Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

Carlsbad Field Office
OCD Artesia

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

UNORTHODOX LOCATION

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other	8. Well Name and No. WHITE CITY 30 24 27 FEDERAL 1H
2. Name of Operator MEWBOURNE OIL COMPANY Contact: JACKIE LATHAN E-Mail: jlathan@mewbourne.com	9. API Well No. 30-015-43296
3a. Address PO BOX 5270 HOBBS, NM 88241 3b. Phone No. (include area code) Ph: 575-393-5905	10. Field and Pool, or Exploratory WOLFCAMP Sulphate Draw, WC
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)* Sec 31 T24S R27E Mer NMP NENE 175FNL 606FEL	11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original APD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MOC has an signed change of operator for the subject well. MOC would like to make changes to the original APD. MOC would like to change well name to Commodore 30 W2PA Federal #1H. MOC would also like to change the pool to Sulphate Draw Wolfcamp (85780). The proration unit will change to 320 acres. The BHL will change to 330' FNL & 330' FEL, Sec 30 T24S R27E. Please see attached drilling program, drilling plan, corrected C102 & signed change of operator for details on these changes. Please call Bradley Bishop or Andy Taylor with any questions.

Bond on file: NM1693 nationwide & NMB000919

Bond on file: 22015694 nationwide & 022041703 Statewide

SEE ATTACHED FOR CONDITIONS OF APPROVAL

NM OIL CONSERVATIO
ARTESIA DISTRICT
MAY 19 2016
RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #338313 verified by the BLM Well Information System
For MEWBOURNE OIL COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by TEUNGKU KRUENG on 05/04/2016 ()

Name *(Printed/Typed)* JACKIE LATHAN — Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) — Date ~~05/04/2016~~ MAY

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED

Approved By **Teungku Muchlis Krueng** — Title PETROLEUM ENGINEER — Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

BJ 5/24/16 ES 5/24/16

Medium Cave Karst: two casing strings, both to circulate cement to surface.

13 3/8 surface csg in a 17 1/2 inch hole. Design Factors SURFACE

Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	48.00	H 40	ST&C	14.91	3.74	1.48	450	21,600
"B"							0	0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,015			Tail Cmt	does not	circ to sfc.	Totals:	450	21,600

Comparison of Proposed to Minimum Required Cement Volumes

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
17 1/2	0.6946	375	639	367	74	8.80	674	2M	1.56

9 5/8 casing inside the 13 3/8 Design Factors INTERMEDIATE

Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	36.00	J 55	LT&C	5.59	1.73	0.68	2,250	81,000
"B"							0	0
w/8.4#/g mud, 30min Sfc Csg Test psig:						Totals:	2,250	81,000

The cement volume(s) are intended to achieve a top of 0 ft from surface or a 450 overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
12 1/4	0.3132	515	936	752	24	10.00	2859	3M	0.81

Burst Frac Gradient(s) for Segment(s): A, B, C, D = 1.56, b, c, d
All > 0.70, OK.

7 casing inside the 9 5/8 Design Factors PRODUCTION

Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	26.00	HCP 110	LT&C	2.55	1.65	1.93	9,552	248,352
"B"	26.00	HCP 110	BUTT	6.01	1.39	1.93	900	23,400
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,101						Totals:	10,452	271,752
B would be:				35.49	1.51	if it were a vertical wellbore.		

No Pilot Hole Planned

MTD	Max VTD	Csg VD	Curve KOP	Dogleg°	Severity°	MEOC
10452	10452	10452	9552	90	10	10452

The cement volume(s) are intended to achieve a top of 2050 ft from surface or a 200 overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
8 3/4	0.1503	look-v	0	1276		9.50	4759	5M	0.55
Setting Depths for D V Tool(s):		4100					sum of sx	Σ CuFt	Σ%excess
% excess cmt by stage:		26	28				975	1613	26

MASP is within 10% of 5000psig, need exrta equip?

Tail cmt

4 1/2 *Liner w/top @* 9552 Design Factors LINER

Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	13.50	P 110	LT&C	6.70	1.4	1.76	5,498	74,223
"B"							0	0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,299						Totals:	5,498	74,223
A egment Design Factors would be:				4.55	1.51	if it were a vertical wellbore.		

No Pilot Hole Planned

MTD	Max VTD	Csg VD	Curve KOP	Dogleg°	Severity°	MEOC
15050	10452	10452	9552	90	10	10452

The cement volume(s) are intended to achieve a top of 9552 ft from surface or a 900 overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
6 1/8	0.0942	230	683	531	29	13.00			0.56

Class 'H' tail cmt yld > 1.20 Capitan Reef est top XXXX. MASP is within 10% of 5000psig, need exrta equip?

Mewbourne Oil Company, Commodore 30 W2PA Fed #1H
Sec 31, T24S, R27E
SL: 175' FNL & 606' FEL, Sec 31
BHL: 330' FNL & 330' FEL, Sec 30

1. Geologic Formations

TVD of target	10125'	Pilot hole depth	NA
MD at TD:	15050'	Deepest expected fresh water:	350'

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface		
Rustler	0	Water	
Top of Salt			
Castile			
Base Salt			
Lamar			
Bell Canyon	2324	Water	
Cherry Canyon	3085	Oil/Gas	
Manzanita Marker			
Brushy Canyon	4197	Oil/Gas	
Bone Spring	5774	Oil/Gas	
1st Bone Spring Sand	7153		
2nd Bone Spring Sand	7360		
3rd Bone Spring Sand			
Abo			
Wolfcamp	8930	Target Zone	
Devonian			
Fusselman			
Ellenburger			
Granite Wash			

*H2S, water flows, loss of circulation, abnormal pressures, etc.

