Form 3160-3 (June 2015)					APPROV 5. 1004 - 0 nuary 31	137
UNITED STATES DEPARTMENT OF THE II				5. Lease Serial No.		
BUREAU OF LAND MAN				NMNM107374		
APPLICATION FOR PERMIT TO D				6. If Indian, Allotee	or Tribe 1	Name
1a. Type of work: Image: Constraint of the second seco	EENTEF	R		7. If Unit or CA Agr	eement, N	lame and No.
1b. Type of Well: ✓ Oil Well Gas Well	ther			8. Lease Name and '	Well No	
1c. Type of Completion: ☐ Hydraulic Fracturing ✓ Si	ngle Zor	ne Multiple Zone		DELAWARE RANG		B2DM FED C
				1H		
2. Name of Operator MEWBOURNE OIL COMPANY					0154	
3a. Address PO Box 5270, Hobbs, NM 88240		one No. <i>(include area code)</i> 393-5905		10. Field and Pool, or RED BLUFF/RED	-	-
4. Location of Well (Report location clearly and in accordance v	-			11. Sec., T. R. M. or		Survey or Area
At surface NWNW / 205 FNL / 460 FWL / LAT 32.0638				SEC 11/T26S/R28	E/INIVIP	
At proposed prod. zone SWSW / 100 FSL / 545 FWL / L/		35442 / LONG -104.065	0208			10.0
14. Distance in miles and direction from nearest town or post offi 10 miles	.ce*			12. County or Parish EDDY	1	13. State NM
15. Distance from proposed* 210 feet location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No		17. Spacii 640.0	ng Unit dedicated to th	his well	
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 330 feet 			20. BLM/ FED: NN	BIA Bond No. in file		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 2963 feet	22. Ap	proximate date work will s 2020	tart*	23. Estimated durati 60 days	on	
	24. <i>I</i>	Attachments				
The following, completed in accordance with the requirements of (as applicable)	fOnshor	e Oil and Gas Order No. 1,	, and the H	lydraulic Fracturing r	ule per 43	CFR 3162.3-3
 Well plat certified by a registered surveyor. A Drilling Plan. 		4. Bond to cover the Item 20 above).		as unless covered by ar	n existing	bond on file (see
3. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office				mation and/or plans as	may be re	equested by the
25. Signature (Electronic Submission)		Name (Printed/Typed) BRADLEY BISHOP / Ph:	: (575) 39	93-5905	Date 05/29/2	020
Title Regulatory						
Approved by (Signature) (Electronic Submission)		Name (Printed/Typed) Cody Layton / Ph: (575) 2	234-5959		Date 06/18/2	021
Title Assistant Field Manager Lands & Minerals		Office Carlsbad Field Office			1	
Application approval does not warrant or certify that the applicant applicant to conduct operations thereon.	t holds l	legal or equitable title to the	ose rights	in the subject lease w	hich wou	d entitle the
Conditions of approval, if any, are attached.	alza it c	arima for any namon 1	ringly on 4	willfully to make to -	my dame -	mant or against
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, m of the United States any false, fictitious or fraudulent statements of the United States and States					my depar	ment or agency



(Continued on page 2)

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

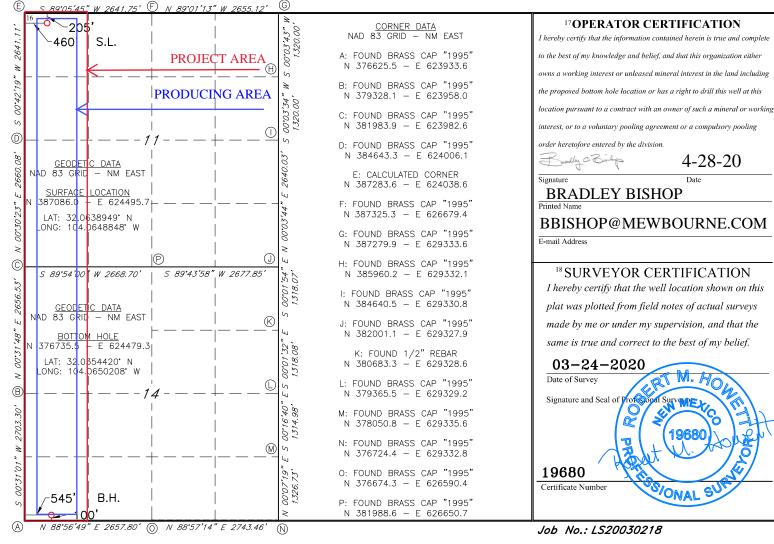
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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

AMENDED REPORT

		W	ELL LO	OCATIO	N AND ACH	REAGE DEDIC	ATION PLA	Т						
30 015 480	API Number			² Pool Code 51010		RED BI	³ Pool Nat		7					
⁴ Property Co				51010	5 Property N	5 Property Name 6 Well Number								
316190DELAWARE RANCH 11/14 B2DM FED COM1H														
7 OGRID NO.8 Operator Name9 Elevation14744MEWBOURNE OIL COMPANY2963'														
	¹⁰ Surface Location													
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/We	est line County					
D	11	26S	28E		205	NORTH	460	WES	ST	EDDY				
			11	Bottom H	ole Location	If Different Fro	om Surface							
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County				
M 14 26S 28E 100 SOUTH 545 WEST										EDDY				
12 Dedicated Acres	13 Joint	or Infill 14 C	Consolidation	Code 15 C	Order No.									
320														

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.



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		Stat	e of New Mex	ico			1. THE					
	E	nergy, Minerals a			nt	Subr Via I	nit Electronically E-permitting					
	Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505											
NATURAL GAS MANAGEMENT PLAN												
This Natural Gas Manag	gement Plan mi	1st be submitted wi	th each Applicati	ion for Permit to D	Drill (APD)	for a new o	r recompleted well.					
			<u>1 – Plan De</u> Tective May 25,									
I. Operator:Mev	I. Operator:Mewbourne Oil CoOGRID:14744Date:6/24/21											
II. Type: 🕅 Original 🛛	□ Amendment	due to □ 19.15.27.	9.D(6)(a) NMAC	C 🗆 19.15.27.9.D(6)(b) NMA	C 🗆 Other.						
If Other, please describe												
III. Well(s): Provide the be recompleted from a s	e following inf ingle well pad	formation for each to a c	new or recomplet entral delivery po	ted well or set of work.	vells propo	sed to be dri	illed or proposed to					
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipa Gas MC		Anticipated roduced Water BBL/D					
Delaware Ranch 11/14 B2DM Fed C	om #1H	D11 26S 28E	205' FNL x 460' FW	1000	3000		3500					
IV. Central Delivery P V. Anticipated Schedu proposed to be recomple	le: Provide the	Delaware Ranch 1 following informa gle well pad or con	tion for each new	or recompleted w		-	7.9(D)(1) NMAC]					
Well Name	API	Spud Date	TD Reached Date	Completion Commencement		nitial Flow Back Date	First Production Date					
Delaware Ranch 11/14 B2DM Fed C	om #1H	8/24/21	9/24/21	10/24/21		11/9/21	11/9/21					
 VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture. VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC. VIII. Best Management Practices: Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance. 												

