

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 August 1, 2011

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.)		WELL API NO. 30-015-40921
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Mewbourne Oil Company		6. State Oil & Gas Lease No.
3. Address of Operator PO Box 5270, Hobbs, NM 88240		7. Lease Name or Unit Agreement Name Black Lake 5 OB State Com
4. Well Location Unit Letter <u>O</u> : <u>150</u> feet from the <u>South</u> line and <u>1980</u> feet from the <u>East</u> line Section <u>5</u> Township <u>25S</u> Range <u>28E</u> NMPM County <u>Eddy</u>		8. Well Number <u>1H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2968' GL		9. OGRID Number <u>14744</u>
		10. Pool name or Wildcat: WC-015 S252815D; Wolfcamp (Gas)

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 ☐

OTHER: ☐

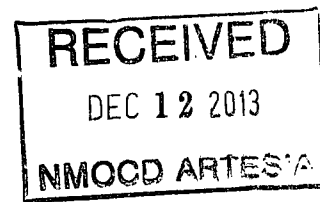
SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

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 has an approved APD for the above well. MOC would like to change from a Wolfcamp well to a 2nd Bone Spring Sand. This will be in the Willow Lake Bone Spring (64450) formation. MD will be 12600'. See attached C-102 and casing design.



Spud Date:

Rig Release Date:

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

SIGNATURE Bradley Bishop TITLE Hobbs Regulatory DATE 12-10-2013

Type or print name Bradley Bishop E-mail address: bishop@mewbourne.com PHONE: 575-393-5905

For State Use Only

APPROVED BY: T. C. Shepard TITLE "Geologist" DATE 12/12/2013

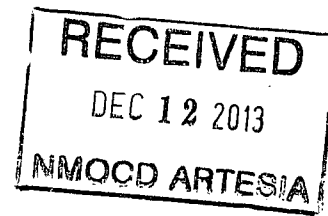
Conditions of Approval (if any):

Casing	Hole Size	Csg. Size	Grade	Weight	Setting Depth	Sks. Cmt	TOC	Fluid
Surface	17.5	13.375	48	H-40	800	650	0	FW
Int. 1	12.25	9.625	36	J-55	2350	550	0	BW
Int. 2	8.75	7	26	P110	8300	900	0	Cut Brine
Prod.	6.125	4.5	13.5	P110	12600	0	0	BW

MOC proposes to drill & test the Bone Spring formation. H2S rule 118 does not apply. MOC has researched this area & no high concentrations were found. Will have on location & working all H2S safety equipment before drilling the surface csg shoe for safety & insurance purposes. If commercial, 4 ½ liner will be run & will use pkr port system (no cmt) in the lateral hole. Will stimulate as needed for production.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	1500	Schaffer
Double Ram	3000	3000	Schaffer
Annular	3000	1500	Schaffer



Mewbourne Oil Co

Eddy County, New Mexico (Nad 83)

Sec 5, T25S, R28E

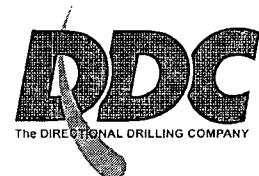
Black Lake 5 OB State Com #1H

Wellbore #1

Plan: Design #1

DDC Well Planning Report

17 October, 2013



DDC
Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Black Lake 5 OB State Com #1H
Company:	Mewbourne Oil Co.	TVD Reference:	WELL @ 3024.0usft (Patterson #187)
Project:	Eddy County, New Mexico (Nad 83)	MD Reference:	WELL @ 3024.0usft (Patterson #187)
Site:	Sec 5, T25S, R28E	North Reference:	Grid
Well:	Black Lake 5 OB State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Eddy County, New Mexico (Nad 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 5, T25S, R28E		
Site Position:	Map	Northing:	419,223.80 usft
From:		Easting:	612,877.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 9' 8.329 N
		Longitude:	104° 6' 7.809 W
		Grid Convergence:	0.12 °

Well	Black Lake 5 OB State Com #1H		
Well Position	+N/-S	88.0 usft	Northing:
	+E/-W	-1,649.6 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level:
			3,004.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	10/17/2013	7.54
			Dip Angle
			(°)
			59.97
			Field Strength
			(nT)
			48,284

Design	Design #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			0.16

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	
7,541.5	0.00	0.00	7,541.5	0.0	0.0	0.00	0.00	0.00	0.00	
8,290.4	89.87	0.16	8,019.0	476.3	1.4	12.00	12.00	0.02	0.16	
12,561.5	89.87	0.16	8,029.0	4,747.4	13.5	0.00	0.00	0.00	0.00	PBHL Black Lake 5 O