Mewbourne Oil Company, Commodore 30 W2PA Fed #1H
Sec 31, T24S, R27E
SL: 175' FNL & 606' FEL, Sec 31
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2. Casing Program

Hole Size	Casing Interval From	Casing Interval To	Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17.5"	0'	450'	13.375"	48	H40	STC	3.16	7.39	14.91
12.25"	0'	2250'	9.625"	36	J55	LTC	1.73	3.01	5.59
8.75"	0'	9552'	7"	26	HCP110	LTC	1.21	1.54	2.55
8.75"	9552'	10452'	7"	26	HCP110	BTC	1.14	1.46	35.47
6.125"	9552'	15050'	4.5"	13.5	P110	LTC	1.56	1.81	4.54
				BLM Minimum Safety Factor			1.125	1	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h
Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	Y
If yes, are there two strings cemented to surface?	Y
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Mewbourne Oil Company, Commodore 30 W2PA Fed #1H
Sec 31, T24S, R27E
SL: 175' FNL & 606' FEL, Sec 31
BHL: 330' FNL & 330' FEL, Sec 30

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_2O gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf.	175	12.5	2.12	11	10	Lead: Class C + 4.0% Bentonite + 0.6% CD-32 + 5% Sodium Chloride +0.25lb/sk Cello-Flake
	200	14.8	1.34	6.3	8	Class C + 0.005pps Static Free + 1% CaCl2 + 0.25 pps CelloFlake + 0.005 gps FP-6L
Inter.	315	12.5	2.12	11	10	Lead: Class C (35:65:4) + 5% Sodium Chloride +5#/sk LCM +0.25lb/sk Cello-Flake
	200	14.8	1.34	6.3	8	Tail: Class C + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
Prod. Stg 1	350	12.5	2.12	11	9	Lead: Class C (60:40:0) + 15.00 lb/sk BA-90 + 4.00% MPS-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.90% R-21 + 8.00 lb/sk LCM-1 + 0.005 lb/sk Static Free
	400	15.6	1.18	5.2	10	Tail: Class H + 0.65% FL-52 + 0.10% R-3 + 0.005 lb/sk Static Free
ECP/DV Tool @ 4100'						
Prod. Stg 2	125	12.5	2.12	11	10	Lead: Class C (35:65:4) + 5% Sodium Chloride +5#/sk LCM +0.25lb/sk Cello-Flake
	100	14.8	1.34	6.3	8	Tail: Class C + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
Liner	230	11.2	2.97	17	16	Class C (60:40:0) +4% MPA5+1.2% BA10A+ 10#/sk BA90+ 5%A10+0.65%ASA301+1.5% SMS+1.2%R21

A copy of cement test will be available on location at time of cement job providing pump times, compressive strengths, etc.

Casing String	TOC	% Excess
Surface	0'	100%
Intermediate	0'	25%
Production	2050'	25%
Liner	9552'	25%

4. Pressure Control Equipment

	Variance: None

BOP installed and tested before drilling which hole?	Size?	System Rated WP	Type	✓	Tested to:
12-1/4"	13-5/8"	3M	Annular	X	1250#
			Blind Ram		
			Pipe Ram		
			Double Ram		
			Other*		
8-3/4"	13 5/8"	10M	Annular	X	5000#
			Blind Ram	X	10000#
			Pipe Ram	X	
			Double Ram		
			Other*		
6-1/8"	13 5/8"	10M	Annular	X	5000#
			Blind Ram	X	10000#
			Pipe Ram	X	
			Double Ram		
			Other*		

*Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
N	Are anchors required by manufacturer?
N	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. • Provide description here See attached schematic.

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0'	450'	FW Gel	8.6-8.8	28-34	N/C
450'	2250'	Saturated Brine	10.0	28-34	N/C
2250'	9552'	Cut Brine	8.6-9.5	28-34	N/C
9552'	15050'	OBM	10.0-13.0	30-40	<10cc

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	Pason/PVT/Visual Monitoring

6. Logging and Testing Procedures

Logging, Coring and Testing.	
X	Will run GR/CNL from KOP (9552') to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
	No Logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain
	Coring? If yes, explain

Additional logs planned		Interval
X	Gamma Ray	9552' (KOP) to TD

	Density	
	CBL	
	Mud log	
	PEX	

7. *Drilling Conditions*

Condition	Specify what type and where?
BH Pressure at deepest TVD	6845 psi
Abnormal Temperature	No