Section 2 – Enhanced Plan EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

 \Box Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. \Box Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system \Box will \Box will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator \Box does \Box does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

□ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: \Box Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

S Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

 \Box Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. *If Operator checks this box, Operator will select one of the following:*

Well Shut-In.
Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	Bradley Bishop
Printed Name:	BRADLEY BISHOP
Title:	REGULATORY MANAGER
E-mail Address:	BBISHOP@MEWBOURNE.COM
Date:	6/24/21
Phone:	575-393-5905
	OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:	
Title:	
Approval Date:	
Conditions of Ap	pproval:

Mewbourne Oil Company

Natural Gas Management Plan - Attachment

- VI. Separation equipment will be sized by construction engineering staff based on stated manufacturer daily throughput capacities and anticipated daily production rates to ensure adequate capacity. Closed vent system piping, compression needs, and VRUs will be sized utilizing ProMax modelling software to ensure adequate capacity for anticipated production volumes and conditions.
- VII. Mewbourne Oil Company (MOC) will take following actions to comply with the regulations listed in 19.15.27.8 :
 - A. MOC will maximize the recovery of natural gas by minimizing the waste, as defined by 19.15.2 NMAC, of natural gas through venting and flaring. MOC will ensure that well(s) will be connected to a natural gas gathering system with sufficient capacity to transport natural gas. If there is no adequate takeaway for the gas, well(s) will be shut in until the natural gas gathering system is available.
 - B. All drilling operations will be equipped with a rig flare located at least 100 ft from the nearest surface hole. Rig flare will be utilized to combust any natural gas that is brought to surface during normal drilling operations. In the case of emergency venting or flaring the volumes will be estimated and reported appropriately.
 - C. During completion operations any natural gas brought to surface will be flared. Immediately following the finish of completion operations, all well flow will be directed to permanent separation equipment. Produced natural gas from separation equipment will be sent to sales. It is not anticipated that gas will not meet pipeline standards. However, if natural gas does not meet gathering pipeline quality specifications, MOC will flare the natural gas for 60 days or until the natural gas meets the pipeline quality specifications, whichever is sooner. MOC will ensure that the flare is sized properly and is equipped with automatic igniter or continuous pilot. The gas sample will analyzed twice per week and the gas will be routed into a gathering system as soon as pipeline specifications are met.
 - D. Natural gas will not be flared with the exceptions and provisions listed in the 19.15.27.8 D.(1) through (4). If there is no adequate takeaway for the separator gas, well(s) will be shut in until the natural gas gathering system is available with exception of emergency or malfunction situations. Venting and/or flaring volumes will be estimated and reported appropriately.
 - E. MOC will comply with the performance standards requirements and provisions listed in 19.15.27.8 E.(1) through (8). All equipment will be designed and sized to handle maximum anticipated pressures and throughputs in order to minimize the waste. Production storage tanks constructed after May 25, 2021 will be equipped with automatic gauging system. Flares constructed after May 25, 2021 will be equipped with automatic igniter or continuous pilot. Flares will be located at least 100' from the well and storage tanks unless otherwise approved by the division. MOC will conduct AVO inspections as described in 19.15.27.8 E (5) (a) with frequencies specified in 19.15.27.8 E (5) (b) and (c). All emergencies will be resolved as quickly and safely as feasible to minimize waste.
 - F. The volume of natural gas that is vented or flared as the result of malfunction or emergency during drilling and completions operations will be estimated. The volume of natural gas that is vented, flared or beneficially used during production operations, will be measured or estimated. MOC will install equipment to measure

the volume of natural gas flared from existing process piping or a flowline piped from equipment such as high pressure separators, heater treaters, or vapor recovery units associated with a well or facility associated with a well authorized by an APD issued after May 25, 2021 that has an average daily production greater than 60 Mcf/day. If metering is not practicable due to circumstances such as low flow rate or low pressure venting and flaring, MOC will estimate the volume of vented or flared natural gas. Measuring equipment will conform to industry standards and will not be designed or equipped with a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.

VIII. For maintenance activities involving production equipment and compression, venting will be limited to the depressurization of the subject equipment to ensure safe working conditions. For maintenance of production and compression equipment the associated producing wells will be shut in to eliminate venting. For maintenance of VRUs all gas normally routed to the VRU will be routed to flare to eliminate venting.





Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
721025	UNKNOWN	2963	27	27	OTHER : Topsoil	NONE	N
741895	RUSTLER	2533	430	430	ANHYDRITE, DOLOMITE	USEABLE WATER	N
741896	TOP SALT	2208	755	755	SALT	NONE	N
721026	TANSILL	553	2410	2410	DOLOMITE	NATURAL GAS, OIL	N
721030	LAMAR	378	2585	2585	LIMESTONE	NATURAL GAS, OIL	N
721031	BELL CANYON	343	2620	2620	SANDSTONE	NATURAL GAS, OIL	N
721033	MANZANITA	-627	3590	3590	LIMESTONE	NATURAL GAS, OIL	N
721024	BONE SPRING LIME	-3342	6305	6305	LIMESTONE, SHALE	NATURAL GAS, OIL	N
721028	BONE SPRING 2ND	-5032	7995	7995	SANDSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 3M

Rating Depth: 18537

Equipment: Annular, Pipe Ram, Blind Ram

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. Anchors aren't required by manufacturer. A multi-bowl wellhead is being used. See attached schematic

Testing Procedure: 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.

Choke Diagram Attachment:

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_3M_BOPE_Choke_Diagram_20200520163421.pdf

Page 1 of 6

Operator Name: MEWBOURNE OIL COMPANYWell Name: DELAWARE RANCH 11/14 B2DM FED COMWell Number: 1H

 $Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Flex_Line_Specs_API_16C_20200520163421.pdf$

 $Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Flex_Line_Specs_20200520163421.pdf$

BOP Diagram Attachment:

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Multi_Bowl_WH_20200520163435.pdf Delaware_Ranch_11_14_B2DM_Fed_Com_1H_3M_BOPE_Schematic_20200520163435.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	510	0	510	2963	2453	510	H-40	48	ST&C	3.3	7.41	DRY	13.1 5	DRY	22.1
2	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	2510	0	2510	2968	453	2510	J-55	36	LT&C	1.55	2.7	DRY	5.01	DRY	6.24
	PRODUCTI ON	8.75	7.0	NEW	API	N	0	8471	0	8191	2968	-5228	8471	P- 110	26	LT&C	1.89	2.56	DRY	3.15	DRY	3.77
4		6.12 5	4.5	NEW	API	N	7718	18537	7714	8191	-4751	-5228	10819	P- 110	13.5	LT&C	2.51	2.91	DRY	2.31	DRY	2.89

Casing Attachments

Casing ID: 1

String Type:SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Csg_Assumptions_20200520163743.doc

Page 2 of 6

Operator Name: MEWBOURNE OIL COMPANY Well Name: DELAWARE RANCH 11/14 B2DM FED COM Well Number: 1H

Casing Attachments

Casing ID: 2 String Type:INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Csg_Assumptions_20200520163806.doc

Casing ID: 3 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Csg_Assumptions_20200520163837.doc

Casing ID: 4 String Type:LINER

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Csg_Assumptions_20200520163922.doc

Section 4 - Cement

Page 3 of 6

Operator Name: MEWBOURNE OIL COMPANY Well Name: DELAWARE RANCH 11/14 B2DM FED COM W

Well Number: 1H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	321	215	2.12	12.5	456	100	Class C	Salt, Gel, Extender, LCM
SURFACE	Tail		321	510	200	1.34	14.8	268	100	Class C	Retarder
INTERMEDIATE	Lead		0	1858	360	2.12	12.5	763	25	Class C	Salt, Gel, Extender, LCM
INTERMEDIATE	Tail		1858	2510	200	1.34	14.8	268	25	Class C	Retarder
PRODUCTION	Lead	3590	2310	2933	60	2.12	12.5	127	25	Class C	Gel, Retarder, Defoamer, Extender
PRODUCTION	Tail		2933	3590	100	1.34	14.8	134	25	Class C	Retarder
PRODUCTION	Lead	3590	3590	5988	215	2.12	12.5	456	25	Class C	Gel, Retarder, Defoamer, Extender
PRODUCTION	Tail		5988	8471	400	1.18	15.6	472	25	Class H	Retarder, Fluid Loss, Defoamer
LINER	Lead		7718	1853 7	435	2.97	11.2	1292	25	Class C	Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-Settling Agent

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Lost circulation material Sweeps Mud scavengers in surface hole

Describe the mud monitoring system utilized: PVT/Visual Monitoring

Circulating Medium Table

Operator Name: MEWBOURNE OIL COMPANY Well Name: DELAWARE RANCH 11/14 B2DM FED COM

Well Number: 1H

									_		
Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (Ibs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	ΡΗ	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	510	SPUD MUD	8.6	8.8							
510	2510	SALT SATURATED	10	10							
2510	8141	WATER-BASED MUD	8.6	9.7					~		
8141	8191	OIL-BASED MUD	8.6	10							

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Will run GR/CNL in the deeper offset Delaware Ranch 11/14 W1DM Fed Com #1H

List of open and cased hole logs run in the well:

DIRECTIONAL SURVEY, GAMMA RAY LOG, MEASUREMENT WHILE DRILLING, MUD LOG/GEOLOGIC LITHOLOGY LOG,

Coring operation description for the well:

None

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4260

Anticipated Surface Pressure: 2467

Anticipated Bottom Hole Temperature(F): 140

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_H2S_Plan_20200520164759.pdf

Operator Name: MEWBOURNE OIL COMPANY

Well Name: DELAWARE RANCH 11/14 B2DM FED COM Well Number: 1H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Dir_Plan_20200520165011.pdf