DDC
Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Black Lake 5 OB State Com #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3024.0usft (Patterson #187)
Project:	Eddy County, New Mexico (Nad 83)	MD Reference:	WELL @ 3024.0usft (Patterson #187)
Site:	Sec 5, T25S, R28E	North Reference:	Grid
Well:	Black Lake 5 OB State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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)
Build 12° / 100'									
7,541.5	0.00	0.00	7,541.5	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	7.02	0.16	7,599.9	3.6	0.0	3.6	12.00	12.00	0.00
7,700.0	19.02	0.16	7,697.1	26.1	0.1	26.1	12.00	12.00	0.00
7,800.0	31.02	0.16	7,787.6	68.3	0.2	68.3	12.00	12.00	0.00
7,900.0	43.02	0.16	7,867.3	128.4	0.4	128.4	12.00	12.00	0.00
8,000.0	55.02	0.16	7,932.7	203.7	0.6	203.7	12.00	12.00	0.00
8,100.0	67.02	0.16	7,981.1	291.1	0.8	291.1	12.00	12.00	0.00
8,200.0	79.02	0.16	8,010.2	386.5	1.1	386.5	12.00	12.00	0.00
End of Curve / 89.87° Inc / 16° Azm / 8019' TVD									
8,290.4	89.87	0.16	8,019.0	476.3	1.4	476.3	12.00	12.00	0.00
8,300.0	89.87	0.16	8,019.0	486.0	1.4	486.0	0.00	0.00	0.00
8,400.0	89.87	0.16	8,019.2	586.0	1.7	586.0	0.00	0.00	0.00
8,500.0	89.87	0.16	8,019.5	686.0	2.0	686.0	0.00	0.00	0.00
8,600.0	89.87	0.16	8,019.7	786.0	2.2	786.0	0.00	0.00	0.00
8,700.0	89.87	0.16	8,019.9	886.0	2.5	886.0	0.00	0.00	0.00
8,800.0	89.87	0.16	8,020.2	986.0	2.8	986.0	0.00	0.00	0.00
8,900.0	89.87	0.16	8,020.4	1,086.0	3.1	1,086.0	0.00	0.00	0.00
9,000.0	89.87	0.16	8,020.6	1,186.0	3.4	1,186.0	0.00	0.00	0.00
9,100.0	89.87	0.16	8,020.9	1,286.0	3.7	1,286.0	0.00	0.00	0.00
9,200.0	89.87	0.16	8,021.1	1,386.0	3.9	1,386.0	0.00	0.00	0.00
9,300.0	89.87	0.16	8,021.3	1,486.0	4.2	1,486.0	0.00	0.00	0.00
9,400.0	89.87	0.16	8,021.6	1,586.0	4.5	1,586.0	0.00	0.00	0.00
9,500.0	89.87	0.16	8,021.8	1,686.0	4.8	1,686.0	0.00	0.00	0.00
9,600.0	89.87	0.16	8,022.0	1,786.0	5.1	1,786.0	0.00	0.00	0.00
9,700.0	89.87	0.16	8,022.3	1,886.0	5.4	1,886.0	0.00	0.00	0.00
9,800.0	89.87	0.16	8,022.5	1,986.0	5.6	1,986.0	0.00	0.00	0.00
9,900.0	89.87	0.16	8,022.7	2,086.0	5.9	2,086.0	0.00	0.00	0.00
10,000.0	89.87	0.16	8,023.0	2,186.0	6.2	2,186.0	0.00	0.00	0.00
10,100.0	89.87	0.16	8,023.2	2,286.0	6.5	2,286.0	0.00	0.00	0.00
10,200.0	89.87	0.16	8,023.5	2,385.9	6.8	2,386.0	0.00	0.00	0.00
10,300.0	89.87	0.16	8,023.7	2,485.9	7.1	2,486.0	0.00	0.00	0.00
10,400.0	89.87	0.16	8,023.9	2,585.9	7.4	2,586.0	0.00	0.00	0.00
10,500.0	89.87	0.16	8,024.2	2,685.9	7.6	2,686.0	0.00	0.00	0.00
10,600.0	89.87	0.16	8,024.4	2,785.9	7.9	2,786.0	0.00	0.00	0.00
10,700.0	89.87	0.16	8,024.6	2,885.9	8.2	2,886.0	0.00	0.00	0.00
10,800.0	89.87	0.16	8,024.9	2,985.9	8.5	2,986.0	0.00	0.00	0.00
10,900.0	89.87	0.16	8,025.1	3,085.9	8.8	3,086.0	0.00	0.00	0.00
11,000.0	89.87	0.16	8,025.3	3,185.9	9.1	3,186.0	0.00	0.00	0.00
11,100.0	89.87	0.16	8,025.6	3,285.9	9.3	3,286.0	0.00	0.00	0.00
11,200.0	89.87	0.16	8,025.8	3,385.9	9.6	3,386.0	0.00	0.00	0.00
11,300.0	89.87	0.16	8,026.0	3,485.9	9.9	3,486.0	0.00	0.00	0.00
11,400.0	89.87	0.16	8,026.3	3,585.9	10.2	3,586.0	0.00	0.00	0.00
11,500.0	89.87	0.16	8,026.5	3,685.9	10.5	3,686.0	0.00	0.00	0.00
11,600.0	89.87	0.16	8,026.7	3,785.9	10.8	3,786.0	0.00	0.00	0.00
11,700.0	89.87	0.16	8,027.0	3,885.9	11.1	3,886.0	0.00	0.00	0.00
11,800.0	89.87	0.16	8,027.2	3,985.9	11.3	3,986.0	0.00	0.00	0.00
11,900.0	89.87	0.16	8,027.4	4,085.9	11.6	4,086.0	0.00	0.00	0.00
12,000.0	89.87	0.16	8,027.7	4,185.9	11.9	4,186.0	0.00	0.00	0.00
12,100.0	89.87	0.16	8,027.9	4,285.9	12.2	4,286.0	0.00	0.00	0.00
12,200.0	89.87	0.16	8,028.2	4,385.9	12.5	4,386.0	0.00	0.00	0.00
12,300.0	89.87	0.16	8,028.4	4,485.9	12.8	4,486.0	0.00	0.00	0.00
12,400.0	89.87	0.16	8,028.6	4,585.9	13.0	4,586.0	0.00	0.00	0.00
12,500.0	89.87	0.16	8,028.9	4,685.9	13.3	4,686.0	0.00	0.00	0.00