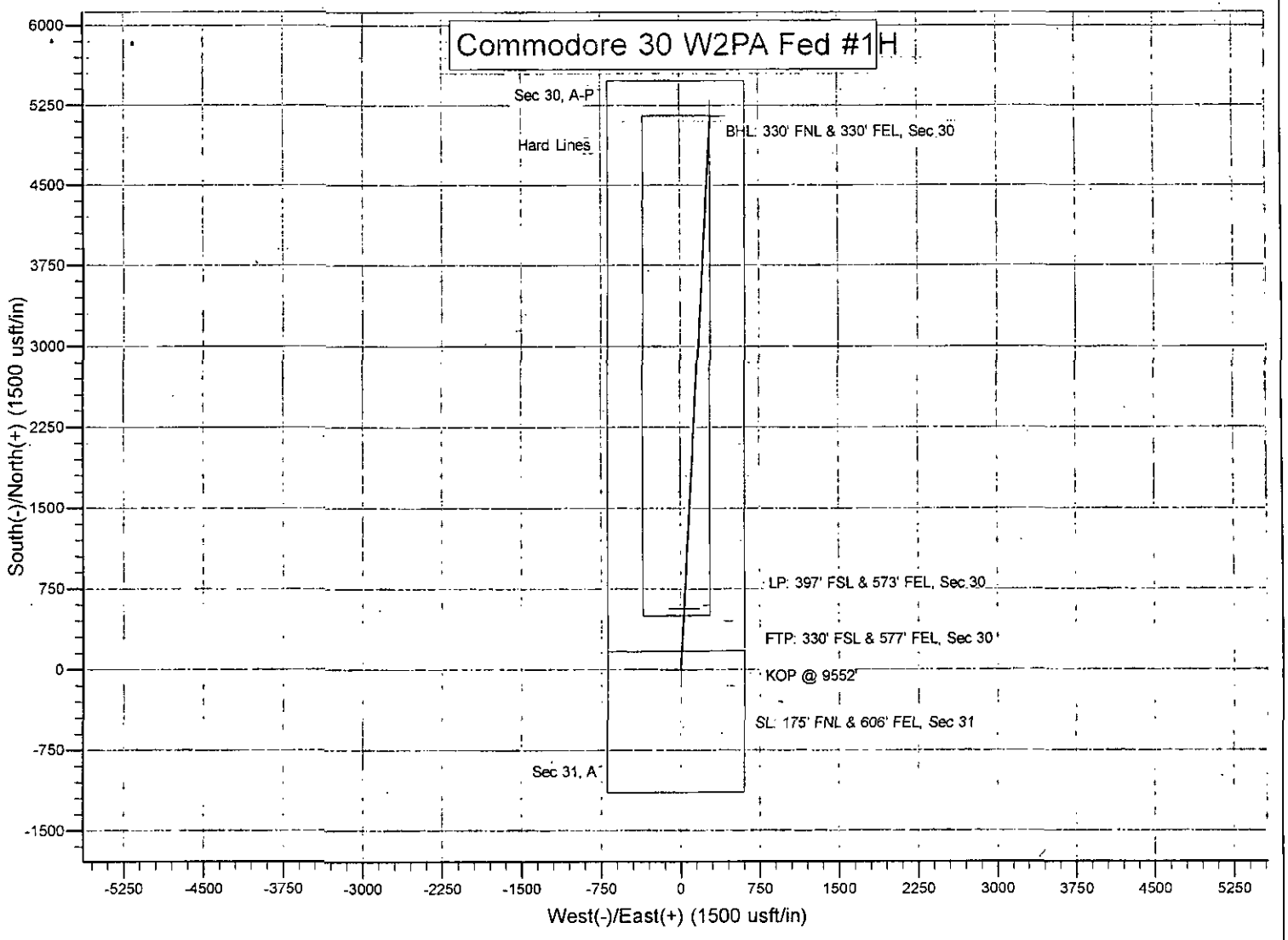
Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers in surface hole. Weighted mud for possible over-pressure in Wolfcamp formation.

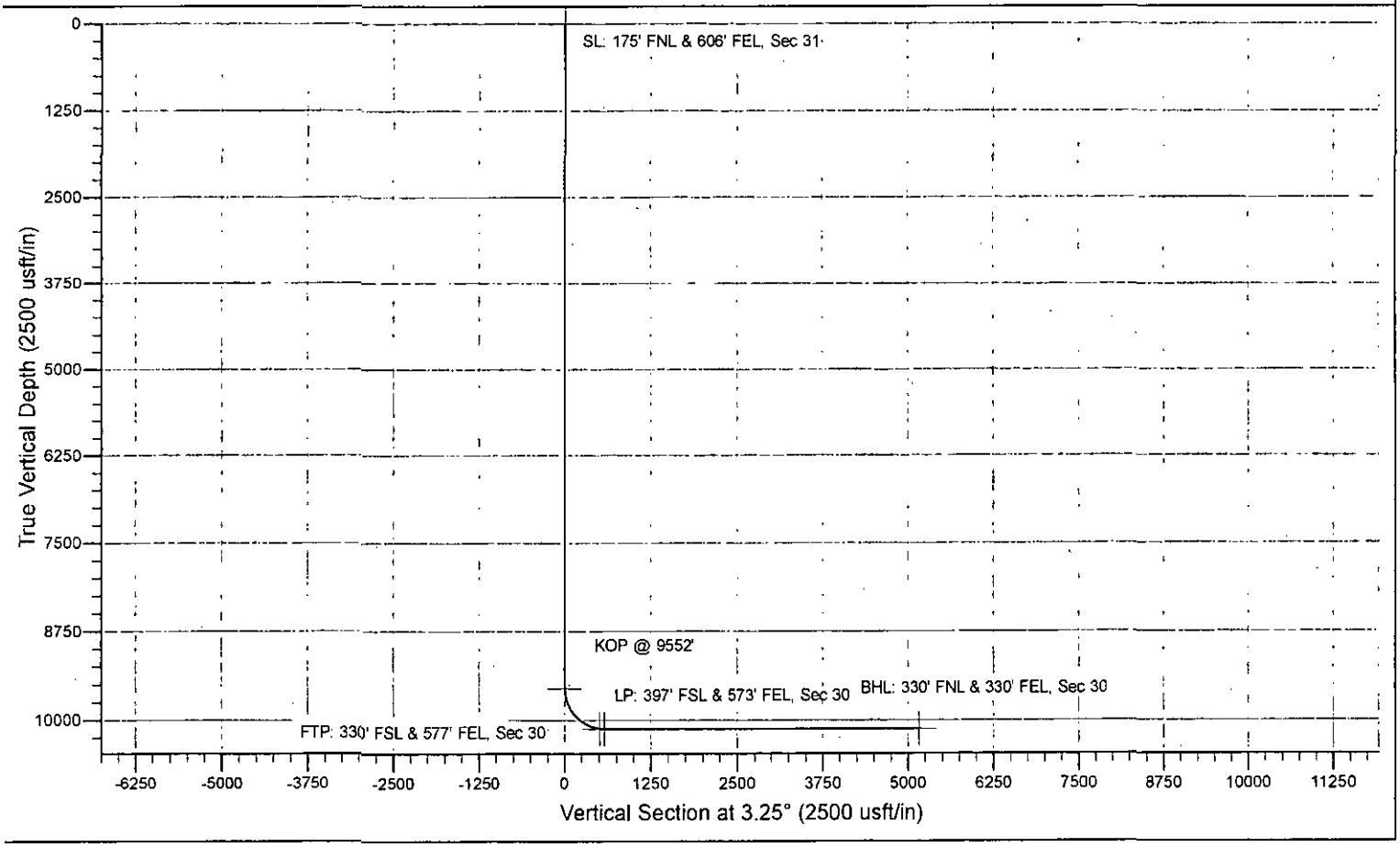
Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.	
	H2S is present
X	H2S Plan attached