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Dir_Plot_20200520165011.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Add_Info_20200520165024.pdf

Other Variance attachment:

Page 6 of 6

Mewbourne Oil Company, Delaware Ranch 11/14 B2DM Fed Com #1H Sec 11, T26S, R28E SL: 205' FNL & 460' FWL, Sec 11 BHL: 100' FSL & 545' FWL, Sec 14

Casing Program

Hole	Casing	Interval	Csg.	Weight	Grad	le C	onn.	SF	SF	SF Jt	SF Body
Size	From	То	Size	(lbs)				Collapse	Burst	Tension	Tension
17.5"	0'	510'	13.375'	' 48	H40	ST	ГС	3.30	7.41	13.15	22.10
12.25"	0'	2510'	9.625"	40	J55	Ľ	ГС	1.55	2.70	5.01	6.24
8.75"	0'	8471'	7"	26	P110	Ľ	ГС	1.89	2.56	3.15	3.77
6.125"	7718'	18,537'	4.5"	13.5	P110	Ľ	ГС	2.51	2.91	2.31	2.89
	BLM Mini	mum Safety F	Factor 1	.125	1	1.6 D	ry	1.6 Dry			
						1.8 W	'et	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	Y
justification (loading assumptions, casing design criteria).	
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the	Y
collapse pressure rating of the casing?	
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.	<u> </u>
Is well located in SOPA but not in R-111-P?	Ν
If yes, are the first 2 strings cemented to surface and 3 rd 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 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(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, Delaware Ranch 11/14 B2DM Fed Com #1H Sec 11, T26S, R28E SL: 205' FNL & 460' FWL, Sec 11 BHL: 100' FSL & 545' FWL, Sec 14

Mewbourne Oil Company, Delaware Ranch 11/14 B2DM Fed Com #1H Sec 11, T26S, R28E SL: 205' FNL & 460' FWL, Sec 11 BHL: 100' FSL & 545' FWL, Sec 14

Casing Program

Hole	Casing	Interval	Csg.	Weight	Grad	le Con	n. SF	SF	SF Jt	SF Body
Size	From	То	Size	(lbs)			Collaps	e Burst	Tension	Tension
17.5"	0'	510'	13.375	48	H40	STC	3.30	7.41	13.15	22.10
12.25"	0'	2510'	9.625"	40	J55	LTC	1.55	2.70	5.01	6.24
8.75"	0'	8471'	7"	26	P110	LTC	1.89	2.56	3.15	3.77
6.125"	7718'	18,537'	4.5"	13.5	P110	LTC	2.51	2.91	2.31	2.89
BLM Minimum Safety Factor 1.125					1	1.6 Dry	1.6 Dry			
						1.8 Wet	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	Y
justification (loading assumptions, casing design criteria).	
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the	Y
collapse pressure rating of the casing?	
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.	<u> </u>
Is well located in SOPA but not in R-111-P?	Ν
If yes, are the first 2 strings cemented to surface and 3 rd 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 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(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, Delaware Ranch 11/14 B2DM Fed Com #1H Sec 11, T26S, R28E SL: 205' FNL & 460' FWL, Sec 11 BHL: 100' FSL & 545' FWL, Sec 14

Mewbourne Oil Company, Delaware Ranch 11/14 B2DM Fed Com #1H Sec 11, T26S, R28E SL: 205' FNL & 460' FWL, Sec 11 BHL: 100' FSL & 545' FWL, Sec 14

Casing Program

Hole	Casing	Interval	Csg.	Weight	t Grad	le	Conn.	SF	SF	SF Jt	SF Body
Size	From	То	Size	(lbs)				Collapse	Burst	Tension	Tension
17.5"	0'	510'	13.375	" 48	H40		STC	3.30	7.41	13.15	22.10
12.25"	0'	2510'	9.625"	40	J55]	LTC	1.55	2.70	5.01	6.24
8.75"	0'	8471'	7"	26	P110]	LTC	1.89	2.56	3.15	3.77
6.125"	7718'	18,537'	4.5"	13.5	P110]	LTC	2.51	2.91	2.31	2.89
BLM Minimum Safety Factor 1.125					1	1.6	Dry	1.6 Dry			
						1.8	Wet	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	Y
justification (loading assumptions, casing design criteria).	
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the	Y
collapse pressure rating of the casing?	
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	1
Is well within the designated 4 string boundary.	1
is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	Ν
If yes, are the first 2 strings cemented to surface and 3 rd 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 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(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, Delaware Ranch 11/14 B2DM Fed Com #1H Sec 11, T26S, R28E SL: 205' FNL & 460' FWL, Sec 11 BHL: 100' FSL & 545' FWL, Sec 14

Mewbourne Oil Company, Delaware Ranch 11/14 B2DM Fed Com #1H Sec 11, T26S, R28E SL: 205' FNL & 460' FWL, Sec 11 BHL: 100' FSL & 545' FWL, Sec 14

Casing Program

Hole	Casing	Interval	Csg.	Weight	Grad	le C	onn.	SF	SF	SF Jt	SF Body
Size	From	То	Size	(lbs)				Collapse	Burst	Tension	Tension
17.5"	0'	510'	13.375'	' 48	H40	ST	ГС	3.30	7.41	13.15	22.10
12.25"	0'	2510'	9.625"	40	J55	Ľ	ГС	1.55	2.70	5.01	6.24
8.75"	0'	8471'	7"	26	P110	Ľ	ГС	1.89	2.56	3.15	3.77
6.125"	7718'	18,537'	4.5"	13.5	P110	Ľ	ГС	2.51	2.91	2.31	2.89
BLM Minimum Safety Factor 1.12					1	1.6 D	ry	1.6 Dry			
						1.8 W	'et	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	Y
justification (loading assumptions, casing design criteria).	
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the	Y
collapse pressure rating of the casing?	
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 3 rd 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 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	<u>† </u>
(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?	+

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Mewbourne Oil Company, Delaware Ranch 11/14 B2DM Fed Com #1H Sec 11, T26S, R28E SL: 205' FNL & 460' FWL, Sec 11 BHL: 100' FSL & 545' FWL, Sec 14

Mewbourne Oil Company

Eddy County, New Mexico NAD 83 Delaware Ranch 11/14 B2DM Fed Com #1H Sec 11, T26S, R28E SHL: 205' FNL & 460' FWL, Sec 11 BHL: 100' FSL & 545' FWL, Sec 14

Plan: Design #1

Standard Planning Report

19 May, 2020

Received by OCD: 6/28/2021 10:33:47 AM

Planning Report

Database:	Hobbs	3			Local Co-ordinate Reference: Site Delaware Ranch 11/14 B2DM Fed					2DM Fed Com
Company: Project: Site:	Eddy Delaw	ourne Oil Com County, New M /are Ranch 11/′	lexico NAD 83	Com #1H	#1H TVD Reference: WELL @ 2991.0usft (Original Well Ele MD Reference: WELL @ 2991.0usft (Original Well Ele North Reference: Grid					
Vell:		1, T26S, R28E			Survey Ca	alculation Met	nod:	Minimum Curvat	ure	
Nellbore:		100' FSL & 545	FWL, Sec 14							
Design:	Desig	n #1								
Project	Eddy C	County, New Me	exico NAD 83							
Map System: Geo Datum: Map Zone:	North Ar	e Plane 1983 nerican Datum xico Eastern Zo			System Da	tum:	Gr	ound Level		
Site	Delawa	are Ranch 11/1	4 B2DM Fed C	om #1H						
Site Position:			North	ing:	387	7,086.00 usft	Latitude:			32.063894
From:	Ma	c	Eastir	-		,496.00 usft	Longitude:			-104.064883
Position Uncer	-			adius:		13-3/16 "	Grid Converg	ence:		0.14
Well	Sec 11.	T26S, R28E								
Well Position	+N/-S).0 usft No	orthing:		387,086.00	usft Lat	itude:		32.063894
	+E/-W			isting:		624,496.00		igitude:		-104.064883
Position Uncer				ellhead Elevati	ion:	2,991.0		ound Level:		2,963.0 us
Wellbore	BHL: 1	100' FSL & 545	' FWL, Sec 14							
		odel Name		• Dete	Dealing		Din A		Fields	04
Magnetics	IVIC	der Name	Sampi	e Date	Declina (°)		Dip A (°	-		Strength nT)
		IGRF2010		12/31/2014		7.36		59.87		48,090
Design	Design	#1								
Audit Notes:										
Version:			Phas	e: P	ROTOTYPE	Tie	On Depth:		0.0	
Vertical Section	n:	C	epth From (T	VD)	+N/-S		/-W		ection	
			(usft)		(usft)		sft)		(°)	
			0.0		0.0	0	.0	18	0.09	
Plan Sections										
Measured			Vertical			Dogleg	Build	Turn		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Rate	Rate	Rate	TFO	
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,550.0	0.00	0.00	2,550.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,714.0	2.46	24.18	2,714.0	3.2	1.4	1.50	1.50	0.00	24.18	
7,554.1	2.46	24.18	7,549.5	192.8	86.6	0.00	0.00	0.00	0.00	
7,718.1	0.00	0.01	7,713.5	196.0	88.0	1.50	-1.50	0.00	180.00	KOP: 10' FNL & 545
8,470.5	90.28	180.57	8,191.0	-283.8	83.2	12.00	12.00	0.00	-179.43	
18,537.3	90.28	180.57	8,141.0	-10,350.0	-17.0	0.00	0.00	0.00	0.00	BHL: 100' FSL & 54

.

