

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

WELL API NO. 30-015-54349
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name SANDLOT 9/8 FEE
8. Well Number 851H
9. OGRID Number 14744
10. Pool name or Wildcat PURPLE SAGE; WOLFCAMP (GAS)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3082' GL

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 P.O. Box 5720, Hobbs, NM 88241	
4. Well Location Unit Letter L : 1395 feet from the South line and 355 feet from the West line Section 10 Township 22S Range 27E NMPM County Eddy	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3082' 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: ☐	

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.

Mewbourne Oil Company requests permission to:

Change the SHL from 1395' FSL & 355' FWL (Sec 10, T22S, R27E) to 255' FNL & 560' FWL (Sec 10, T22S, R27E)

Perform offline cementing and BOPE break testing as detailed in the attached documents

See attached C102, directional plot/plan, casing assumptions, additional info, & variance documents

Spud Date:

12/25/2023

Rig Release Date:

1/20/2024

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

SIGNATURE Bennett Hall TITLE Petroleum Engineer DATE 12/11/2023

Type or print name Bennett Hall E-mail address: bhall@mewbourne.com PHONE: 806-202-4349

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 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 PLAT

¹ API Number 30-015-54349		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	
⁴ Property Code 334840		⁵ Property Name SANDLOT 9/8 FEE			⁶ Well Number 851H
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3099'

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
D	10	22S	27E		255	NORTH	560	WEST	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
D	8	22S	27E		450	NORTH	330	WEST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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>CORNER DATA</u> NAD 83 GRID - NM EAST A: FOUND 1/2" REBAR N: 509295.4 - E: 576249.5 B: FOUND 1" PIPE N: 514658.2 - E: 576248.6 C: FOUND 1" IRON PIPE N: 514641.5 - E: 578890.0 D: FOUND 1" IRON PIPE N: 514624.6 - E: 581530.3 E: FOUND 2" IRON PIPE N: 514672.0 - E: 584188.3 F: FOUND 1/2" REBAR N: 514644.6 - E: 586833.4 G: FOUND 1/2" REBAR N: 514619.5 - E: 589464.7 H: FOUND 1/2" REBAR N: 514605.4 - E: 592087.5 I: FOUND 1/2" REBAR N: 511996.7 - E: 592113.3 J: FOUND ALUM CAP STAMPED "PE & PS 5412" N: 509338.2 - E: 592118.7 K: FOUND COTTON SPINDLE N: 509339.9 - E: 589478.7 L: FOUND COTTON SPINDLE N: 509342.6 - E: 586839.8 M: FOUND 1/2" REBAR N: 509327.9 - E: 584195.2 N: FOUND 1/2" REBAR N: 509313.0 - E: 581561.0 <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST <u>SURFACE LOCATION</u> N: 514384.3 - E: 587393.5 LAT: 32.4140212° N LONG: 104.1840854° W <u>BOTTOM HOLE</u> N: 514206.2 - E: 576578.6 LAT: 32.4135682° N LONG: 104.2191324° W Project Area Producing Area		¹⁷ OPERATOR CERTIFICATION <i>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> <i>Bennett Hall</i> 12/11/2023 Signature Date Bennett Hall Printed Name bhall@mewbourne.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION <i>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.</i> 12/04/2023 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number Job No.: LS23121014
---	--	--

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Sandlot 9/8 Fee #851H

Sec 10, T22S, R27E

SHL: 255' FNL & 560' FWL (Sec 10)

BHL: 450' FNL & 330' FWL (Sec 8)

Plan: Design #1

Standard Planning Report

11 December, 2023

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Sandlot 9/8 Fee #851H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3127.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3127.0usft (Original Well Elev)
Site:	Sandlot 9/8 Fee #851H	North Reference:	Grid
Well:	Sec 10, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 450' FNL & 330' FWL (Sec 8)		
Design:	Design #1		

Project	Eddy County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Sandlot 9/8 Fee #851H			
Site Position:		Northing:	514,384.20 usft	Latitude:	32.4140209
From:	Map	Easting:	587,393.70 usft	Longitude:	-104.1840847
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	

Well	Sec 10, T22S, R27E					
Well Position	+N/-S	0.0 usft	Northing:	514,384.20 usft	Latitude:	32.4140209
	+E/-W	0.0 usft	Easting:	587,393.70 usft	Longitude:	-104.1840847
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,127.0 usft	Ground Level:	3,099.0 usft
Grid Convergence:		0.08 °				

Wellbore	BHL: 450' FNL & 330' FWL (Sec 8)				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.45	60.17	48,287.07730682