8. Other facets of operation

Is this a walking operation? If yes, describe.
Will be pre-setting casing? If yes, describe.

Attachments
___ Directional Plan
___ Other, describe


Commodore 30 W2PA Fed #1H
Sec 30, A-P
Hard Lines
BHL: 330' FNL & 330' FEL, Sec 30
LP: 397' FSL & 573' FEL, Sec 30
FTP: 330' FSL & 577' FEL, Sec 30
KOP @ 9552'
SL: 175' FNL & 606' FEL, Sec 31
Sec 31, A
South(-)/North(+) (1500 usft/in)
West(-)/East(+) (1500 usft/in)
6000
5250
4500
3750
3000
2250
1500
750
0
-750
-1500
-5250
-4500
-3750
-3000
-2250
-1500
-750
0
750
1500
2250
3000
3750
4500
5250


SL: 175' FNL & 606' FEL, Sec 31
KOP @ 9552'
LP: 397' FSL & 573' FEL, Sec 30
BHL: 330' FNL & 330' FEL, Sec 30
FTP: 330' FSL & 577' FEL, Sec 30
True Vertical Depth (2500 usft/in)
Vertical Section at 3.25° (2500 usft/in)
0
1250
2500
3750
5000
6250
7500
8750
10000
-6250
-5000
-3750
-2500
-1250
0
1250
2500
3750
5000
6250
7500
8750
10000
11250

Mewbourne Oil Company

Eddy County, New Mexico
Commodore 30 W2PA Fed #1H
Sec 31, T24S, R27E
SL: 175' FNL & 606' FEL, Sec 31
BHL: 330' FNL & 330' FEL, Sec 30

Plan: Design #1

Standard Planning Report

26 April, 2016

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Commodore 30 W2PA Fed #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3445.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	**MD Reference:**	WELL @ 3445.0usft (Original Well Elev)
Site:	Commodore 30 W2PA Fed #1H	**North Reference:**	Grid
Well:	Sec 31, T24S, R27E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FEL, Sec 30		
Design:	Design #1		

Project Eddy County, New Mexico

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site Commodore 30 W2PA Fed #1H

Site Position:		**Northing:**	429,344.00 usft	**Latitude:**	32° 10' 49.207 N
From:	Map	**Easting:**	534,222.00 usft	**Longitude:**	104° 13' 21.795 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.06 °

Well Sec 31, T24S, R27E

Well Position	**+N/-S**	0.0 usft	**Northing:**	429,344.00 usft	**Latitude:**	32° 10' 49.207 N
	+E/-W	0.0 usft	**Easting:**	534,222.00 usft	**Longitude:**	104° 13' 21.795 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	3,445.0 usft	**Ground Level:**	3,418.0 usft

Wellbore BHL: 330' FNL & 330' FEL, Sec 30

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	8.04	60.08	48,693

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	3.25

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	
9,552.0	0.00	0.00	9,552.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,452.0	90.00	3.25	10,125.0	572.0	32.5	10.00	10.00	0.00	3.25	
15,039.4	90.00	3.25	10,125.0	5,152.0	293.0	0.00	0.00	0.00	0.00	BHL: 330' FNL & 330'

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Commodore 30 W2PA Fed #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3445.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	**MD Reference:**	WELL @ 3445.0usft (Original Well Elev)
Site:	Commodore 30 W2PA Fed #1H	**North Reference:**	Grid
Well:	Sec 31, T24S, R27E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FEL, Sec 30		
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
SL: 175' FNL & 606' FEL, Sec 31									
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
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Commodore 30 W2PA Fed #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3445.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	**MD Reference:**	WELL @ 3445.0usft (Original Well Elev)
Site:	Commodore 30 W2PA Fed #1H	**North Reference:**	Grid
Well:	Sec 31, T24S, R27E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FEL, Sec 30		
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)
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,552.0	0.00	0.00	9,552.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 9552'									
9,600.0	4.80	3.25	9,599.9	2.0	0.1	2.0	10.00	10.00	0.00
9,700.0	14.80	3.25	9,698.4	19.0	1.1	19.0	10.00	10.00	0.00
9,800.0	24.80	3.25	9,792.3	52.7	3.0	52.8	10.00	10.00	0.00
9,900.0	34.80	3.25	9,879.0	102.3	5.8	102.5	10.00	10.00	0.00
10,000.0	44.80	3.25	9,955.7	166.1	9.4	166.4	10.00	10.00	0.00
10,100.0	54.80	3.25	10,020.2	242.3	13.8	242.7	10.00	10.00	0.00
10,200.0	64.80	3.25	10,070.5	328.4	18.7	329.0	10.00	10.00	0.00
10,300.0	74.80	3.25	10,104.9	422.0	24.0	422.7	10.00	10.00	0.00