DDC
Well Planning Report



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Wellbore:	Wellbore #1		
Design:	Design #1		

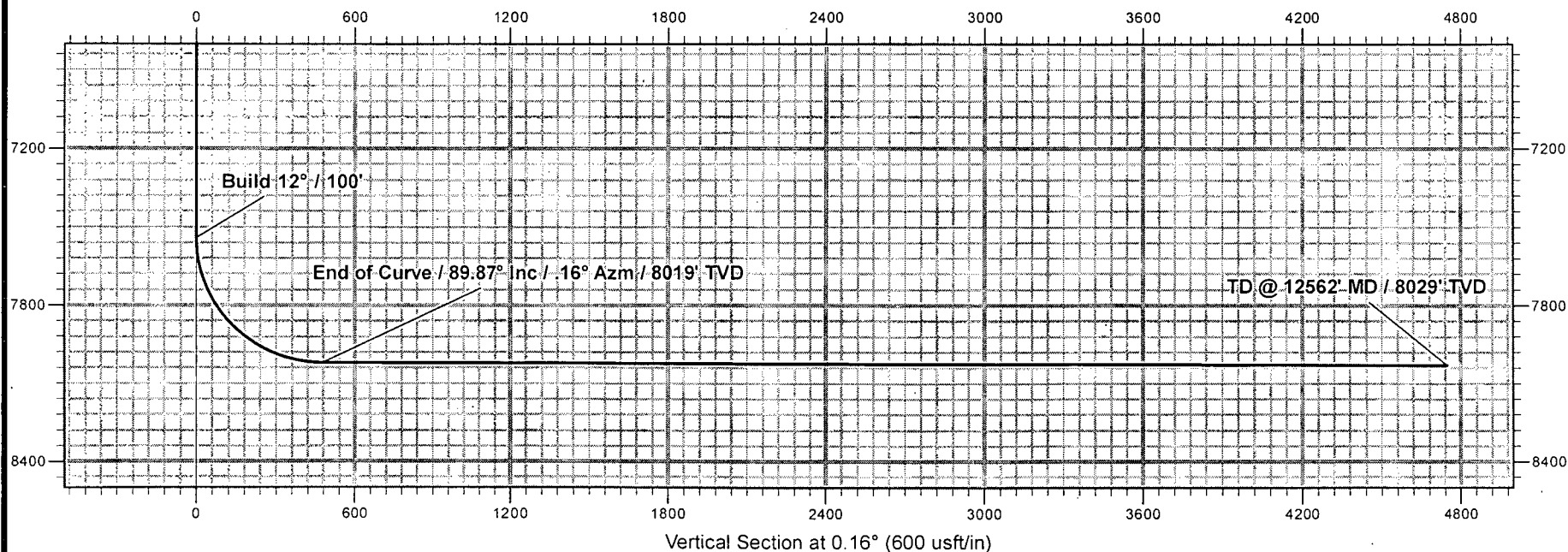
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
TD @ 12562' MD / 8029' TVD									
12,561.5	89.87	0.16	8,029.0	4,747.4	13.5	4,747.4	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL Black Lake 5 OB :	0.00	0.00	8,029.0	4,747.4	13.5	424,059.20	611,240.90	32° 9' 56.215 N	104° 6' 26.723 W
- hit/miss target									
- Shape									
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,541.5	7,541.5	0.0	0.0	Build 12° / 100'
8,290.4	8,019.0	476.3	1.4	End of Curve / 89.87° Inc / .16° Azm / 8019' TVD
12,561.5	8,029.0	4,747.4	13.5	TD @ 12562' MD / 8029' TVD

Mewbourne Oil Company

Eddy County, New Mexico (Nad 83)
Black Lake 5 OB State Com #1H
Quote 130898
Design #1



Mewbourne Oil Company

Eddy County, New Mexico (Nad 83)
Black Lake 5 OB State Com #1H
Quote 130898
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