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	269.06	

Plan Survey Tool Program	Date	12/11/2023			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	19,628.1	Design #1 (BHL: 450' FNL & 330'		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
460.0	0.00	0.00	460.0	0.0	0.0	0.00	0.00	0.00	0.00	
589.2	2.58	238.79	589.2	-1.5	-2.5	2.00	2.00	0.00	238.79	
8,673.1	2.58	238.79	8,664.8	-190.4	-314.3	0.00	0.00	0.00	0.00	
8,802.3	0.00	0.00	8,794.0	-191.9	-316.8	2.00	-2.00	0.00	180.00	KOP: 450' FNL & 243
9,708.2	90.58	270.08	9,367.0	-191.1	-895.6	10.00	10.00	0.00	-89.92	
19,628.1	90.58	270.08	9,267.0	-178.1	-10,815.0	0.00	0.00	0.00	0.00	BHL: 450' FNL & 330'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Sandlot 9/8 Fee #851H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3127.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3127.0usft (Original Well Elev)
Site:	Sandlot 9/8 Fee #851H	North Reference:	Grid
Well:	Sec 10, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 450' FNL & 330' FWL (Sec 8)		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL: 255' FNL & 560' FWL (Sec 10)									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
460.0	0.00	0.00	460.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.80	238.79	500.0	-0.1	-0.2	0.2	2.00	2.00	0.00
589.2	2.58	238.79	589.2	-1.5	-2.5	2.5	2.00	2.00	0.00
600.0	2.58	238.79	599.9	-1.8	-2.9	2.9	0.00	0.00	0.00
700.0	2.58	238.79	699.8	-4.1	-6.8	6.8	0.00	0.00	0.00
800.0	2.58	238.79	799.7	-6.4	-10.6	10.7	0.00	0.00	0.00
900.0	2.58	238.79	899.6	-8.8	-14.5	14.6	0.00	0.00	0.00
1,000.0	2.58	238.79	999.5	-11.1	-18.3	18.5	0.00	0.00	0.00
1,100.0	2.58	238.79	1,099.4	-13.4	-22.2	22.4	0.00	0.00	0.00
1,200.0	2.58	238.79	1,199.3	-15.8	-26.1	26.3	0.00	0.00	0.00
1,300.0	2.58	238.79	1,299.2	-18.1	-29.9	30.2	0.00	0.00	0.00
1,400.0	2.58	238.79	1,399.1	-20.5	-33.8	34.1	0.00	0.00	0.00
1,500.0	2.58	238.79	1,499.0	-22.8	-37.6	38.0	0.00	0.00	0.00
1,600.0	2.58	238.79	1,598.9	-25.1	-41.5	41.9	0.00	0.00	0.00
1,700.0	2.58	238.79	1,698.8	-27.5	-45.3	45.8	0.00	0.00	0.00
1,800.0	2.58	238.79	1,798.7	-29.8	-49.2	49.7	0.00	0.00	0.00
1,900.0	2.58	238.79	1,898.6	-32.1	-53.1	53.6	0.00	0.00	0.00
2,000.0	2.58	238.79	1,998.5	-34.5	-56.9	57.5	0.00	0.00	0.00
2,100.0	2.58	238.79	2,098.4	-36.8	-60.8	61.4	0.00	0.00	0.00
2,200.0	2.58	238.79	2,198.3	-39.1	-64.6	65.3	0.00	0.00	0.00
2,300.0	2.58	238.79	2,298.2	-41.5	-68.5	69.2	0.00	0.00	0.00
2,400.0	2.58	238.79	2,398.1	-43.8	-72.3	73.1	0.00	0.00	0.00
2,500.0	2.58	238.79	2,498.0	-46.2	-76.2	76.9	0.00	0.00	0.00
2,600.0	2.58	238.79	2,597.9	-48.5	-80.1	80.8	0.00	0.00	0.00
2,700.0	2.58	238.79	2,697.8	-50.8	-83.9	84.7	0.00	0.00	0.00
2,800.0	2.58	238.79	2,797.7	-53.2	-87.8	88.6	0.00	0.00	0.00
2,900.0	2.58	238.79	2,897.6	-55.5	-91.6	92.5	0.00	0.00	0.00
3,000.0	2.58	238.79	2,997.5	-57.8	-95.5	96.4	0.00	0.00	0.00
3,100.0	2.58	238.79	3,097.4	-60.2	-99.3	100.3	0.00	0.00	0.00
3,200.0	2.58	238.79	3,197.3	-62.5	-103.2	104.2	0.00	0.00	0.00
3,300.0	2.58	238.79	3,297.2	-64.8	-107.1	108.1	0.00	0.00	0.00
3,400.0	2.58	238.79	3,397.1	-67.2	-110.9	112.0	0.00	0.00	0.00
3,500.0	2.58	238.79	3,497.0	-69.5	-114.8	115.9	0.00	0.00	0.00
3,600.0	2.58	238.79	3,596.9	-71.9	-118.6	119.8	0.00	0.00	0.00
3,700.0	2.58	238.79	3,696.8	-74.2	-122.5	123.7	0.00	0.00	0.00
3,800.0	2.58	238.79	3,796.7	-76.5	-126.3	127.6	0.00	0.00	0.00
3,900.0	2.58	238.79	3,896.6	-78.9	-130.2	131.5	0.00	0.00	0.00
4,000.0	2.58	238.79	3,996.5	-81.2	-134.1	135.4	0.00	0.00	0.00
4,100.0	2.58	238.79	4,096.4	-83.5	-137.9	139.3	0.00	0.00	0.00
4,200.0	2.58	238.79	4,196.3	-85.9	-141.8	143.2	0.00	0.00	0.00
4,300.0	2.58	238.79	4,296.2	-88.2	-145.6	147.1	0.00	0.00	0.00
4,400.0	2.58	238.79	4,396.1	-90.5	-149.5	151.0	0.00	0.00	0.00
4,500.0	2.58	238.79	4,496.0	-92.9	-153.3	154.8	0.00	0.00	0.00
4,600.0	2.58	238.79	4,595.9	-95.2	-157.2	158.7	0.00	0.00	0.00
4,700.0	2.58	238.79	4,695.8	-97.6	-161.1	162.6	0.00	0.00	0.00
4,800.0	2.58	238.79	4,795.7	-99.9	-164.9	166.5	0.00	0.00	0.00
4,900.0	2.58	238.79	4,895.6	-102.2	-168.8	170.4	0.00	0.00	0.00
5,000.0	2.58	238.79	4,995.5	-104.6	-172.6	174.3	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Sandlot 9/8 Fee #851H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3127.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3127.0usft (Original Well Elev)
Site:	Sandlot 9/8 Fee #851H	North Reference:	Grid
Well:	Sec 10, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 450' FNL & 330' FWL (Sec 8)		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,100.0	2.58	238.79	5,095.4	-106.9	-176.5	178.2	0.00	0.00	0.00	
5,200.0	2.58	238.79	5,195.3	-109.2	-180.3	182.1	0.00	0.00	0.00	
5,300.0	2.58	238.79	5,295.2	-111.6	-184.2	186.0	0.00	0.00	0.00	
5,400.0	2.58	238.79	5,395.1	-113.9	-188.1	189.9	0.00	0.00	0.00	
5,500.0	2.58	238.79	5,495.0	-116.3	-191.9	193.8	0.00	0.00	0.00	
5,600.0	2.58	238.79	5,594.9	-118.6	-195.8	197.7	0.00	0.00	0.00	
5,700.0	2.58	238.79	5,694.8	-120.9	-199.6	201.6	0.00	0.00	0.00	
5,800.0	2.58	238.79	5,794.7	-123.3	-203.5	205.5	0.00	0.00	0.00	
5,900.0	2.58	238.79	5,894.6	-125.6	-207.3	209.4	0.00	0.00	0.00	
6,000.0	2.58	238.79	5,994.5	-127.9	-211.2	213.3	0.00	0.00	0.00	
6,100.0	2.58	238.79	6,094.3	-130.3	-215.1	217.2	0.00	0.00	0.00	
6,200.0	2.58	238.79	6,194.2	-132.6	-218.9	221.1	0.00	0.00	0.00	
6,300.0	2.58	238.79	6,294.1	-134.9	-222.8	225.0	0.00	0.00	0.00	
6,400.0	2.58	238.79	6,394.0	-137.3	-226.6	228.9	0.00	0.00	0.00	
6,500.0	2.58	238.79	6,493.9	-139.6	-230.5	232.8	0.00	0.00	0.00	
6,600.0	2.58	238.79	6,593.8	-142.0	-234.3	236.6	0.00	0.00	0.00	
6,700.0	2.58	238.79	6,693.7	-144.3	-238.2	240.5	0.00	0.00	0.00	
6,800.0	2.58	238.79	6,793.6	-146.6	-242.1	244.4	0.00	0.00	0.00	
6,900.0	2.58	238.79	6,893.5	-149.0	-245.9	248.3	0.00	0.00	0.00	
7,000.0	2.58	238.79	6,993.4	-151.3	-249.8	252.2	0.00	0.00	0.00	
7,100.0	2.58	238.79	7,093.3	-153.6	-253.6	256.1	0.00	0.00	0.00	
7,200.0	2.58	238.79	7,193.2	-156.0	-257.5	260.0	0.00	0.00	0.00	
7,300.0	2.58	238.79	7,293.1	-158.3	-261.3	263.9	0.00	0.00	0.00	
7,400.0	2.58	238.79	7,393.0	-160.6	-265.2	267.8	0.00	0.00	0.00	
7,500.0	2.58	238.79	7,492.9	-163.0	-269.1	271.7	0.00	0.00	0.00	
7,600.0	2.58	238.79	7,592.8	-165.3	-272.9	275.6	0.00	0.00	0.00	
7,700.0	2.58	238.79	7,692.7	-167.7	-276.8	279.5	0.00	0.00	0.00	
7,800.0	2.58	238.79	7,792.6	-170.0	-280.6	283.4	0.00	0.00	0.00	
7,900.0	2.58	238.79	7,892.5	-172.3	-284.5	287.3	0.00	0.00	0.00	
8,000.0	2.58	238.79	7,992.4	-174.7	-288.3	291.2	0.00	0.00	0.00	
8,100.0	2.58	238.79	8,092.3	-177.0	-292.2	295.1	0.00	0.00	0.00	
8,200.0	2.58	238.79	8,192.2	-179.3	-296.1	299.0	0.00	0.00	0.00	
8,300.0	2.58	238.79	8,292.1	-181.7	-299.9	302.9	0.00	0.00	0.00	
8,400.0	2.58	238.79	8,392.0	-184.0	-303.8	306.8	0.00	0.00	0.00	
8,500.0	2.58	238.79	8,491.9	-186.3	-307.6	310.7	0.00	0.00	0.00	
8,600.0	2.58	238.79	8,591.8	-188.7	-311.5	314.6	0.00	0.00	0.00	
8,673.1	2.58	238.79	8,664.8	-190.4	-314.3	317.4	0.00	0.00	0.00	
8,700.0	2.05	238.79	8,691.7	-191.0	-315.2	318.3	2.00	-2.00	0.00	
8,802.3	0.00	0.00	8,794.0	-191.9	-316.8	319.9	2.00	-2.00	0.00	
KOP: 450' FNL & 243' FWL (Sec 10)										
8,850.0	4.77	270.08	8,841.6	-191.9	-318.8	321.9	10.00	10.00	0.00	
8,900.0	9.77	270.08	8,891.2	-191.9	-325.1	328.2	10.00	10.00	0.00	
8,950.0	14.77	270.08	8,940.1	-191.9	-335.7	338.8	10.00	10.00	0.00	
9,000.0	19.77	270.08	8,987.8	-191.9	-350.6	353.7	10.00	10.00	0.00	
9,050.0	24.77	270.08	9,034.0	-191.8	-369.5	372.6	10.00	10.00	0.00	
9,100.0	29.77	270.08	9,078.5	-191.8	-392.4	395.5	10.00	10.00	0.00	
9,150.0	34.76	270.08	9,120.7	-191.8	-419.1	422.2	10.00	10.00	0.00	
9,200.0	39.76	270.08	9,160.5	-191.7	-449.3	452.4	10.00	10.00	0.00	
9,250.0	44.76	270.08	9,197.5	-191.7	-483.0	486.1	10.00	10.00	0.00	
9,300.0	49.76	270.08	9,231.4	-191.6	-519.7	522.8	10.00	10.00	0.00	
9,350.0	54.76	270.08	9,262.0	-191.6	-559.2	562.3	10.00	10.00	0.00	
9,400.0	59.76	270.08	9,289.1	-191.5	-601.2	604.3	10.00	10.00	0.00	
9,450.0	64.76	270.08	9,312.3	-191.5	-645.5	648.6	10.00	10.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Sandlot 9/8 Fee #851H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3127.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3127.0usft (Original Well Elev)
Site:	Sandlot 9/8 Fee #851H	North Reference:	Grid
Well:	Sec 10, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 450' FNL & 330' FWL (Sec 8)		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,500.0	69.76	270.08	9,331.6	-191.4	-691.6	694.6	10.00	10.00	0.00
9,550.0	74.76	270.08	9,346.9	-191.3	-739.2	742.2	10.00	10.00	0.00
9,600.0	79.76	270.08	9,357.9	-191.3	-787.9	791.0	10.00	10.00	0.00
9,650.0	84.76	270.08	9,364.6	-191.2	-837.5	840.5	10.00	10.00	0.00
9,700.0	89.76	270.08	9,367.0	-191.1	-887.4	890.4	10.00	10.00	0.00
9,702.4	89.99	270.08	9,367.0	-191.1	-889.8	892.8	10.00	10.00	0.00
FTP: 450' FNL & 330' FEL (Sec 9)									
9,708.2	90.58	270.08	9,367.0	-191.1	-895.6	898.6	10.00	10.00	0.00
9,800.0	90.58	270.08	9,366.1	-191.0	-987.4	990.4	0.00	0.00	0.00
9,900.0	90.58	270.08	9,365.1	-190.9	-1,087.4	1,090.4	0.00	0.00	0.00
10,000.0	90.58	270.08	9,364.1	-190.8	-1,187.4	1,190.4	0.00	0.00	0.00
10,100.0	90.58	270.08	9,363.1	-190.6	-1,287.4	1,290.3	0.00	0.00	0.00
10,200.0	90.58	270.08	9,362.0	-190.5	-1,387.4	1,390.3	0.00	0.00	0.00
10,300.0	90.58	270.08	9,361.0	-190.4	-1,487.4	1,490.3	0.00	0.00	0.00
10,400.0	90.58	270.08	9,360.0	-190.2	-1,587.4	1,590.3	0.00	0.00	0.00
10,500.0	90.58	270.08	9,359.0	-190.1	-1,687.4	1,690.3	0.00	0.00	0.00
10,600.0	90.58	270.08	9,358.0	-190.0	-1,787.4	1,790.2	0.00	0.00	0.00
10,700.0	90.58	270.08	9,357.0	-189.8	-1,887.4	1,890.2	0.00	0.00	0.00
10,800.0	90.58	270.08	9,356.0	-189.7	-1,987.3	1,990.2	0.00	0.00	0.00
10,900.0	90.58	270.08	9,355.0	-189.6	-2,087.3	2,090.2	0.00	0.00	0.00
11,000.0	90.58	270.08	9,354.0	-189.4	-2,187.3	2,190.2	0.00	0.00	0.00
11,100.0	90.58	270.08	9,353.0	-189.3	-2,287.3	2,290.1	0.00	0.00	0.00
11,200.0	90.58	270.08	9,352.0	-189.2	-2,387.3	2,390.1	0.00	0.00	0.00
11,300.0	90.58	270.08	9,351.0	-189.0	-2,487.3	2,490.1	0.00	0.00	0.00
11,400.0	90.58	270.08	9,349.9	-188.9	-2,587.3	2,590.1	0.00	0.00	0.00
11,500.0	90.58	270.08	9,348.9	-188.8	-2,687.3	2,690.1	0.00	0.00	0.00
11,600.0	90.58	270.08	9,347.9	-188.7	-2,787.3	2,790.0	0.00	0.00	0.00
11,700.0	90.58	270.08	9,346.9	-188.5	-2,887.3	2,890.0	0.00	0.00	0.00
11,800.0	90.58	270.08	9,345.9	-188.4	-2,987.3	2,990.0	0.00	0.00	0.00
11,900.0	90.58	270.08	9,344.9	-188.3	-3,087.3	3,090.0	0.00	0.00	0.00
12,000.0	90.58	270.08	9,343.9	-188.1	-3,187.3	3,190.0	0.00	0.00	0.00
12,100.0	90.58	270.08	9,342.9	-188.0	-3,287.3	3,289.9	0.00	0.00	0.00
12,200.0	90.58	270.08	9,341.9	-187.9	-3,387.3	3,389.9	0.00	0.00	0.00
12,300.0	90.58	270.08	9,340.9	-187.7	-3,487.3	3,489.9	0.00	0.00	0.00
12,400.0	90.58	270.08	9,339.9	-187.6	-3,587.3	3,589.9	0.00	0.00	0.00
12,500.0	90.58	270.08	9,338.9	-187.5	-3,687.3	3,689.8	0.00	0.00	0.00
12,600.0	90.58	270.08	9,337.8	-187.3	-3,787.3	3,789.8	0.00	0.00	0.00
12,700.0	90.58	270.08	9,336.8	-187.2	-3,887.2	3,889.8	0.00	0.00	0.00
12,800.0	90.58	270.08	9,335.8	-187.1	-3,987.2	3,989.8	0.00	0.00	0.00
12,900.0	90.58	270.08	9,334.8	-186.9	-4,087.2	4,089.8	0.00	0.00	0.00
13,000.0	90.58	270.08	9,333.8	-186.8	-4,187.2	4,189.7	0.00	0.00	0.00
13,100.0	90.58	270.08	9,332.8	-186.7	-4,287.2	4,289.7	0.00	0.00	0.00
13,200.0	90.58	270.08	9,331.8	-186.5	-4,387.2	4,389.7	0.00	0.00	0.00
13,300.0	90.58	270.08	9,330.8	-186.4	-4,487.2	4,489.7	0.00	0.00	0.00
13,400.0	90.58	270.08	9,329.8	-186.3	-4,587.2	4,589.7	0.00	0.00	0.00
13,500.0	90.58	270.08	9,328.8	-186.2	-4,687.2	4,689.6	0.00	0.00	0.00
13,600.0	90.58	270.08	9,327.8	-186.0	-4,787.2	4,789.6	0.00	0.00	0.00
13,700.0	90.58	270.08	9,326.8	-185.9	-4,887.2	4,889.6	0.00	0.00	0.00
13,800.0	90.58	270.08	9,325.8	-185.8	-4,987.2	4,989.6	0.00	0.00	0.00
13,900.0	90.58	270.08	9,324.7	-185.6	-5,087.2	5,089.6	0.00	0.00	0.00
14,000.0	90.58	270.08	9,323.7	-185.5	-5,187.2	5,189.5	0.00	0.00	0.00
14,100.0	90.58	270.08	9,322.7	-185.4	-5,287.2	5,289.5	0.00	0.00	0.00
14,200.0	90.58	270.08	9,321.7	-185.2	-5,387.2	5,389.5	0.00	0.00	0.00
14,300.0	90.58	270.08	9,320.7	-185.1	-5,487.2	5,489.5	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Sandlot 9/8 Fee #851H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3127.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3127.0usft (Original Well Elev)
Site:	Sandlot 9/8 Fee #851H	North Reference:	Grid
Well:	Sec 10, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 450' FNL & 330' FWL (Sec 8)		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,400.0	90.58	270.08	9,319.7	-185.0	-5,587.2	5,589.5	0.00	0.00	0.00	
14,500.0	90.58	270.08	9,318.7	-184.8	-5,687.2	5,689.4	0.00	0.00	0.00	
14,600.0	90.58	270.08	9,317.7	-184.7	-5,787.2	5,789.4	0.00	0.00	0.00	
14,700.0	90.58	270.08	9,316.7	-184.6	-5,887.1	5,889.4	0.00	0.00	0.00	
14,800.0	90.58	270.08	9,315.7	-184.4	-5,987.1	5,989.4	0.00	0.00	0.00	
14,900.0	90.58	270.08	9,314.7	-184.3	-6,087.1	6,089.3	0.00	0.00	0.00	
15,000.0	90.58	270.08	9,313.7	-184.2	-6,187.1	6,189.3	0.00	0.00	0.00	
15,100.0	90.58	270.08	9,312.6	-184.1	-6,287.1	6,289.3	0.00	0.00	0.00	
15,200.0	90.58	270.08	9,311.6	-183.9	-6,387.1	6,389.3	0.00	0.00	0.00	
15,300.0	90.58	270.08	9,310.6	-183.8	-6,487.1	6,489.3	0.00	0.00	0.00	
15,400.0	90.58	270.08	9,309.6	-183.7	-6,587.1	6,589.2	0.00	0.00	0.00	
15,500.0	90.58	270.08	9,308.6	-183.5	-6,687.1	6,689.2	0.00	0.00	0.00	
15,600.0	90.58	270.08	9,307.6	-183.4	-6,787.1	6,789.2	0.00	0.00	0.00	
15,700.0	90.58	270.08	9,306.6	-183.3	-6,887.1	6,889.2	0.00	0.00	0.00	
15,800.0	90.58	270.08	9,305.6	-183.1	-6,987.1	6,989.2	0.00	0.00	0.00	
15,900.0	90.58	270.08	9,304.6	-183.0	-7,087.1	7,089.1	0.00	0.00	0.00	
16,000.0	90.58	270.08	9,303.6	-182.9	-7,187.1	7,189.1	0.00	0.00	0.00	
16,100.0	90.58	270.08	9,302.6	-182.7	-7,287.1	7,289.1	0.00	0.00	0.00	
16,200.0	90.58	270.08	9,301.6	-182.6	-7,387.1	7,389.1	0.00	0.00	0.00	
16,300.0	90.58	270.08	9,300.5	-182.5	-7,487.1	7,489.1	0.00	0.00	0.00	
16,400.0	90.58	270.08	9,299.5	-182.3	-7,587.1	7,589.0	0.00	0.00	0.00	
16,500.0	90.58	270.08	9,298.5	-182.2	-7,687.1	7,689.0	0.00	0.00	0.00	
16,600.0	90.58	270.08	9,297.5	-182.1	-7,787.0	7,789.0	0.00	0.00	0.00	
16,700.0	90.58	270.08	9,296.5	-181.9	-7,887.0	7,889.0	0.00	0.00	0.00	
16,800.0	90.58	270.08	9,295.5	-181.8	-7,987.0	7,988.9	0.00	0.00	0.00	
16,900.0	90.58	270.08	9,294.5	-181.7	-8,087.0	8,088.9	0.00	0.00	0.00	
17,000.0	90.58	270.08	9,293.5	-181.6	-8,187.0	8,188.9	0.00	0.00	0.00	
17,100.0	90.58	270.08	9,292.5	-181.4	-8,287.0	8,288.9	0.00	0.00	0.00	
17,200.0	90.58	270.08	9,291.5	-181.3	-8,387.0	8,388.9	0.00	0.00	0.00	
17,300.0	90.58	270.08	9,290.5	-181.2	-8,487.0	8,488.8	0.00	0.00	0.00	
17,400.0	90.58	270.08	9,289.5	-181.0	-8,587.0	8,588.8	0.00	0.00	0.00	
17,500.0	90.58	270.08	9,288.5	-180.9	-8,687.0	8,688.8	0.00	0.00	0.00	
17,600.0	90.58	270.08	9,287.4	-180.8	-8,787.0	8,788.8	0.00	0.00	0.00	
17,700.0	90.58	270.08	9,286.4	-180.6	-8,887.0	8,888.8	0.00	0.00	0.00	
17,800.0	90.58	270.08	9,285.4	-180.5	-8,987.0	8,988.7	0.00	0.00	0.00	
17,900.0	90.58	270.08	9,284.4	-180.4	-9,087.0	9,088.7	0.00	0.00	0.00	
18,000.0	90.58	270.08	9,283.4	-180.2	-9,187.0	9,188.7	0.00	0.00	0.00	
18,100.0	90.58	270.08	9,282.4	-180.1	-9,287.0	9,288.7	0.00	0.00	0.00	
18,200.0	90.58	270.08	9,281.4	-180.0	-9,387.0	9,388.7	0.00	0.00	0.00	
18,300.0	90.58	270.08	9,280.4	-179.8	-9,487.0	9,488.6	0.00	0.00	0.00	
18,400.0	90.58	270.08	9,279.4	-179.7	-9,587.0	9,588.6	0.00	0.00	0.00	
18,500.0	90.58	270.08	9,278.4	-179.6	-9,686.9	9,688.6	0.00	0.00	0.00	
18,600.0	90.58	270.08	9,277.4	-179.5	-9,786.9	9,788.6	0.00	0.00	0.00	
18,700.0	90.58	270.08	9,276.4	-179.3	-9,886.9	9,888.6	0.00	0.00	0.00	
18,800.0	90.58	270.08	9,275.3	-179.2	-9,986.9	9,988.5	0.00	0.00	0.00	
18,900.0	90.58	270.08	9,274.3	-179.1	-10,086.9	10,088.5	0.00	0.00	0.00	
19,000.0	90.58	270.08	9,273.3	-178.9	-10,186.9	10,188.5	0.00	0.00	0.00	
19,100.0	90.58	270.08	9,272.3	-178.8	-10,286.9	10,288.5	0.00	0.00	0.00	
19,200.0	90.58	270.08	9,271.3	-178.7	-10,386.9	10,388.4	0.00	0.00	0.00	
19,300.0	90.58	270.08	9,270.3	-178.5	-10,486.9	10,488.4	0.00	0.00	0.00	
19,400.0	90.58	270.08	9,269.3	-178.4	-10,586.9	10,588.4	0.00	0.00	0.00	
19,500.0	90.58	270.08	9,268.3	-178.3	-10,686.9	10,688.4	0.00	0.00	0.00	
19,600.0	90.58	270.08	9,267.3	-178.1	-10,786.9	10,788.4	0.00	0.00	0.00	
19,628.1	90.58	270.08	9,267.0	-178.1	-10,815.0	10,816.5	0.00	0.00	0.00	