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Commodore 30 W2PA Fed #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3445.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	**MD Reference:**	WELL @ 3445.0usft (Original Well Elev)
Site:	Commodore 30 W2PA Fed #1H	**North Reference:**	Grid
Well:	Sec 31, T24S, R27E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FEL, Sec 30		
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)
10,384.8	83.27	3.25	10,121.1	505.0	28.7	505.8	10.00	10.00	0.00
FTP: 330' FSL & 577' FEL, Sec 30									
10,400.0	84.80	3.25	10,122.6	520.1	29.6	521.0	10.00	10.00	0.00
10,452.0	90.00	3.25	10,125.0	572.0	32.5	572.9	10.00	10.00	0.00
LP: 397' FSL & 573' FEL, Sec 30									
10,500.0	90.00	3.25	10,125.0	619.9	35.3	620.9	0.01	0.01	0.00
10,600.0	90.00	3.25	10,125.0	719.8	40.9	720.9	0.00	0.00	0.00
10,700.0	90.00	3.25	10,125.0	819.6	46.6	820.9	0.00	0.00	0.00
10,800.0	90.00	3.25	10,125.0	919.4	52.3	920.9	0.00	0.00	0.00
10,900.0	90.00	3.25	10,125.0	1,019.3	58.0	1,020.9	0.00	0.00	0.00
11,000.0	90.00	3.25	10,125.0	1,119.1	63.6	1,120.9	0.00	0.00	0.00
11,100.0	90.00	3.25	10,125.0	1,218.9	69.3	1,220.9	0.00	0.00	0.00
11,200.0	90.00	3.25	10,125.0	1,318.8	75.0	1,320.9	0.00	0.00	0.00
11,300.0	90.00	3.25	10,125.0	1,418.6	80.7	1,420.9	0.00	0.00	0.00
11,400.0	90.00	3.25	10,125.0	1,518.5	86.4	1,520.9	0.00	0.00	0.00
11,500.0	90.00	3.25	10,125.0	1,618.3	92.0	1,620.9	0.00	0.00	0.00
11,600.0	90.00	3.25	10,125.0	1,718.1	97.7	1,720.9	0.00	0.00	0.00
11,700.0	90.00	3.25	10,125.0	1,818.0	103.4	1,820.9	0.00	0.00	0.00
11,800.0	90.00	3.25	10,125.0	1,917.8	109.1	1,920.9	0.00	0.00	0.00
11,900.0	90.00	3.25	10,125.0	2,017.7	114.7	2,020.9	0.00	0.00	0.00
12,000.0	90.00	3.25	10,125.0	2,117.5	120.4	2,120.9	0.00	0.00	0.00
12,100.0	90.00	3.25	10,125.0	2,217.3	126.1	2,220.9	0.00	0.00	0.00
12,200.0	90.00	3.25	10,125.0	2,317.2	131.8	2,320.9	0.00	0.00	0.00
12,300.0	90.00	3.25	10,125.0	2,417.0	137.5	2,420.9	0.00	0.00	0.00
12,400.0	90.00	3.25	10,125.0	2,516.8	143.1	2,520.9	0.00	0.00	0.00
12,500.0	90.00	3.25	10,125.0	2,616.7	148.8	2,620.9	0.00	0.00	0.00
12,600.0	90.00	3.25	10,125.0	2,716.5	154.5	2,720.9	0.00	0.00	0.00
12,700.0	90.00	3.25	10,125.0	2,816.4	160.2	2,820.9	0.00	0.00	0.00
12,800.0	90.00	3.25	10,125.0	2,916.2	165.8	2,920.9	0.00	0.00	0.00
12,900.0	90.00	3.25	10,125.0	3,016.0	171.5	3,020.9	0.00	0.00	0.00
13,000.0	90.00	3.25	10,125.0	3,115.9	177.2	3,120.9	0.00	0.00	0.00
13,100.0	90.00	3.25	10,125.0	3,215.7	182.9	3,220.9	0.00	0.00	0.00
13,200.0	90.00	3.25	10,125.0	3,315.6	188.6	3,320.9	0.00	0.00	0.00
13,300.0	90.00	3.25	10,125.0	3,415.4	194.2	3,420.9	0.00	0.00	0.00
13,400.0	90.00	3.25	10,125.0	3,515.2	199.9	3,520.9	0.00	0.00	0.00
13,500.0	90.00	3.25	10,125.0	3,615.1	205.6	3,620.9	0.00	0.00	0.00
13,600.0	90.00	3.25	10,125.0	3,714.9	211.3	3,720.9	0.00	0.00	0.00
13,700.0	90.00	3.25	10,125.0	3,814.8	216.9	3,820.9	0.00	0.00	0.00
13,800.0	90.00	3.25	10,125.0	3,914.6	222.6	3,920.9	0.00	0.00	0.00
13,900.0	90.00	3.25	10,125.0	4,014.4	228.3	4,020.9	0.00	0.00	0.00
14,000.0	90.00	3.25	10,125.0	4,114.3	234.0	4,120.9	0.00	0.00	0.00
14,100.0	90.00	3.25	10,125.0	4,214.1	239.7	4,220.9	0.00	0.00	0.00
14,200.0	90.00	3.25	10,125.0	4,313.9	245.3	4,320.9	0.00	0.00	0.00
14,300.0	90.00	3.25	10,125.0	4,413.8	251.0	4,420.9	0.00	0.00	0.00
14,400.0	90.00	3.25	10,125.0	4,513.6	256.7	4,520.9	0.00	0.00	0.00
14,500.0	90.00	3.25	10,125.0	4,613.5	262.4	4,620.9	0.00	0.00	0.00
14,600.0	90.00	3.25	10,125.0	4,713.3	268.1	4,720.9	0.00	0.00	0.00
14,700.0	90.00	3.25	10,125.0	4,813.1	273.7	4,820.9	0.00	0.00	0.00
14,800.0	90.00	3.25	10,125.0	4,913.0	279.4	4,920.9	0.00	0.00	0.00
14,900.0	90.00	3.25	10,125.0	5,012.8	285.1	5,020.9	0.00	0.00	0.00
15,000.0	90.00	3.25	10,125.0	5,112.7	290.8	5,120.9	0.00	0.00	0.00
15,039.4	90.00	3.25	10,125.0	5,152.0	293.0	5,160.3	0.00	0.00	0.00
BHL: 330' FNL & 330' FEL, Sec 30									