Database:	Hobbs	Local Co-ordinate Reference:	Site Delaware Ranch 11/14 B2DM Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 2991.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 2991.0usft (Original Well Elev)
Site:	Delaware Ranch 11/14 B2DM Fed Com #1H	North Reference:	Grid
Well:	Sec 11, T26S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FSL & 545' FWL, Sec 14		
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)
0.1		0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL: 205'	FNL & 460' FWL (*	11)							
100.	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.		0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.		0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.		0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.		0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.		0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
,		0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.			,						
1,200.		0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.		0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.		0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.		0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.		0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.		0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.		0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2 5 0 0	0 0 00	0.00	0.500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.		0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	
2,550.		0.00	2,550.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.		24.18	2,600.0	0.3	0.1	-0.3	1.50	1.50	0.00
2,700.		24.18	2,700.0	2.7	1.2	-2.7	1.50	1.50	0.00
2,714.	0 2.46	24.18	2,714.0	3.2	1.4	-3.2	1.50	1.50	0.00
2,800.	0 2.46	24.18	2,799.9	6.6	3.0	-6.6	0.00	0.00	0.00
2,900.		24.18	2,899.8	10.5	4.7	-10.5	0.00	0.00	0.00
3,000.		24.18	2,999.7	14.4	6.5	-14.4	0.00	0.00	0.00
3,100.		24.18	3,099.6	18.3	8.2	-18.3	0.00	0.00	0.00
3,200.		24.18	3,199.5	22.2	10.0	-22.3	0.00	0.00	0.00
3,300.		24.18	3,299.4	26.2	11.7	-26.2	0.00	0.00	0.00
3,400.		24.18	3,399.3	30.1	13.5	-30.1	0.00	0.00	0.00
3,500.		24.18	3,499.2	34.0	15.3	-34.0	0.00	0.00	0.00
3,600.		24.18	3,599.1	37.9	17.0	-37.9	0.00	0.00	0.00
3,700.	0 2.46	24.18	3,699.0	41.8	18.8	-41.9	0.00	0.00	0.00
3,800.	0 2.46	24.18	3,798.9	45.7	20.5	-45.8	0.00	0.00	0.00
3,800.		24.18	3,798.9 3,898.9	45.7 49.7	20.5	-45.8 -49.7	0.00	0.00	0.00
4,000.							0.00	0.00	0.00
4,000.		24.18	3,998.8	53.6 57.5	24.1	-53.6		0.00	0.00
		24.18	4,098.7	57.5	25.8	-57.5	0.00		
4,200.	0 2.46	24.18	4,198.6	61.4	27.6	-61.5	0.00	0.00	0.00
4,300.	0 2.46	24.18	4,298.5	65.3	29.3	-65.4	0.00	0.00	0.00
4,400.		24.18	4,398.4	69.2	31.1	-69.3	0.00	0.00	0.00
4,500.		24.18	4,498.3	73.2	32.8	-73.2	0.00	0.00	0.00
4,600.		24.18	4,598.2	77.1	34.6	-77.1	0.00	0.00	0.00
4,700.		24.18	4,698.1	81.0	36.4	-81.1	0.00	0.00	0.00
4,800.		24.18	4,798.0	84.9	38.1	-85.0	0.00	0.00	0.00
4,900.	0 2.46	24.18	4,897.9	88.8	39.9	-88.9	0.00	0.00	0.00

5/19/2020 5:24:36PM

Database:	Hobbs	Local Co-ordinate Reference:	Site Delaware Ranch 11/14 B2DM Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 2991.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 2991.0usft (Original Well Elev)
Site:	Delaware Ranch 11/14 B2DM Fed Com #1H	North Reference:	Grid
Well:	Sec 11, T26S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FSL & 545' FWL, Sec 14		
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)
5,000.0	2.46	24.18	4,997.8	92.7	41.6	-92.8	0.00	0.00	0.00
5,100.0	2.46	24.18	5,097.7	96.7	43.4	-96.7	0.00	0.00	0.00
5,200.0	2.46	24.18	5,197.7	100.6	45.2	-100.7	0.00	0.00	0.00
5,300.0	2.46	24.18	5,297.6	104.5	46.9	-104.6	0.00	0.00	0.00
5,400.0	2.46	24.18	5,397.5	108.4	48.7	-108.5	0.00	0.00	0.00
5,500.0	2.46	24.18	5,497.4	112.3	50.4	-112.4	0.00	0.00	0.00
5,600.0	2.46	24.18	5,597.3	116.3	52.2	-116.3	0.00	0.00	0.00
5,700.0	2.46	24.18	5,697.2	120.2	54.0	-120.3	0.00	0.00	0.00
5,800.0	2.46	24.18	5,797.1	124.1	55.7	-124.2	0.00	0.00	0.00
5,900.0	2.46	24.18	5,897.0	128.0	57.5	-128.1	0.00	0.00	0.00
6,000.0	2.46	24.18	5,996.9	131.9	59.2	-132.0	0.00	0.00	0.00
6,100.0	2.46	24.18	6,096.8	135.8	61.0	-135.9	0.00	0.00	0.00
6,200.0	2.46	24.18	6,196.7	139.8	62.7	-139.9	0.00	0.00	0.00
6,300.0	2.46	24.18	6,296.6	143.7	64.5	-143.8	0.00	0.00	0.00
6,400.0	2.46	24.18	6,396.6	147.6	66.3	-147.7	0.00	0.00	0.00
6,500.0	2.46	24.18	6,496.5	151.5	68.0	-151.6	0.00	0.00	0.00
6,600.0	2.46	24.18	6,596.4	155.4	69.8	-155.5	0.00	0.00	0.00
6,700.0	2.46	24.18	6,696.3	159.3	71.5	-159.5	0.00	0.00	0.00
6,800.0	2.46	24.18	6,796.2	163.3	73.3	-163.4	0.00	0.00	0.00
6,900.0	2.46	24.18	6,896.1	167.2	75.1	-167.3	0.00	0.00	0.00
7,000.0	2.46	24.18	6,996.0	171.1	76.8	-171.2	0.00	0.00	0.00
7,100.0	2.46	24.18	7,095.9	175.0	78.6	-175.1	0.00	0.00	0.00
7,200.0	2.46	24.18	7,195.8	178.9	80.3	-179.1	0.00	0.00	0.00
7,300.0	2.46	24.18	7,295.7	182.8	82.1	-183.0	0.00	0.00	0.00
7,400.0	2.46	24.18	7,395.6	186.8	83.8	-186.9	0.00	0.00	0.00
7,500.0	2.46	24.18	7,495.5	190.7	85.6	-190.8	0.00	0.00	0.00
7,554.1	2.46	24.18	7,549.5	192.8	86.6	-192.9	0.00	0.00	0.00
7,600.0	1.77	24.18	7,595.5	194.3	87.3	-194.5	1.50	-1.50	0.00
7,700.0	0.27	24.18	7,695.4	196.0	88.0	-196.1	1.50	-1.50	0.00
7,718.1	0.00	0.01	7,713.5	196.0	88.0	-196.1	1.50	-1.50	0.00
KOP: 10' FN	IL & 545' FWL (1 ⁴								
7,800.0	9.83	180.57	7,795.0	189.0	87.9	-189.1	12.00	12.00	0.00
7,900.0	21.83	180.57	7,891.1	161.8	87.7	-161.9	12.00	12.00	0.00
8,000.0	33.83	180.57	7,979.3	115.2	87.2	-115.3	12.00	12.00	0.00
8,017.8	35.96	180.57	7,993.9	105.0	87.1	-105.2	12.00	12.00	0.00
	NL & 545' FWL (1								
8,100.0	45.83	180.57	8,056.0	51.2	86.6	-51.4	12.00	12.00	0.00
8,200.0	57.83	180.57	8,117.7	-27.2	85.8	27.1	12.00	12.00	0.00
8,300.0	69.83	180.57	8,161.7	-116.8	84.9	116.7	12.00	12.00	0.00
8,400.0	81.83	180.57	8,186.2	-213.6	83.9	213.4	12.00	12.00	0.00
8,470.5	90.28	180.57	8,191.0	-283.8	83.2	283.7	12.00	12.00	0.00
LP: 294' FN	L & 545' FWL (11)							
8,500.0	90.28	180.57	8,190.9	-313.3	82.9	313.2	0.01	0.01	0.00
8,600.0	90.28	180.57	8,190.4	-413.3	81.9	413.2	0.00	0.00	0.00
8,700.0	90.28	180.57	8,189.9	-513.3	80.9	513.2	0.00	0.00	0.00
8,800.0	90.28	180.57	8,189.4	-613.3	79.9	613.2	0.00	0.00	0.00
8,900.0	90.28	180.57	8,188.9	-713.3	78.9	713.2	0.00	0.00	0.00
9,000.0	90.28	180.57	8,188.4	-813.3	78.0	813.2	0.00	0.00	0.00
9,100.0	90.28	180.57	8,187.9	-913.3	77.0	913.2	0.00	0.00	0.00
9,200.0	90.28	180.57	8,187.4	-1,013.3	76.0	1,013.2	0.00	0.00	0.00
9,300.0	90.28	180.57	8,186.9	-1,113.3	75.0	1,113.2	0.00	0.00	0.00
9,400.0	90.28	180.57	8,186.4	-1,213.3	74.0	1,213.2	0.00	0.00	0.00
3,400.0	50.20	100.57	0,100.4	-1,210.0	74.0	1,213.2	0.00	0.00	0.00