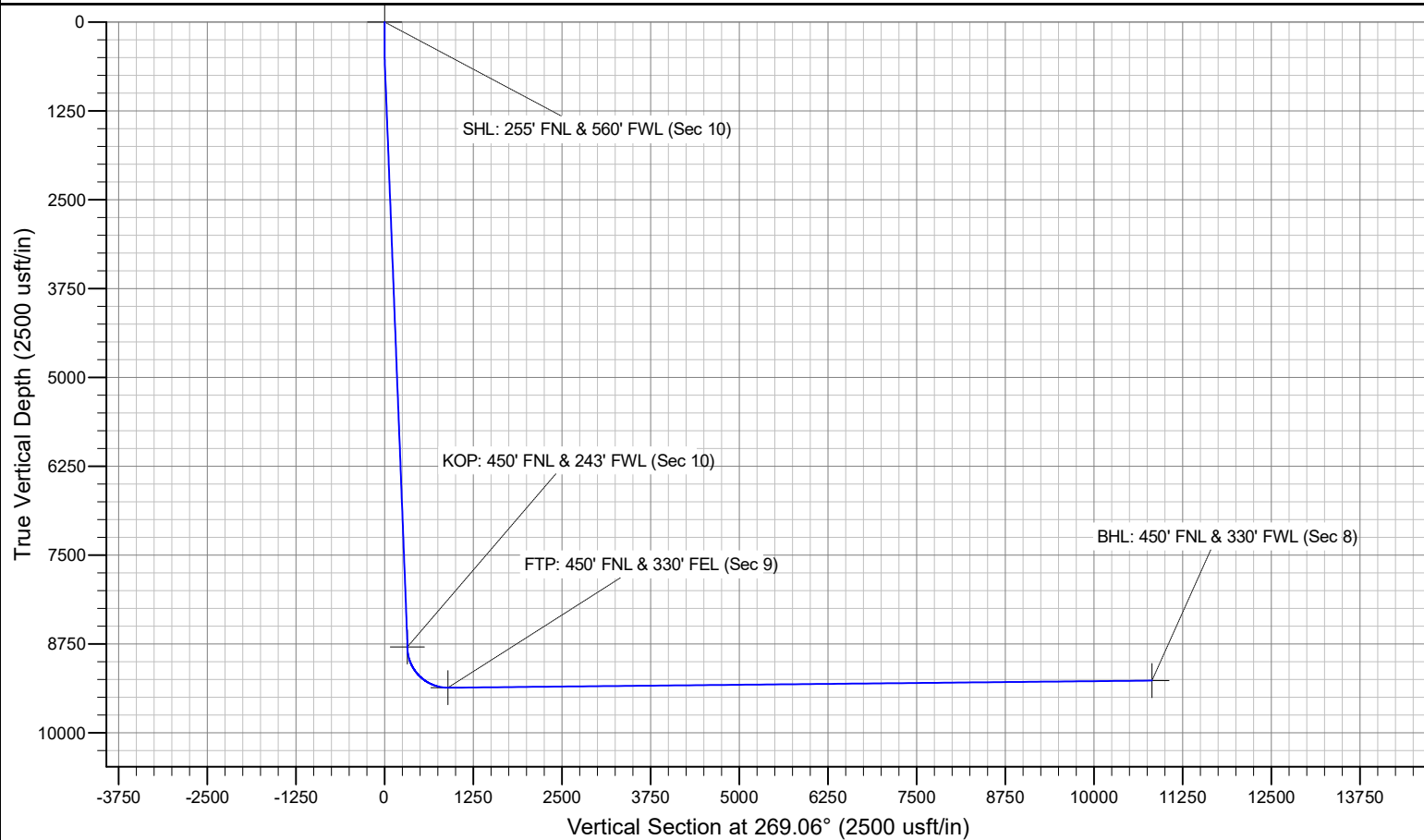
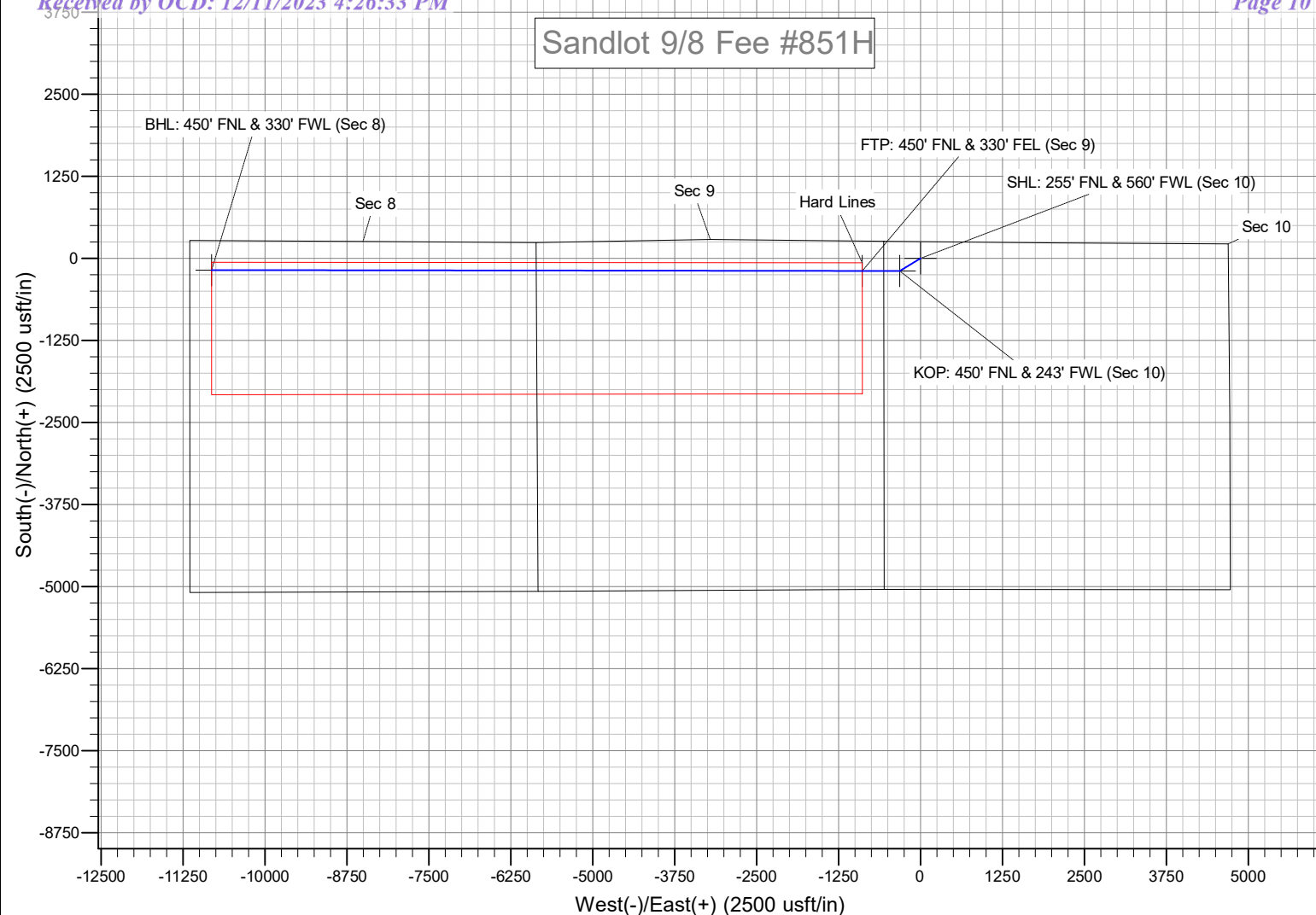
Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Sandlot 9/8 Fee #851H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3127.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3127.0usft (Original Well Elev)
Site:	Sandlot 9/8 Fee #851H	North Reference:	Grid
Well:	Sec 10, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 450' FNL & 330' FWL (Sec 8)		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
BHL: 450' FNL & 330' FWL (Sec 8)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
SHL: 255' FNL & 560' FV - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	514,384.20	587,393.70	32.4140209	-104.1840847
KOP: 450' FNL & 243' FV - plan hits target center - Point	0.00	0.00	8,794.0	-191.9	-316.8	514,192.30	587,076.90	32.4134946	-104.1851122
BHL: 450' FNL & 330' FV - plan hits target center - Point	0.00	0.00	9,267.0	-178.1	-10,815.0	514,206.10	576,578.70	32.4135680	-104.2191321
FTP: 450' FNL & 330' FE - plan hits target center - Point	0.00	0.00	9,367.0	-191.1	-889.8	514,193.05	586,503.93	32.4134989	-104.1869690