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Commodore 30 W2PA Fed #1H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3445.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	**MD Reference:**	WELL @ 3445.0usft (Original Well Elev)
Site:	Commodore 30 W2PA Fed #1H	**North Reference:**	Grid
Well:	Sec 31, T24S, R27E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FEL, Sec 30		
Design:	Design #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
SL: 175' FNL & 606' FEL - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	429,344.00	534,222.00	32° 10' 49.207 N	104° 13' 21.795 W
KOP @ 9552' - plan hits target center - Point	0.00	0.00	9,552.0	0.0	0.0	429,344.00	534,222.00	32° 10' 49.207 N	104° 13' 21.795 W
FTP: 330' FSL & 577' FE - plan hits target center - Point	0.00	0.00	10,121.1	505.0	28.7	429,849.00	534,250.72	32° 10' 54.204 N	104° 13' 21.455 W
BHL: 330' FNL & 330' FE - plan hits target center - Point	0.00	0.00	10,125.0	5,152.0	293.0	434,496.00	534,515.00	32° 11' 40.190 N	104° 13' 18.324 W
LP: 397' FSL & 573' FEL - plan hits target center - Point	0.00	0.00	10,125.0	572.0	32.5	429,916.00	534,254.50	32° 10' 54.868 N	104° 13' 21.410 W

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

Form C-145
August 1, 2011

Permit 219883

Change of Operator

Previous Operator Information		New Operator Information	
		Effective Date:	Effective on the date of approval by the OCD
OGRID:	4323	OGRID:	14744
Name:	CHEVRON U S A INC	Name:	MEWBOURNE OIL CO
Address:	Attn: Sandy Stedman-Daniel	Address:	PO Box 5270
	1400 Smith		
City, State, Zip:	Houston, TX 77002	City, State, Zip:	Hobbs, NM 88241

I hereby certify that the rules of the Oil Conservation Division ("OCD") have been complied with and that the information on this form and the certified list of wells is true to the best of my knowledge and belief.

Additionally, by signing below, MEWBOURNE OIL CO certifies that it has read and understands the following synopsis of applicable rules.

PREVIOUS OPERATOR certifies that all below-grade tanks constructed and installed prior to June 16, 2008 associated with the selected wells being transferred are either (1) in compliance with 19.15.17 NMAC, (2) have been closed pursuant to 19.15.17.13 NMAC or (3) have been retrofitted to comply with Paragraphs 1 through 4 of 19.15.17.11(I) NMAC.

MEWBOURNE OIL CO understands that the OCD's approval of this operator change:

1. constitutes approval of the transfer of the permit for any permitted pit, below-grade tank or closed-loop system associated with the selected wells; and
2. constitutes approval of the transfer of any below-grade tanks constructed and installed prior to June 16, 2008 associated with the selected wells, regardless of whether the transferor has disclosed the existence of those below-grade tanks to the transferee or to the OCD, and regardless of whether the below-grade tanks are in compliance with 19.15.17 NMAC.

As the operator of record of wells in New Mexico, MEWBOURNE OIL CO agrees to the following statements:

