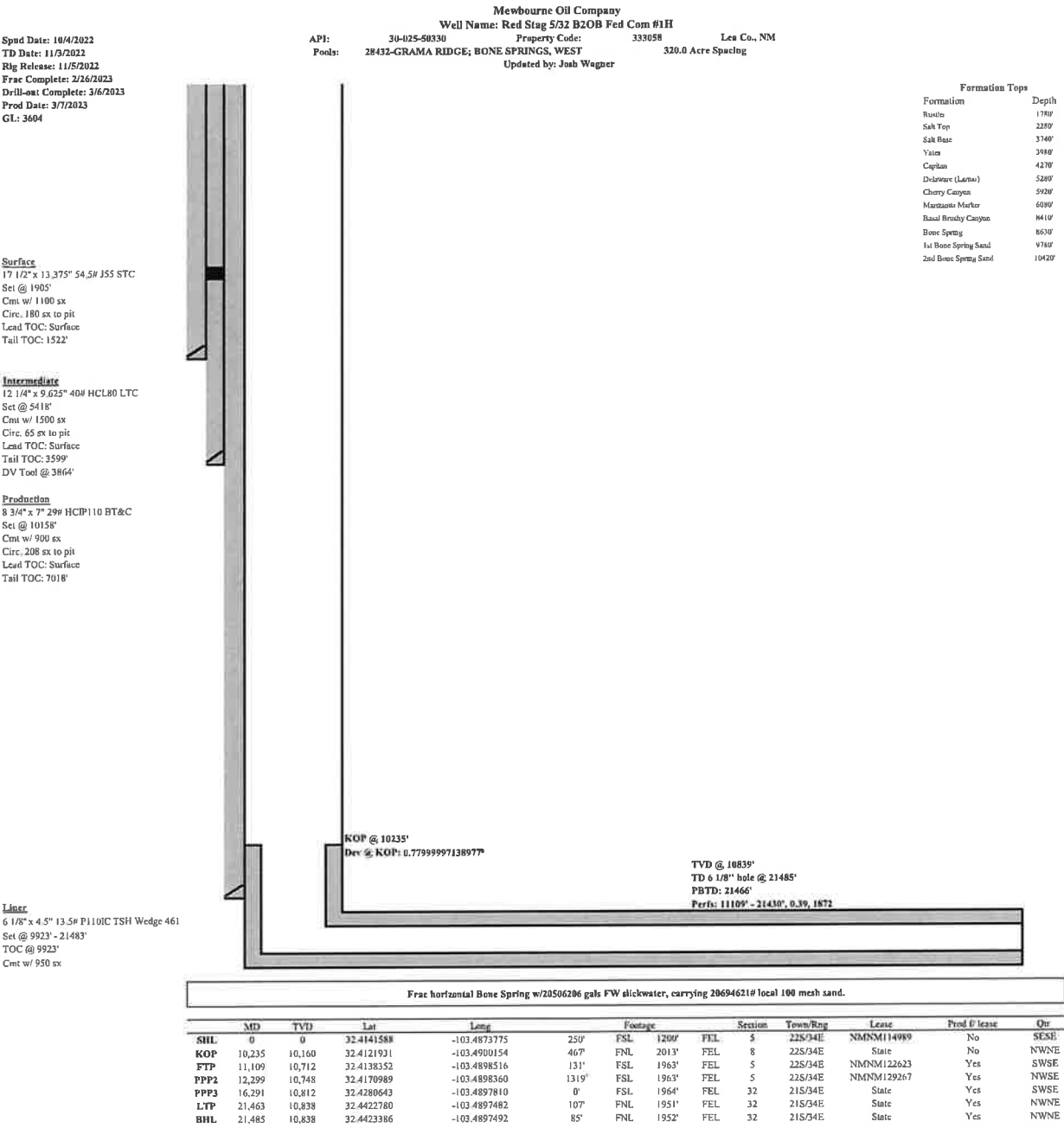
No. 1, from.....to.....feet.....

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



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 209383

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 209383
	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.

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CONDITIONS

Action 209383

CONDITIONS

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	Action Number: 209383
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report and 3160-5 Completion Sundry within 10 days to NMOCD after BLM approval.	3/7/2024