Sandlot 9/8 Fee #851H





Mewbourne Oil Co.

BOP Break Testing Variance

Mewbourne Oil Company requests a variance from the minimum standards for well control equipment testing of 43 CFR 3172 to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with batch drilling & offline cementing operations. Modern rig upgrades which facilitate pad drilling allow the BOP stack to be moved between wells on a multi-well pad without breaking any BOP stack components apart. Widespread use of these technologies has led to break testing BOPE being endorsed as safe and reliable. American Petroleum Institute (API) best practices are frequently used by regulators to develop their regulations. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (5th Ed., Dec. 2018) Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component."

Procedures

1. Full BOPE test at first installation on the pad.
 - Full BOPE test at least every 21 days.
 - Function test BOP elements per 43 CFR 3172.
 - Contact the BLM if a well control event occurs.
2. After the well section is secured and the well is confirmed to be static, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad. Two breaks on the BOPE will be made (Fig. 1).
 - Connection between the flex line and the HCR valve
 - Connection between the wellhead and the BOP quick connect (Fig. 5 & 6).
3. A capping flange will be installed after cementing per wellhead vendor procedure & casing pressure will be monitored via wellhead valve.
4. The BOP will be removed and carried by a hydraulic carrier (Fig. 3 & 4).
5. The rig will then walk to the next well.
6. Confirm that the well is static and remove the capping flange.
7. The connection between the flex line and HCR valve and the connection between the wellhead and the BOP quick connect will be reconnected.
8. Install a test plug into the wellhead.
9. A test will then be conducted against the upper pipe rams and choke, testing both breaks (Fig. 1 & 2).
10. The test will be held at 250 psi low and to the high value submitted in the APD, not to exceed 5000 psi.
11. The annular, blind rams and lower pipe rams will then be function tested.
12. If a pad consists of three or more wells, steps 4 through 11 will be repeated.



13. A break test will only be conducted if the intermediate section can be drilled and cased within 21 days of the last full BOPE test.

Barriers

Before Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff

After Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff
- Offline cementing tool and/or cement head
- Capping flange after cementing

Summary

A variance is requested to only test broken pressure seals on the BOPE when moving between wells on a multi-well pad if the following conditions are met:

- A full BOPE test is conducted on the first well on the pad. API Standard 53 requires testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater.
- If the first well on the pad is not the well with the deepest intermediate section, a full BOPE test will also be performed when moving to a deeper well.
- The hole section being drilled has a MASP under 5000 psi.
- If a well control event occurs, Mewbourne will contact BLM for permission to continue break testing.
- If significant (>50%) losses occur, full BOPE testing will be required going forward.
- Full BOPE test will be required prior to drilling the production hole.

While walking the rig, the BOP stack will be secured via hydraulic winch or hydraulic carrier. A full BOPE test will be performed at least every 21 days.