1. I am responsible for ensuring that the wells and related facilities comply with applicable statutes and rules, and am responsible for all regulatory filings with the OCD. I have familiarized myself with all applicable statutes and rules, not just the rules referenced in this list. I understand that the OCD's rules (19.15.2-19.15.112 NMAC) and the Water quality Control Commission's rules (20.6.2-20.6.7 NMAC) are available at the New Mexico State Records Center and Archives website (www.nmcpr.state.nm.us).
2. I understand that if I acquire wells from another operator, the OCD must approve the operator change before I begin operating those wells, see 19.15.9.9(B) NMAC. I understand that if I acquire wells or facilities subject to a compliance order addressing inactive wells or environmental cleanup, before the OCD will approve the operator change it may require me to enter into an enforceable agreement to return those wells to compliance. See 19.15.9.8(C)(2) NMAC.
3. I must file a monthly C-115 report showing production for each non-plugged well completion for which the OCD has approved an allowable and authorization to transport, and injection for each injection well. See 19.15.7.24 NMAC. I understand that the OCD may cancel my authority to transport from or inject into all the wells I operate if I fail to file C-115 reports. See 19.15.7.24(C) NMAC.
4. I UNDERSTAND THAT New Mexico requires wells that have been inactive for certain time periods to be plugged or placed on approved temporary abandonment. See 19.15.25.8 NMAC. I understand the requirements for plugging and approved temporary abandonment in 19.15.25 NMAC. I understand that I can check my compliance with the basic requirements of 19.15.25.8 NMAC by using the "Inactive Well List" on OCD's website.
5. I must keep current with financial assurances for well plugging. I understand that New Mexico requires each state or fee well that has been inactive for more than two years and has not been plugged and released to be covered by a single-well financial assurance, or blanket plugging financial assurance for wells in temporarily abandoned status, even if the well is also covered by a blanket financial assurance and even if the well is on approved temporary abandonment status. See 19.15.8.9(C) NMAC. I understand that I can check my compliance with the single-well financial assurance requirement by using the "Inactive Well Additional Financial Assurance Report" on the OCD's website.
6. I am responsible for reporting releases as defined by 19.15.29 NMAC. I understand the OCD will look to me as the operator of record to take corrective action for releases at my wells and related facilities, including releases that occurred before I became operator of record.
7. I have read 19.15.5.9 NMAC, commonly known as "Rule 5.9" and understand that to be in compliance with its requirements I must have the appropriate financial assurances in place, comply with orders requiring corrective action, pay penalties assessed by the courts or agreed to by me in a settlement agreement, and not have too many wells out of compliance with the inactive well rule (19.15.25.8 NMAC). If I am in violation of 19.15.5.9 NMAC, I may not be allowed to drill, acquire or produce any additional wells, and will not be able to obtain any new injection permits. See 19.15.16.19 NMAC, 19.15.26.8 NMAC, 19.15.9.9 NMAC and 19.15.14.10 NMAC. If I am in violation of 19.15.5.9 NMAC the OCD may, after notice and hearing, revoke my existing injection permits. See 19.15.26.8 NMAC.
8. For injection (or disposal) wells, I acknowledge that I have read and agree to operate my wells in compliance with 19.15.26 NMAC. I acknowledge that I have read and agree to the terms of my injection permit. I understand that I must report injection volume and injection pressure on my monthly C-115 report. I understand that I must conduct mechanical integrity tests on my injection wells at least once every five years. See 19.15.26.11 NMAC. I understand that when there is a continuous one-year period of non-injection into all wells in an injection or storage project or into a saltwater disposal well or special purpose injection well, authority for that injection automatically terminates. See 19.15.26.12 NMAC. I understand that if I transfer operation of any injection well to another operator, the OCD must approve the transfer or authority to inject, and the OCD may require me to demonstrate the well's mechanical integrity prior to approving that transfer. See 19.15.26.15 NMAC.
9. I am responsible for providing the OCD with my current address of record and emergency contact information, and I am responsible for updating that information when it changes. See 19.15.9.8.C NMAC. I understand that I can update that information on the OCD's website under "Electronic Permitting."
10. If I transfer well operations to another operator, the OCD must approve the change before the new operator can begin operations. See 19.15.9.9(B) NMAC. I remain responsible for the wells and related facilities and all related regulatory filings until the OCD approves the operator change. I understand that the transfer will not relieve me of responsibility or liability for any act or omission which occurred while I operated the wells and related facilities.

Previous Operator		New Operator	
Signature:	Cindy Herrera-Murillo	Signature:	
Printed Name:	Cindy Herrera-Murillo	Printed Name:	Monty Whetstone
Title:	Permitting Specialist	Title:	Vice-President of Operations
Date:	04-21-16 Phone: 575-263-0431	Date:	4/21/16 Phone: 903-561-2900

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

Wells Selected for Transfer

Permit 219883
Permit Status: DRAFT

Wells Selected for Transfer

From:	OGRID:
CHEVRON U S A INC	4323
To:	**OGRID:**
MEWBOURNE OIL CO	14744

OCD District: Artesia

Property	Well	Lease Type	ULSTR	OCD Unit	API	Well Type	Pool ID	Pool Name	Last Prod/Inj	Additional Bonding
315125	WHITE CITY 30 24 27 FEDERAL #001H	F	A-31-24S-27E	A	30-015-43296	O	96415	WILLOW LAKE;BONE SPRING,WEST		0

Total Additional bond	0

NMOCD Approval
Electronic Signature: Karen Sharp, District 2
Date: April 26, 2016

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

CHANGEOP COMMENTS

Operator:	OGRID:
CHEVRON U S A INC Attn: Sandy Stedman-Daniel Houston, TX 77002	4323
	Permit Number: 219883
	Permit Type: ChangeOp

Comments

Created By	Comment	Comment Date
degallegos	Additional bonding required for API: 30-015-22638 $20,000.	4/25/2016
degallegos	Additional bonding required for API: 30-015-22638 $20,000.	4/25/2016