.

Company: Mewbourne Oil Company TVD Reference: WELL @ 2991.0usft (Original Well Elev) Project: Eddy County, New Mexico NAD 83 MD Reference: WELL @ 2991.0usft (Original Well Elev) Site: Delaware Ranch 11/14 B2DM Fed Com #1H North Reference: Grid Well: Sec 11, T26S, R28E Survey Calculation Method: Minimum Curvature Wellbore: BHL: 100' FSL & 545' FWL, Sec 14 Sec 14 Sec 14	Database:	Hobbs	Local Co-ordinate Reference:	Site Delaware Ranch 11/14 B2DM Fed Com #1H
Site: Delaware Ranch 11/14 B2DM Fed Com #1H North Reference: Grid Well: Sec 11, T26S, R28E Survey Calculation Method: Minimum Curvature Wellbore: BHL: 100' FSL & 545' FWL, Sec 14 Survey Calculation Method: Minimum Curvature	Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 2991.0usft (Original Well Elev)
Well: Sec 11, T26S, R28E Survey Calculation Method: Minimum Curvature Wellbore: BHL: 100' FSL & 545' FWL, Sec 14 FWL Minimum Curvature	Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 2991.0usft (Original Well Elev)
Wellbore: BHL: 100' FSL & 545' FWL, Sec 14	Site:	Delaware Ranch 11/14 B2DM Fed Com #1H	North Reference:	Grid
	Well:	Sec 11, T26S, R28E	Survey Calculation Method:	Minimum Curvature
	Wellbore:	BHL: 100' FSL & 545' FWL, Sec 14		
Design: Design #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)
9,500.0	90.28	180.57	8,185.9	-1,313.3	73.0	1,313.2	0.00	0.00	0.00
9,600.0	90.28	180.57	8,185.4	-1,413.3	72.0	1,413,1	0.00	0.00	0.00
9,700.0	90.28	180.57	8,184.9	-1,513.3	71.0	1,513.1	0.00	0.00	0.00
9,800.0	90.28	180.57	8,184.4	-1,613.3	70.0	1,613.1	0.00	0.00	0.00
9,900.0	90.28	180.57	8,183.9	-1,713.2	69.0	1,713.1	0.00	0.00	0.00
10,000.0	90.28	180.57	8,183.4	-1,813.2	68.0	1,813.1	0.00	0.00	0.00
10,100.0	90.28	180.57	8,182.9	-1,913.2	67.0	1,913.1	0.00	0.00	0.00
10,200.0	90.28	180.57	8,182.4	-2,013.2	66.0	2,013.1	0.00	0.00	0.00
10,300.0	90.28	180.57	8,181.9	-2,113.2	65.0	2,113.1	0.00	0.00	0.00
10,400.0	90.28	180.57	8,181.4	-2,213.2	64.0	2,213.1	0.00	0.00	0.00
10,500.0	90.28	180.57	8,180.9	-2,313.2	63.0	2,313.1	0.00	0.00	0.00
10,600.0	90.28	180.57	8,180.4	-2,413.2	62.0	2,413.1	0.00	0.00	0.00
10,700.0	90.28	180.57	8,179.9	-2,513.2	61.0	2,513.1	0.00	0.00	0.00
10,800.0	90.28	180.57	8,179.4	-2,613.2	60.0	2,613.1	0.00	0.00	0.00
10,900.0	90.28	180.57	8,178.9	-2,713.2	59.0	2,713.1	0.00	0.00	0.00
11,000.0	90.28	180.57	8,178.4	-2,813.2	58.0	2,813.1	0.00	0.00	0.00
11,100.0	90.28	180.57	8,177.9	-2,913.2	57.0	2,913.1	0.00	0.00	0.00
11,200.0	90.28	180.57	8,177.4	-3,013.2	56.0	3,013.1	0.00	0.00	0.00
11,300.0	90.28	180.57	8,176.9	-3,113.2	55.1	3,113.1	0.00	0.00	0.00
11,400.0	90.28	180.57	8,176.4	-3,213.2	54.1	3,213.1	0.00	0.00	0.00
11,500.0	90.28	180.57	8,176.0	-3,313.1	53.1	3,313.1	0.00	0.00	0.00
11,600.0	90.28	180.57	8,175.5	-3,413.1	52.1	3,413.1	0.00	0.00	0.00
11,700.0	90.28	180.57	8,175.0	-3,513.1	51.1	3,513.0	0.00	0.00	0.00
11,800.0	90.28	180.57	8,174.5	-3,613.1	50.1	3,613.0	0.00	0.00	0.00
11,900.0	90.28	180.57	8,174.0	-3,713.1	49.1	3,713.0	0.00	0.00	0.00
12,000.0	90.28	180.57	8,173.5	-3,813.1	48.1	3,813.0	0.00	0.00	0.00
12,100.0	90.28	180.57	8,173.0	-3,913.1	47.1	3,913.0	0.00	0.00	0.00
12,200.0 12,300.0	90.28 90.28	180.57 180.57	8,172.5 8,172.0	-4,013.1 -4,113.1	46_1 45_1	4,013.0 4,113.0	0.00 0.00	0.00 0.00	0.00 0.00
12,400.0	90.28	180.57	8,171.5	-4,213.1	44.1	4,213.0	0.00	0.00	0.00
12,500.0	90.28	180.57	8,171.0	-4,313.1	43.1	4,313.0	0.00	0.00	0.00
12,600.0	90.28	180.57	8,170.5	-4,413.1	42.1	4,413.0	0.00	0.00	0.00
12,700.0	90.28	180.57	8,170.0	-4,513.1	41.1	4,513.0	0.00	0.00	0.00
12,800.0	90.28	180.57	8,169.5	-4,613.1	40.1	4,613.0	0.00	0.00	0.00
12,900.0	90.28	180.57	8,169.0	-4,713.1	39.1	4,713.0	0.00	0.00	0.00
13,000.0	90.28	180.57	8,168.5	-4,813.1	38.1	4,813.0	0.00	0.00	0.00
13,100.0	90.28	180.57	8,168.0	-4,913.0	37.1	4,913.0	0.00	0.00	0.00
13,200.0	90.28	180.57	8,167.5	-5,013.0	36.1	5,013.0	0.00	0.00	0.00
13,300.0	90.28	180.57	8,167.0	-5,113.0	35.1	5,113.0	0.00	0.00	0.00
13,400.0	90.28	180.57	8,166.5	-5,213.0	34.1	5,213.0	0.00	0.00	0.00
13,500.0	90.28	180.57	8,166.0	-5,313.0	33.2	5,313.0	0.00	0.00	0.00
13,600.0	90.28	180.57	8,165.5	-5,413.0	32.2	5,413.0	0.00	0.00	0.00
13,700.0	90.28	180.57	8,165.0	-5,513.0	31.2	5,513.0	0.00	0.00	0.00
13,800.0	90.28	180.57	8,164.5	-5,613.0	30.2	5,612.9	0.00	0.00	0.00
13,900.0	90.28	180.57	8,164.0	-5,713.0	29.2	5,712.9	0.00	0.00	0.00
14,000.0	90.28	180.57	8,163.5	-5,813.0	28.2	5,812.9	0.00	0.00	0.00
14,100.0	90.28	180.57	8,163.0	-5,913.0	27.2	5,912.9	0.00	0.00	0.00
14,200.0	90.28	180.57	8,162.5	-6,013.0	26.2	6,012.9	0.00	0.00	0.00
14,300.0	90.28	180.57	8,162.0	-6,113.0	25.2	6,112.9	0.00	0.00	0.00
14,400.0	90.28	180.57	8,161.5	-6,213.0	24.2	6,212.9	0.00	0.00	0.00
14,500.0	90.28	180.57	8,161.1	-6,313.0	23.2	6,312.9	0.00	0.00	0.00
14,600.0	90.28	180.57	8,160.6	-6,413.0	22.2	6,412.9	0.00	0.00	0.00
14,700.0	90.28	180.57	8,160.1	-6,513.0	21.2	6,512.9	0.00	0.00	0.00
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5/19/2020 5:24:36PM