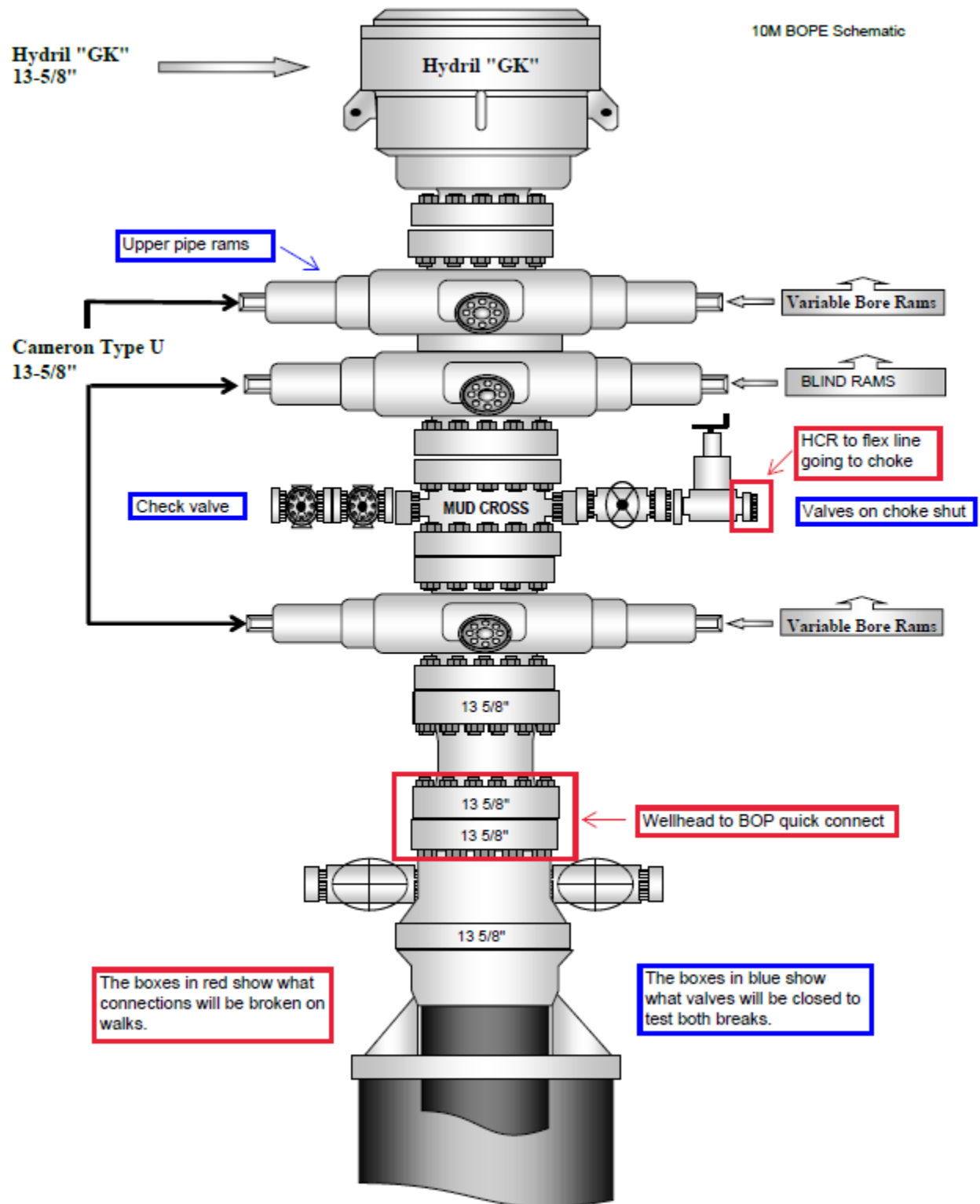


Figure 1. BOP diagram



5M BOPE & Closed Loop Equipment Schematic

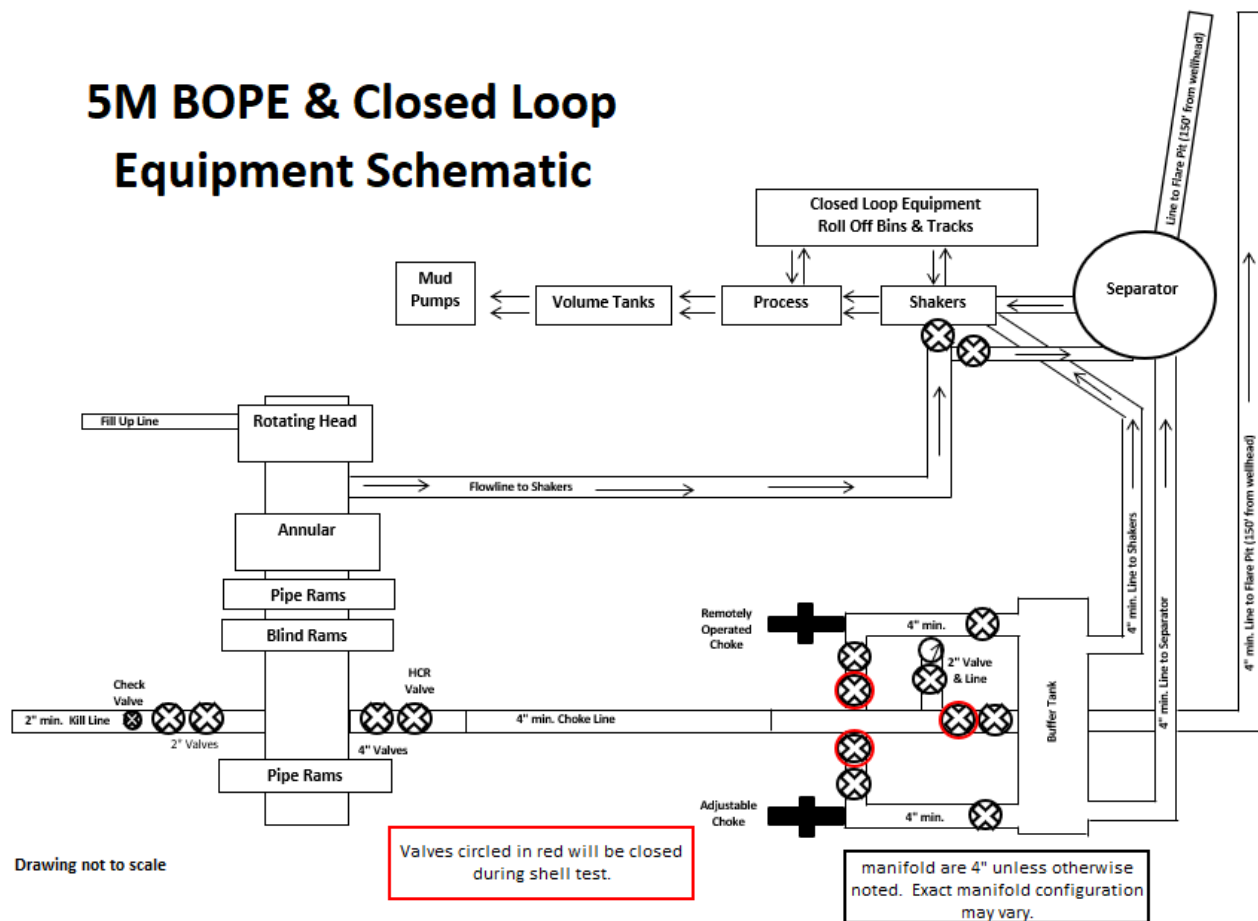


Figure 2. BOPE diagram



Figure 3. BOP handling system



Figure 4. BOP handling system

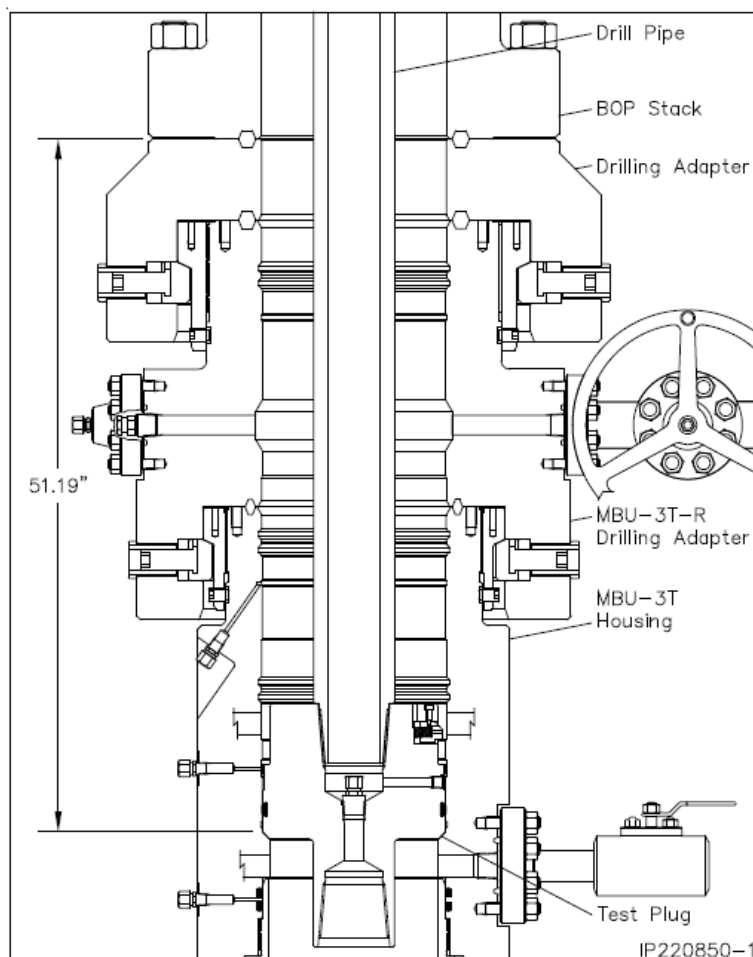


Figure 5. Cactus 5M wellhead with BOP quick connect

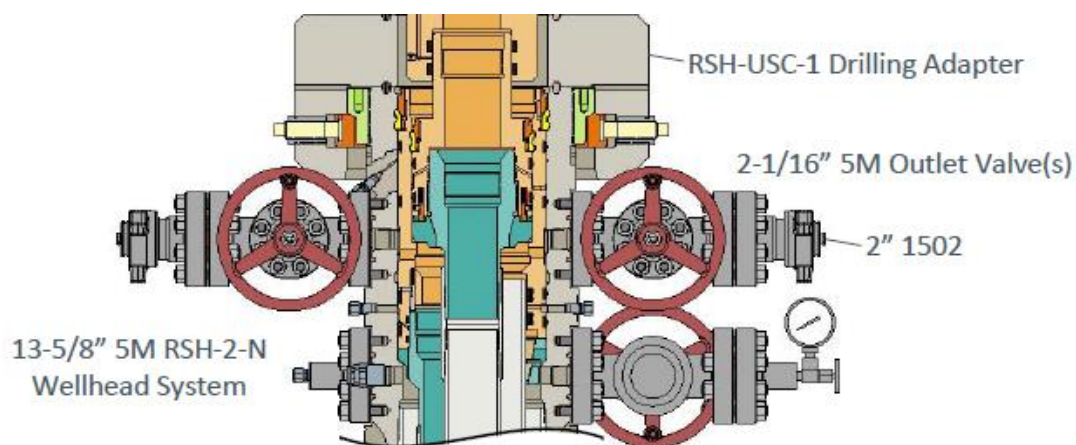


Figure 6. Vault 5M wellhead with BOP quick connect



Mewbourne Oil Co.

Surface & Intermediate Offline Cementing Variance

Mewbourne Oil Company requests a variance to perform offline cementing for surface and intermediate casing strings with the following conditions:

- Offline cementing will not be performed on production casing.
- Offline cementing will not be performed on a hole section with MASP > 5000 psi.
- Offline cementing will not be performed concurrently with offset drilling.