13 5/8" 10M BOPE & Closed Loop Equipment Schematic

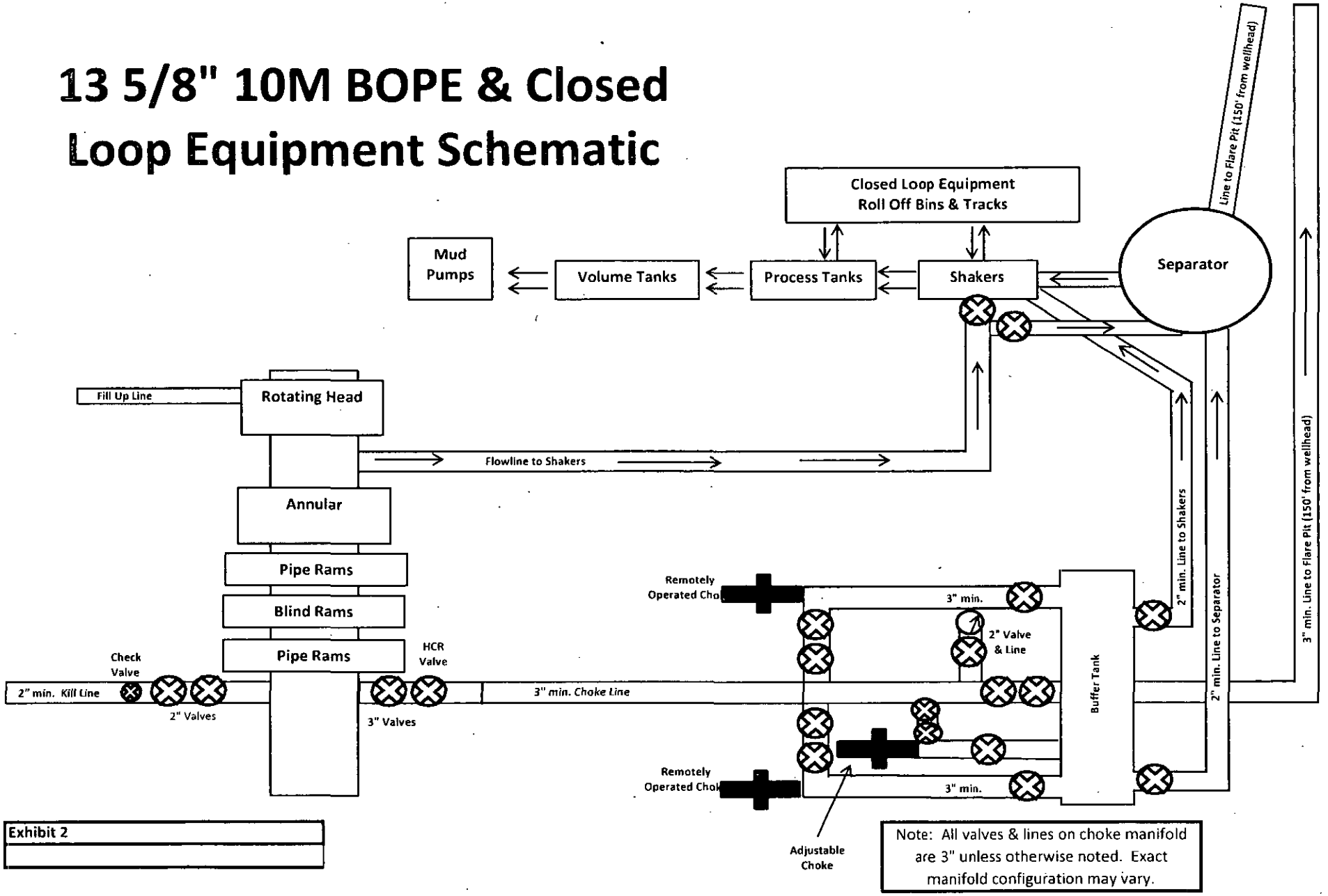

Exhibit 2

Note: All valves & lines on choke manifold are 3" unless otherwise noted. Exact manifold configuration may vary.

OPERATOR'S NAME:	Mewbourne Oil Co
LEASE NO.:	NM0275360
WELL NAME & NO.:	Commodore 30 W2PA Federal #1H
SURFACE HOLE FOOTAGE:	175'/N & 606'/E
BOTTOM HOLE FOOTAGE	330'/N & 330'/E, sec. 23
LOCATION:	Section 31, T. 24 S., R. 27 E., NMPM
COUNTY:	Eddy County, New Mexico

ALL PREVIOUS COA STILL APPLIES, EXCEPT THE FOLLOWING:

I. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

☒ **Eddy County**
Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

1. Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. **If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements**, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. **If the drilling rig is removed without approval – an Incident of Non-Compliance will be written and will be a "Major" violation.**

3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works is located, this does not include the dog house or stairway area.

4. **The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.**

B. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) for Water Basin:
After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Medium Cave/Karst
Possibility of water flows in the Salado and Castile.
Possibility of lost circulation in the Red Beds and Delaware.
Abnormal pressures may exist within the 3rd Bone Spring Sand and Wolfcamp formation.

1. The **13-3/8** inch surface casing shall be set at approximately **450** feet **(in a competent bed below the Magenta Dolomite, which is a Member of the Rustler, and if salt is encountered, set casing at least 25 feet above the salt)** and cemented to the surface.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

    b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.

    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.

    d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

☒ Cement to surface. If cement does not circulate see B.1.a, c-d above. **Excess calculates to 24% - Additional cement may be required.**

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

If cement does not circulate to surface on the intermediate casing, the cement on the production casing must come to surface.

Centralizers required through the curve and a minimum of one every other joint.

3. The minimum required fill of cement behind the **7** inch production casing is:

Operator has proposed DV tool at depth of 4100'. Operator is to submit sundry if DV tool depth varies by more than 100' from approved depth.

a. First stage to DV tool:

☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve approved top of cement on the next stage.

b. Second stage above DV tool:

☒ Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.

Formation below the 7" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe and the mud weight for the bottom of the hole. Report results to BLM office.

4. The minimum required fill of cement behind the **4-1/2** inch production Liner is:

☒ Cement as proposed by operator. Operator shall provide method of verification.

5. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

C. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API 53.

2. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. **Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.** If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).

3. **In the case where the only BOP installed is an annular preventer, it shall be tested to a minimum of 2000 psi (which may require upgrading to 3M or 5M annular).**

4. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **2000 (2M)** psi.

5. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** intermediate casing shoe shall be **10,000 (10M)** psi. **10M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.**

6. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

    a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

    b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**.
    c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2

hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

d. The results of the test shall be reported to the appropriate BLM office.

e. All tests are required to be recorded on a calibrated test chart. **A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.**

f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

g. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the **Wolfcamp** formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

D. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the **Wolfcamp** formation, and shall be used until production casing is run and cemented.

E. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

F. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

TMAK 05132016