Company:Mewbourne Oil CompanyTVD Reference:WELL@ 2991.0usft (Original Well Elev)Project:Eddy County, New Mexico NAD 83MD Reference:WELL@ 2991.0usft (Original Well Elev)Site:Delaware Ranch 11/14 B2DM Fed Com #1HNorth Reference:GridWell:Sec 11, T26S, R28ESurvey Calculation Method:Minimum CurvatureWellbore:BHL: 100' FSL & 545' FWL, Sec 14Sec 991.0usft (Original Well Elev)Design:Design #1CompanyDesign #1	Database:	Hobbs	Local Co-ordinate Reference:	Site Delaware Ranch 11/14 B2DM Fed Com #1H
Site: Delaware Ranch 11/14 B2DM Fed Com #1H North Reference: Grid Well: Sec 11, T26S, R28E Survey Calculation Method: Minimum Curvature Wellbore: BHL: 100' FSL & 545' FWL, Sec 14 Survey Calculation Method: Minimum Curvature	Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 2991.0usft (Original Well Elev)
Well: Sec 11, T26S, R28E Survey Calculation Method: Minimum Curvature Wellbore: BHL: 100' FSL & 545' FWL, Sec 14 Minimum Curvature	Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 2991.0usft (Original Well Elev)
Wellbore: BHL: 100' FSL & 545' FWL, Sec 14	Site:	Delaware Ranch 11/14 B2DM Fed Com #1H	North Reference:	Grid
	Well:	Sec 11, T26S, R28E	Survey Calculation Method:	Minimum Curvature
Design #1	Wellbore:	BHL: 100' FSL & 545' FWL, Sec 14		
	Design:	Design #1		