Surface Casing Order of Operations:

1. Run 13 3/8" surface casing as per normal operations (TPGS and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Confirm well is static.
4. Make up 13 5/8" wellhead or wellhead landing ring assembly and land on 20" conductor.
5. Fill pipe, circulate casing capacity and confirm float(s) are still holding.
6. Confirm well is static.
7. Back out landing joint and pull to rig floor. Lay down landing joint.
8. Walk rig to next well on pad with cement crew standing by to rig up.
9. Make up offline cement tool with forklift per wellhead manufacturer (Fig. 1 & 2).
10. Make up cement head on top of offline cement tool with forklift.
11. Commence cement operations.
12. If cement circulates, confirm well is static and proceed to step 16.
13. If cement does not circulate, notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
14. Use 1" pipe for remedial cement job until the surface casing is cemented to surface.
15. Confirm well is static.
16. Once cement job is complete, the cement head and offline cementing tool are removed. The wellhead technician returns to cellar to install wellhead/valves.
17. Install wellhead capping flange.

Barriers

Before Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus

**After Walk:**

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Offline cementing tool tested to 5000 psi and cement head
- Capping flange after cementing

20" Surface Casing Order of Operations (4 string area):

1. Run 20" surface casing as per normal operations (TPGS and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Fill pipe, circulate casing capacity and confirm float(s) are still holding.
4. Confirm well is static.
5. Back out landing joint and pull to rig floor. Lay down landing joint.
6. Make up cement head.
7. Walk rig to next well on pad with cement crew standing by to rig up.
8. Commence cement operations.
9. If cement circulates, confirm well is static and proceed to step 13.
10. If cement does not circulate, notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
11. Use 1" pipe for remedial cement job until the surface casing is cemented to surface.
12. Confirm well is static.
13. Once cement job is complete, remove cement head and install cap.

Barriers**Before Walk:**

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Cement Head

After Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Cement head
- Capping flange after cementing



Intermediate Casing Order of Operations:

1. Run casing as per normal operations (float shoe and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Confirm well is static (if running SBM).
4. Land casing.
5. Fill pipe, circulate casing capacity and confirm floats are still holding.
6. Confirm well is static.
7. Back out landing joint and pull to rig floor. Lay down landing joint. Install packoff & test.
8. Nipple down BOP.
9. Walk rig to next well on pad with cement crew standing by to rig up.
10. Make up offline cement tool using forklift per wellhead manufacturer (Fig. 3 - 8).
11. Make up cement head on top of offline cement tool.
12. Commence cement operations.
13. If cement circulates, confirm well is static and proceed to step 16.
14. If cement does not circulate (when required), notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
15. Pump remedial cement job if required.
16. Confirm well is static.
17. Remove cement head and offline cementing tool.
18. Install wellhead capping flange and test.

Barriers

Before Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff

After Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff
- Offline cementing tool tested to 5000 psi and cement head
- Capping flange after cementing

**Risks:**

- Pressure build up in annulus before cementing
 - Contact BLM if a well control event occurs.
 - Rig up 3rd party pump or rig pumps to pump down casing and kill well.
 - Returns will be taken through the wellhead valves to a choke manifold (Fig 9 & 10).
 - Well could also be killed through the wellhead valves down the annulus.

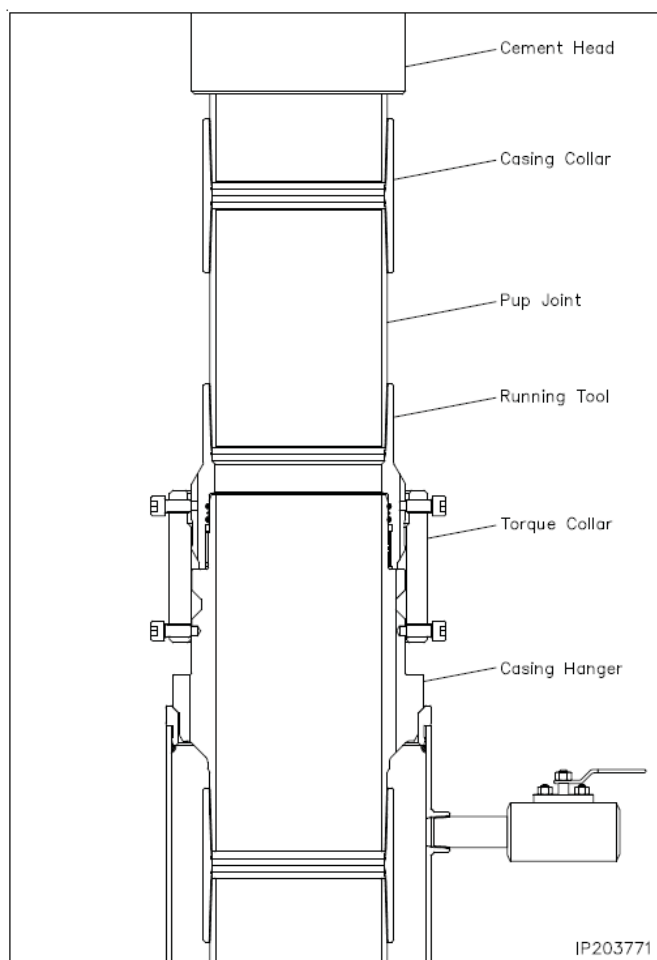


Figure 1. Cactus 13 3/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 13 3/8" pup joint and casing.

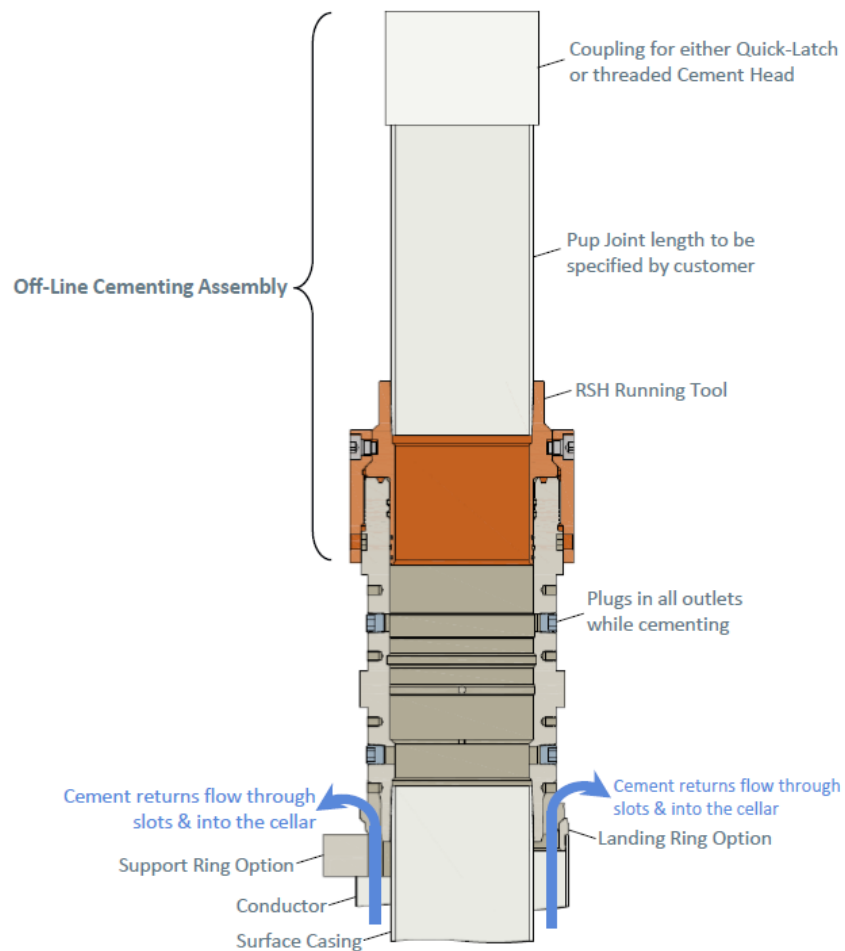


Figure 2. Vault 13 3/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 13 3/8" pup joint and casing.

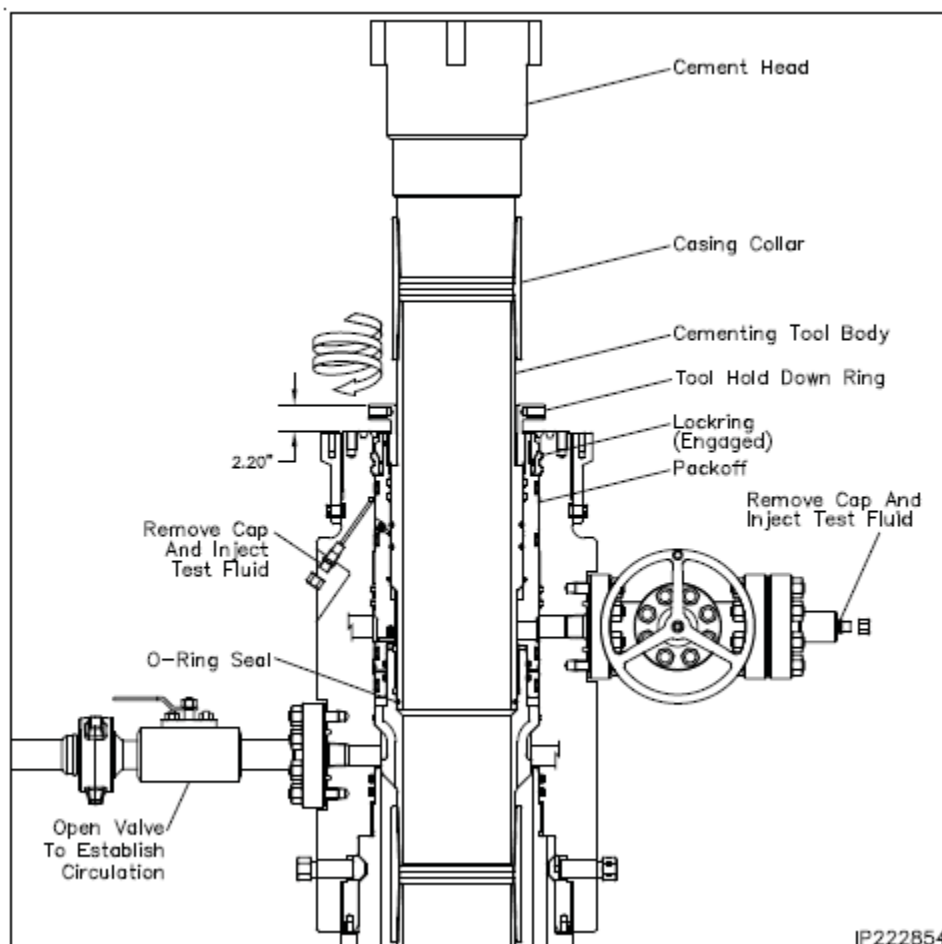


Figure 3. Cactus 9 5/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 9 5/8" pup joint and casing.

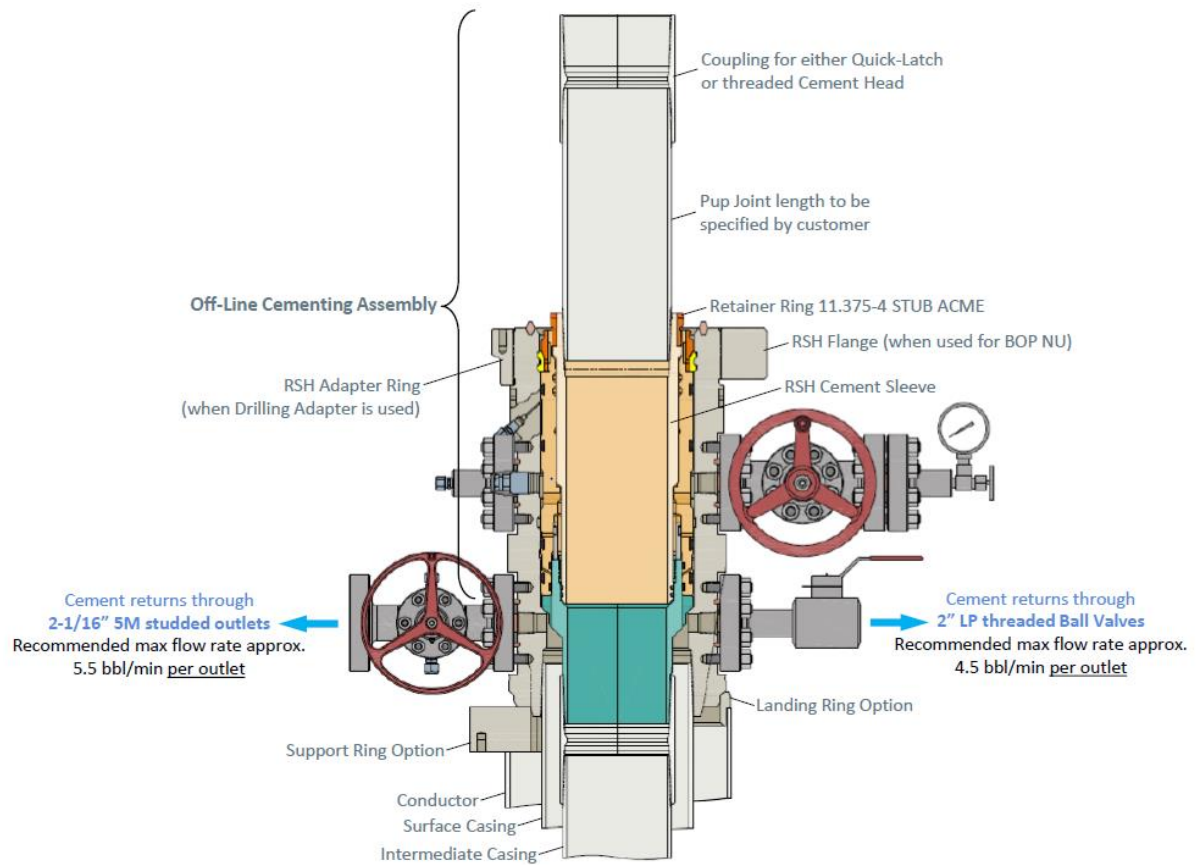


Figure 4. Vault 9 5/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 9 5/8" pup joint and casing.

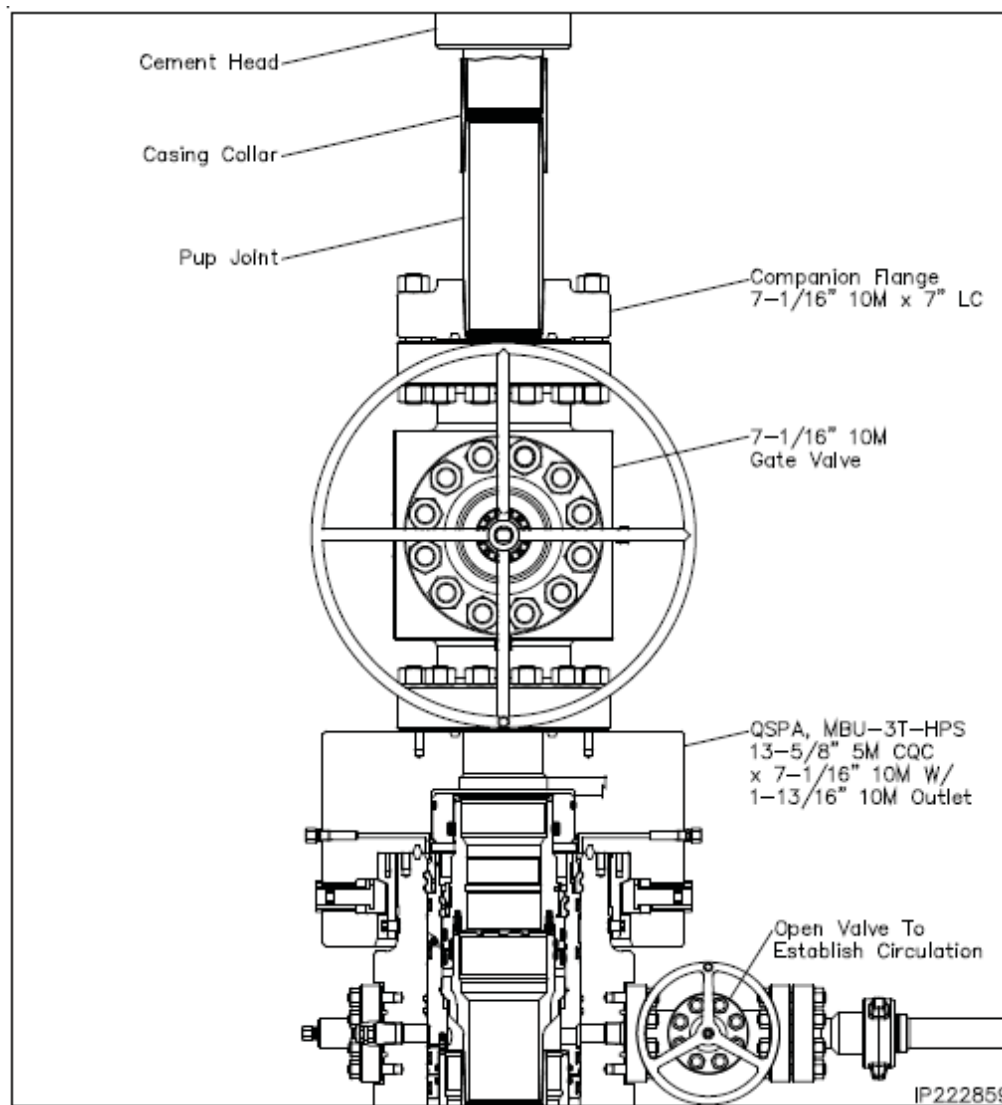


Figure 5. Cactus 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

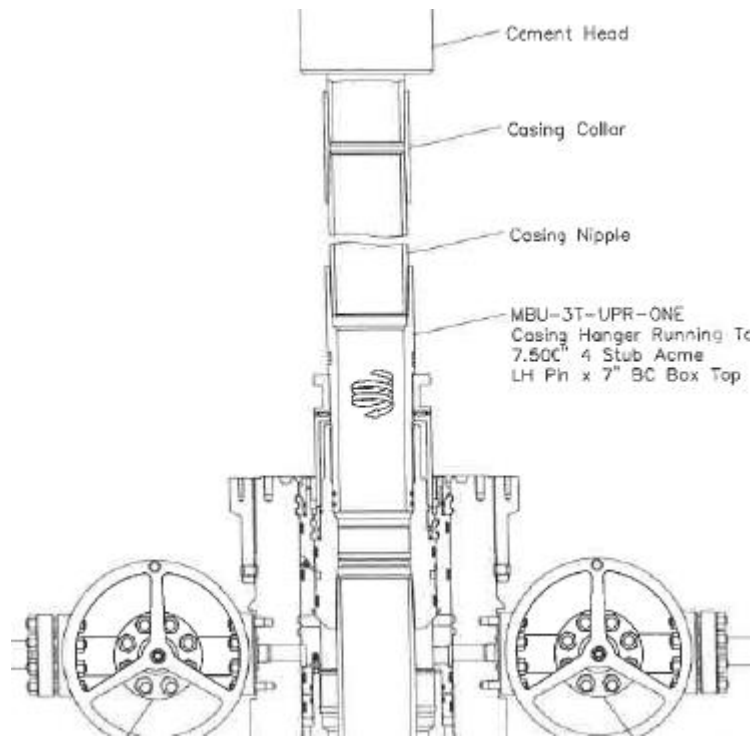


Figure 6. Cactus 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

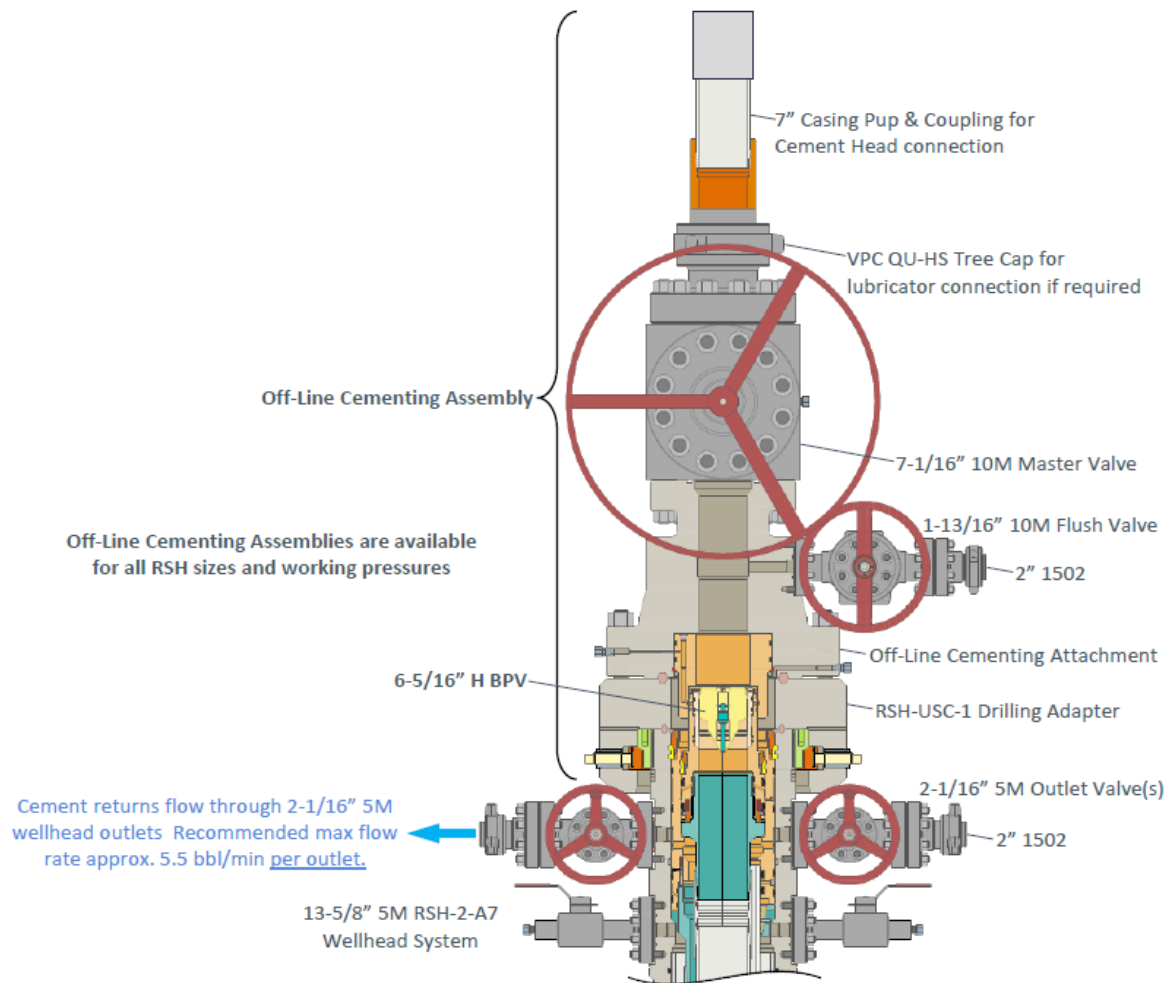


Figure 7. Vault 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

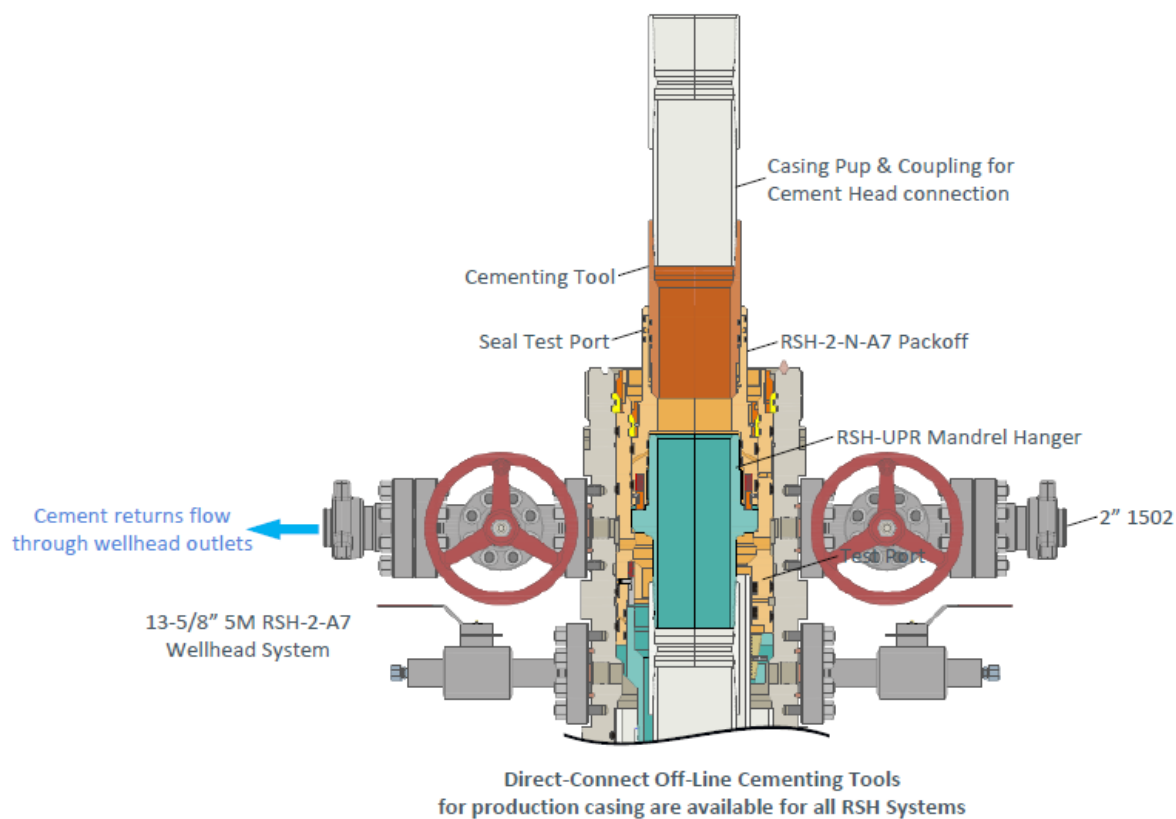


Figure 8. Vault 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

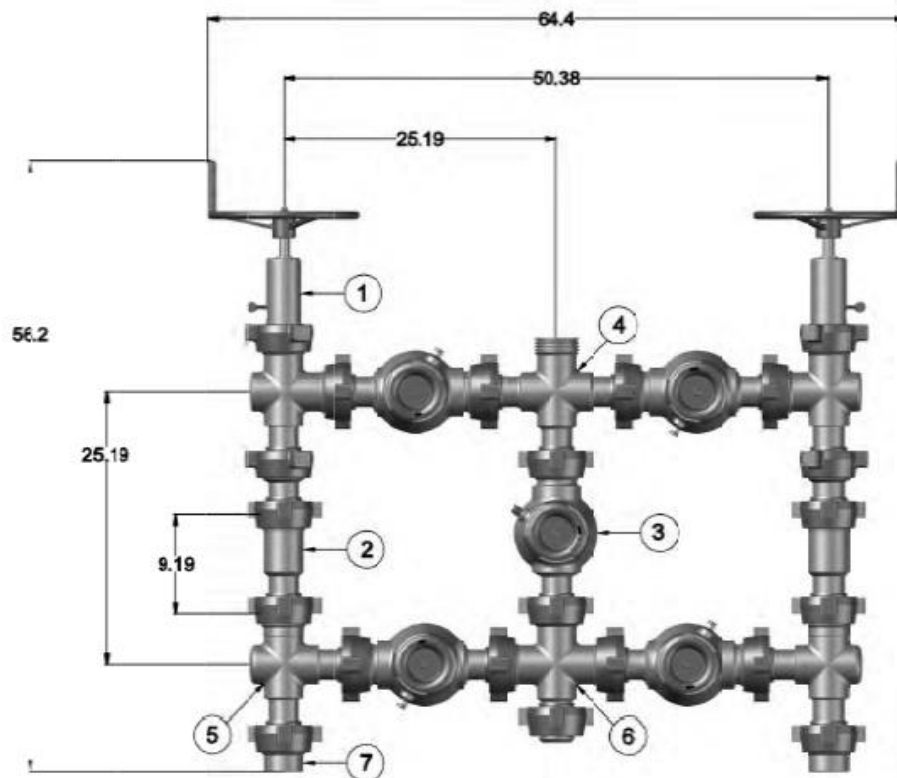


Figure 9. Five valve 15k choke manifold.

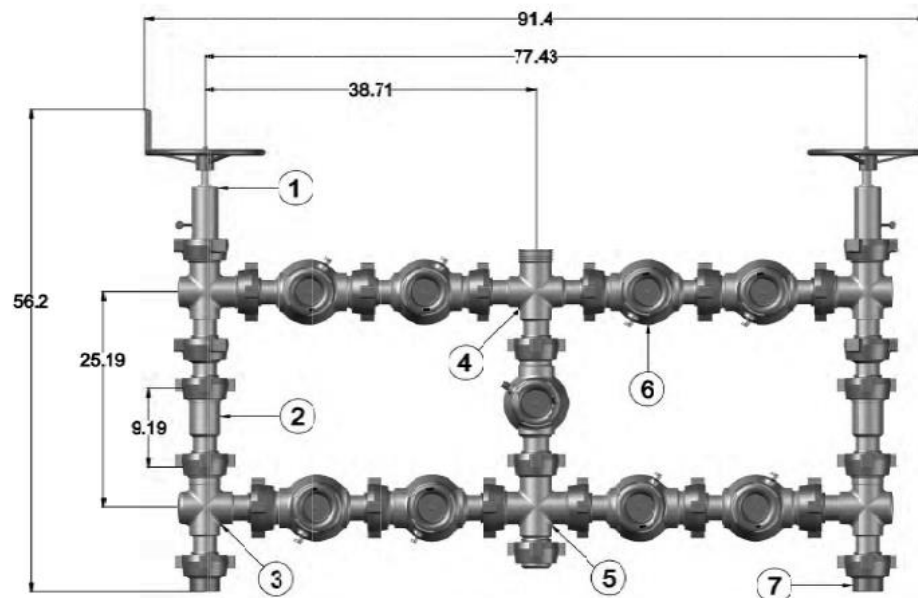


Figure 10. Nine valve 15k choke manifold.

Mewbourne Oil Company, Sandlot 9/8 Fee #851H**Sec 10, T22S, R27E****SHL: 255' FNL 560' FWL (Sec 10)****BHL: 450' FNL 330' FWL (Sec 8)**

Operator Name:	Property Name:	Well Number
Mewbourne Oil Company	Sandlot 9/8 Fee	851H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	10	22S	27E	-	450'	FNL	243'	FWL	Eddy
Latitude					Longitude			NAD	
32.4134946					-104.1851122			83	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	9	22S	27E	-	450'	FNL	330'	FEL	Eddy
Latitude					Longitude			NAD	
32.4134989					-104.1869690			83	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	8	22S	27E	-	450'	FNL	330'	FWL	Eddy
Latitude					Longitude			NAD	
32.413568					-104.2191321			83	

Is this well the defining well for the Horizontal Spacing Unit?

Y

Is this well an infill well?

N

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

Mewbourne Oil Company								
Sandlot 9/8 Fee #851H								
SHL: 255' FNL & 560' FWL (Sec 10)								
BHL: 450' FNL & 330' FWL (Sec 8)								
Casing Type	Fluid Type	Hole Size	Casing Description	Casing Weight	Top MD	Setting Depth	Sacks Cement	Top of Cement
Surface	Fresh Water	17.5"	13.375" 48# H40 STC	48#	0'	410'	350	0'
Intermediate	Brine	12.25"	9.625" 36# J55 LTC	36#	0'	1775'	400	0'
Production	Cut-Brine	8.75"	7" 26# P110 LTC	26#	0'	9500'	880	1575'
Liner	OBM	6.125"	4.5" 13.5# P110 LTC	13.5#	9300'	19628'	660	9300'

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 293290

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 293290
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply.	12/13/2023