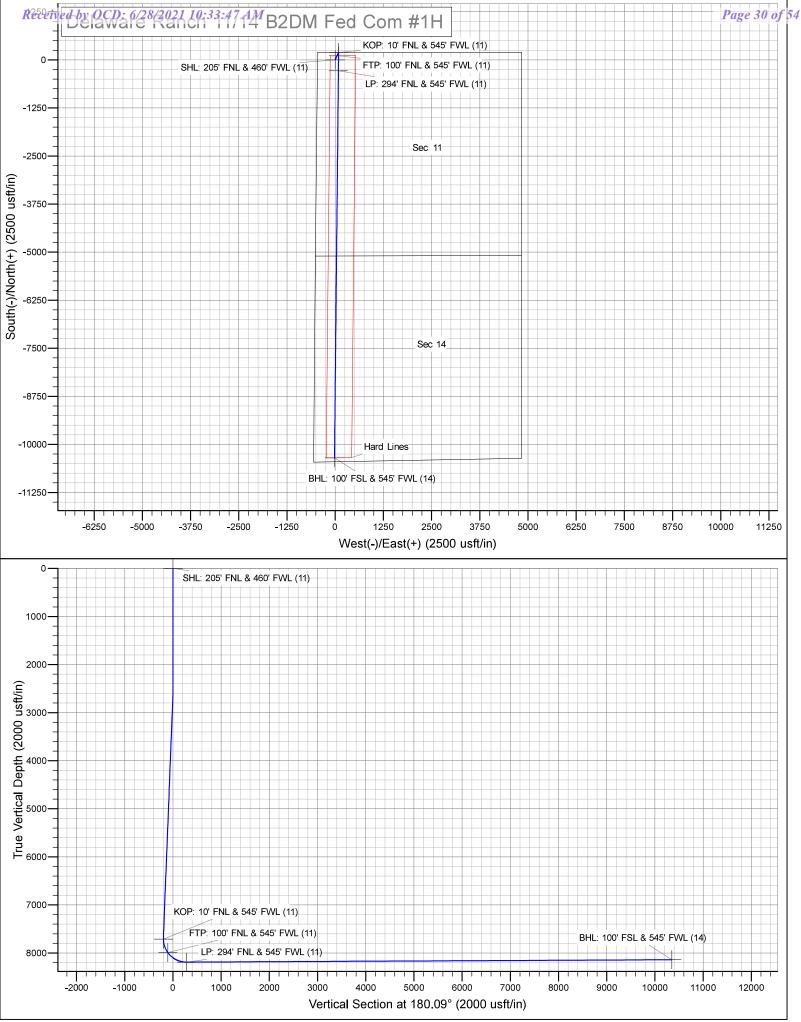
Planned Survey

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)
14,800.0	90.28	180.57	8,159.6	-6,612.9	20.2	6,612.9	0.00	0.00	0.00
14,900.0	90.28	180.57	8,159.1	-6,712.9	19.2	6,712.9	0.00	0.00	0.00
15,000.0	90.28	180.57	8,158.6	-6,812.9	18.2	6,812.9	0.00	0.00	0.00
15,100.0	90.28	180.57	8,158.1	-6,912.9	17.2	6,912.9	0.00	0.00	0.00
15,200.0	90.28	180.57	8,157.6	-7,012.9	16.2	7,012.9	0.00	0.00	0.00
15,300.0	90.28	180.57	8,157.1	-7,112.9	15.2	7,112.9	0.00	0.00	0.00
15,400.0	90.28	180.57	8,156.6	-7,212.9	14.2	7,212.9	0.00	0.00	0.00
15,500.0	90.28	180.57	8,156.1	-7,312.9	13.2	7,312.9	0.00	0.00	0.00
15,600.0	90.28	180.57	8,155.6	-7,412.9	12.2	7,412.9	0.00	0.00	0.00
15,700.0	90.28	180.57	8,155.1	-7,512.9	11.2	7,512.9	0.00	0.00	0.00
15,800.0	90.28	180.57	8,154.6	-7,612.9	10.3	7,612.9	0.00	0.00	0.00
15,900.0	90.28	180.57	8,154.1	-7,712.9	9.3	7,712.9	0.00	0.00	0.00
16,000.0	90.28	180.57	8,153.6	-7,812.9	8.3	7,812.8	0.00	0.00	0.00
16,100.0	90.28	180.57	8,153.1	-7,912.9	7.3	7,912.8	0.00	0.00	0.00
16,200.0	90.28	180.57	8,152.6	-8,012.9	6.3	8,012.8	0.00	0.00	0.00
16,300.0	90.28	180.57	8,152.1	-8,112.9	5.3	8,112.8	0.00	0.00	0.00
16,400.0	90.28	180.57	8,151.6	-8,212.8	4.3	8,212.8	0.00	0.00	0.00
16,500.0	90.28	180.57	8,151.1	-8,312.8	3.3	8,312.8	0.00	0.00	0.00
16,600.0	90.28	180.57	8,150.6	-8,412.8	2.3	8,412.8	0.00	0.00	0.00
16,700.0	90.28	180.57	8,150.1	-8,512.8	1.3	8,512.8	0.00	0.00	0.00
16,800.0	90.28	180.57	8,149.6	-8,612.8	0.3	8,612.8	0.00	0.00	0.00
16,900.0	90.28	180.57	8,149.1	-8,712.8	-0.7	8,712.8	0.00	0.00	0.00
17,000.0	90.28	180.57	8,148.6	-8,812.8	-1.7	8,812.8	0.00	0.00	0.00
17,100.0	90.28	180.57	8,148.1	-8,912.8	-2.7	8,912.8	0.00	0.00	0.00
17,200.0	90.28	180.57	8,147.6	-9,012.8	-3.7	9,012.8	0.00	0.00	0.00
17,288.3	90.28	180.57	8,147.2	-9,101.1	-4.6	9,101.1	0.00	0.00	0.00
PPP2: 1349'	FSL & 545' FWL	. (14)							
17,300.0	90.28	180.57	8,147.1	-9,112.8	-4.7	9,112.8	0.00	0.00	0.00
17,400.0	90.28	180.57	8,146.6	-9,212.8	-5.7	9,212.8	0.00	0.00	0.00
17,500.0	90.28	180.57	8,146.2	-9,312.8	-6.7	9,312.8	0.00	0.00	0.00
17,600.0	90.28	180.57	8,145.7	-9,412.8	-7.7	9,412.8	0.00	0.00	0.00
17,700.0	90.28	180.57	8,145.2	-9,512.8	-8.7	9,512.8	0.00	0.00	0.00
17,800.0	90.28	180.57	8,144.7	-9,612.8	-9.7	9,612.8	0.00	0.00	0.00
17,900.0	90.28	180.57	8,144.2	-9,712.8	-10.7	9,712.8	0.00	0.00	0.00
18,000.0	90.28	180.57	8,143.7	-9,812.7	-11.7	9,812.8	0.00	0.00	0.00
18,100.0	90.28	180.57	8,143.2	-9,912.7	-12.6	9,912.7	0.00	0.00	0.00
18,200.0	90.28	180.57	8,142.7	-10,012.7	-13.6	10,012.7	0.00	0.00	0.00
18,300.0	90.28	180.57	8,142.2	-10,112.7	-14.6	10,112.7	0.00	0.00	0.00
18,400.0	90.28	180.57	8,141.7	-10,212.7	-15.6	10,212.7	0.00	0.00	0.00
18,500.0	90.28	180.57	8,141.2	-10,312.7	-16.6	10,312.7	0.00	0.00	0.00
18,537.3	90.28	180.57	8,141.0	-10,350.0	-17.0	10,350.0	0.00	0.00	0.00
	SL & 545' FWL (1								

Database:	Hobbs	Local Co-ordinate Reference:	Site Delaware Ranch 11/14 B2DM Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 2991.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 2991.0usft (Original Well Elev)
Site:	Delaware Ranch 11/14 B2DM Fed Com #1H	North Reference:	Grid
Well:	Sec 11, T26S, R28E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FSL & 545' FWL, Sec 14		
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
SHL: 205' FNL & 460' F∖ - plan hits target cento - Point	0.00 er	0.00	0.0	0.0	0.0	387,086.00	624,496.00	32.0638949	-104.0648839
KOP: 10' FNL & 545' FV - plan hits target cente - Point	0.00 er	0.01	7,713.5	196.0	88.0	387,282.00	624,584.00	32.0644331	-104.0645982
FTP: 100' FNL & 545' Fv - plan hits target cente - Point	0.00 er	0.00	7,993.9	105.0	87.1	387,191.00	624,583.10	32.0641830	-104.0646019
BHL: 100' FSL & 545' Fv - plan hits target cente - Point	0.00 er	0.00	8,141.0	-10,350.0	-17.0	376,736.00	624,479.00	32.0354434	-104.0650218
PPP2: 1349' FSL & 545' - plan hits target cente - Point	0.00 er	0.00	8,147.2	-9,101.1	-4.6	377,984.90	624,491.44	32.0388765	-104.0649716
LP: 294' FNL & 545' FWI - plan hits target cente - Point	0.00 er	0.00	8,191.0	-283.8	83.2	386,802.20	624,579.23	32.0631142	-104.0646175



Intent X	As Drilled
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Α	P	#

Operator Name:	Property Name:	Well Number
Mewbourne Oil Co.	Delaware Ranch 11/14 B2DM Fed Com	1H

Kick Off Point (KOP)

UL D	Section 11	Township 26S	Range 28E	Lot	Feet 10	From N/S N	Feet 545	From E/W W	County Eddy
Latitu	Latitude				Longitude		NAD		
32.0	32.0644331			-104.064	5982	83			

First Take Point (FTP)

UL D	Section 11	Township 26S	Range 28E	Lot	Feet 100	From N/S N	Feet 545	From E/W W	County Eddy
	Latitude 32.0641830				Longitude -104.064	l6019			NAD 83

Last Take Point (LTP)

UL M	Section 14	Township 26S	Range 28E	Lot	Feet 100	From N/S N	Feet 545	From E/W W	County Eddy
Latitude				Longitud			NAD		
32.0)35442	20			-104.0	0650208			83

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

Is this well an infill well?

Ν

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

API #		
Operator Name:	 Property Name:	Well Number

KZ 06/29/2018

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Mewbourne Oil Company
LEASE NO.:	NMNM107374
WELL NAME & NO.:	DELAWARE RANCH 11-14 B2DM FED COM 1H
SURFACE HOLE FOOTAGE:	205'/N & 460'/W
BOTTOM HOLE FOOTAGE	100'/S & 545'/W
LOCATION:	Section 11, T.26 S., R.28 E., NMP
COUNTY:	Eddy County, New Mexico

COA

H2S	© Yes	• No	
Potash	None	© Secretary	© R-111-P
Cave/Karst Potential	C Low	[©] Medium	High
Cave/Karst Potential	Critical		
Variance	© None	Flex Hose	© Other
Wellhead	Conventional	Multibowl	© Both
Other	4 String Area	Capitan Reef	□ WIPP
Other	Fluid Filled	Cement Squeeze	Pilot Hole
Special Requirements	T Water Disposal	COM	🗖 Unit

A. HYDROGEN SULFIDE

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.

B. CASING

Casing Design:

- 1. The **13-3/8** inch surface casing shall be set at approximately **250** feet (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite and 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.

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- b. Wait on cement (WOC) time for a primary cement job will be a minimum of $\underline{\mathbf{8}}$ <u>hours</u> or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
- 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 which shall be set at approximately **2510** feet is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
 - In <u>High Cave/Karst Areas</u> if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
- 3. The minimum required fill of cement behind the 7 inch production casing is:

Option 1 (Single Stage):

 Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.
 Excess cement calculates to 0%, additional cement might be required.

Option 2:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. Second stage above DV tool:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

- 4. The minimum required fill of cement behind the 4-1/2 inch production liner is:
 - Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.

C. PRESSURE CONTROL

- 1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
- 2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Carlsbad Field Office, 620 E Greene St. Carlsbad, New Mexico 88220, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. <u>When the Communitization Agreement number is known, it shall also be on the sign.</u>

GENERAL 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
 - Lea County
 Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 393-3612
- 1. 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.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
- 2. 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 are located, this does not include the dog house or stairway area.
- 3. 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.

A. CASING

- 1. 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.
- <u>Wait on cement (WOC) for Potash Areas:</u> 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 for all cement blends, 2) until cement has been in place at least <u>24</u> <u>hours</u>. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. <u>Wait on cement (WOC) for Water Basin:</u> 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 <u>8 hours</u>. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. 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. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. 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.
- 8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. 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 RP 53 Sec. 17.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. 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.
- 3. 5M or higher 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.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. 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

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hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

- b. In potash areas, 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. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. 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.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. 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.
- g. 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.
- h. 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.

Approval Date: 06/18/2021

C. 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.

D. 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.

OTA03312021

Approval Date: 06/18/2021

Hydrogen Sulfide Drilling Operations Plan Mewbourne Oil Company

1. General Requirements

Rule 118 does not apply to this well because MOC has researched this area and no high concentrations of H2S were found. MOC will have on location and working all H2S safety equipment before the Delaware formation for purposes of safety and insurance requirements.

2. Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will have received training from a qualified instructor in the following areas prior to entering the drilling pad area of the well:

- 1. The hazards and characteristics of hydrogen sulfide gas.
- 2. The proper use of personal protective equipment and life support systems.
- 3. The proper use of hydrogen sulfide detectors, alarms, warning systems, briefing areas, evacuation procedures.
- 4. The proper techniques for first aid and rescue operations.

Additionally, supervisory personnel will be trained in the following areas:

- 1 The effects of hydrogen sulfide on metal components. If high tensile tubular systems are utilized, supervisory personnel will be trained in their special maintenance requirements.
- 2 Corrective action and shut in procedures, blowout prevention, and well control procedures while drilling a well.
- 3 The contents of the Hydrogen Sulfide Drilling Operations Plan.

There will be an initial training session prior to encountering a know hydrogen sulfide source. The initial training session shall include a review of the site specific Hydrogen Sulfide Drilling Operations Plan.

3. Hydrogen Sulfide Safety Equipment and Systems

All hydrogen sulfide safety equipment and systems will be installed, tested, and operational prior to drilling below the 9 5/8" intermediate casing.

- 1. <u>Well Control Equipment</u>
 - A. Choke manifold with minimum of one adjustable choke/remote choke.
 - B. Blowout preventers equipped with blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
 - C. Auxiliary equipment including annular type blowout preventer.
- 2. <u>Protective Equipment for Essential Personnel</u>

Thirty minute self contained work unit located in the dog house and at briefing areas.

Additionally: If H2S is encountered in concentrations less than 10 ppm, fans will be placed in work areas to prevent the accumulation of hazardous amounts of poisonous gas. If higher concentrations of H2S are detected the well will be shut in and a rotating head, mud/gas separator, remote choke and flare line with igniter will be installed.

3. <u>Hydrogen Sulfide Protection and Monitoring Equipment</u>

Two portable hydrogen sulfide monitors positioned on location for optimum coverage and detection. The units shall have audible sirens to notify personnel when hydrogen sulfide levels exceed 20 PPM.

4. <u>Visual Warning Systems</u>

A. Wind direction indicators as indicated on the wellsite diagram.B. Caution signs shall be posted on roads providing access to location. Signs shall be painted a high visibility color with lettering of sufficient size to be readable at reasonable distances from potentially contaminated areas.

4. Mud Program

The mud program has been designed to minimize the amount of hydrogen sulfide entrained in the mud system. Proper mud weight, safe drilling practices, and the use of hydrogen sulfide scavengers will minimize hazards while drilling the well.

5. Metallurgy

All tubular systems, wellheads, blowout preventers, drilling spools, kill lines, choke manifolds, and valves shall be suitable for service in a hydrogen sulfide environment when chemically treated.

6. Communications

State & County Officials phone numbers are posted on rig floor and supervisors trailer. Communications in company vehicles and toolpushers are either two way radios or cellular phones.

7. Well Testing

Drill stem testing is not an anticipated requirement for evaluation of this well. If a drill stem test is required, it will be conducted with a minimum number of personnel in the immediate vicinity. The test will be conducted during daylight hours only.

8. Emergency Phone Numbers

Eddy County Sheriff's Office911 or 575-887-7551Ambulance Service911 or 575-885-2111Carlsbad Fire Dept911 or 575-885-2111Loco Hills Volunteer Fire Dept.911 or 575-677-3266Closest Medical Facility - Columbia Medical Center of Carlsbad575-492-5000

Mewbourne Oil Company	Hobbs District Office Fax 2 nd Fax	575-393-5905 575-397-6252 575-393-7259
District Manager	Robin Terrell	575-390-4816
Drilling Superintendent	Frosty Lathan	575-390-4103
	Bradley Bishop	575-390-6838
Drilling Foreman	Wesley Noseff	575-441-0729

Received by OCD: 6/28/2021 10	.55.4/ /111		ige 42 of
Operator Name: MEWBOU			
Well Name: DELAWARE RA	NCH 11/14 B2DM FED COM W	/ell Number: 1H	
Safe containmant attachme	nt:		
Waste disposal type: HAUL	TO COMMERCIAL Disposal lo	cation ownership: PRIVATE	
FACILITY Disposal type description:			
Disposal location description HWY 62/180, Sec. 27 T20		sal locations are CRI or Lea Land, both facilities are	located
Naste type: SEWAGE			
Waste content description:	Human waste & grey water		
Amount of waste: 1500	gallons		
Waste disposal frequency :	Weekly		
Safe containment descripti	on: 2,000 gallon plastic container		
Safe containmant attachme	nt:		
Waste disposal type: HAUL FACILITY Disposal type description:	TO COMMERCIAL Disposal lo	cation ownership: PRIVATE	
Disposal location description	on: City of Carlsbad Water Treatme	nt facility	
Waste type: GARBAGE			
Waste content description:	Garbage & trash		
Amount of waste: 1500	pounds		
Waste disposal frequency :	One Time Only		
Safe containment descripti	on: Enclosed trash trailer		
Safe containmant attachme	nt:		
Waste disposal type: HAUL FACILITY Disposal type description:	TO COMMERCIAL Disposal lo	cation ownership: PRIVATE	
	on: Waste Management facility in C	arlsbad	
	Reserve Pit		
Reserve Pit being used? No			
	luced water into reserve pit? NO		
Reserve pit length (ft.)	Reserve pit width (ft.)		
Reserve pit depth (ft.)		erve pit volume (cu. yd.)	
Is at least 50% of the reserv	e pir in cur.		
Reserve pit liner	and installation description		
xeserve pit liner specificati	ons and installation description		
		Page 5 of	11

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Operator Name: MEWBOURNE OIL COMPANY

Well Name: DELAWARE RANCH 11/14 B2DM FED COM Well Number: 1H

Cuttings Area being used? NO Are you storing cuttings on location? N Description of cuttings location Cuttings area length (ft.) Cuttings area depth (ft.) Is at least 50% of the cuttings area in cut? WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

DelawareRanch11_14B2DMFedCom1H_wellsitelayout_20200421140353.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: DELAWARE RANCH 11/14 W1DM & B2DM FED COM WELLS Multiple Well Pad Number: 3

Cuttings area width (ft.)

Cuttings area volume (cu. yd.)

Recontouring attachment:

Drainage/Erosion control construction: None

Drainage/Erosion control reclamation: None



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT Drilling Plan Data Report

06/24/2021

APD ID: 10400056485Submission Date: 05/29/2020Highlighted data
reflects the most
recent changesOperator Name: MEWBOURNE OIL COMPANYWell Number: 1HShow Final TextWell Name: DELAWARE RANCH 11/14 B2DM FED COMWell Work Type: DrillShow Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
721025	UNKNOWN	2963	27	27	OTHER : Topsoil	NONE	N
741895	RUSTLER	2533	430	430	ANHYDRITE, DOLOMITE	USEABLE WATER	N
741896	TOP SALT	2208	755	755	SALT	NONE	N
721026	TANSILL	553	2410	2410	DOLOMITE	NATURAL GAS, OIL	N
721030	LAMAR	378	2585	2585	LIMESTONE	NATURAL GAS, OIL	N
721031	BELL CANYON	343	2620	2620	SANDSTONE	NATURAL GAS, OIL	N
721033	MANZANITA	-627	3590	3590	LIMESTONE	NATURAL GAS, OIL	N
721024	BONE SPRING LIME	-3342	6305	6305	LIMESTONE, SHALE	NATURAL GAS, OIL	N
721028	BONE SPRING 2ND	-5032	7995	7995	SANDSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 3M

Rating Depth: 18537

Equipment: Annular, Pipe Ram, Blind Ram

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. Anchors aren't required by manufacturer. A multi-bowl wellhead is being used. See attached schematic

Testing Procedure: 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.

Choke Diagram Attachment:

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_3M_BOPE_Choke_Diagram_20200520163421.pdf

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U.S. Department of the Interior BUREAU OF LAND MANAGEMENT Drilling Plan Data Report

06/24/2021

APD ID: 10400056485Submission Date: 05/29/2020Highlighted data
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721033	MANZANITA	-627	3590	3590	LIMESTONE	NATURAL GAS, OIL	N
721024	BONE SPRING LIME	-3342	6305	6305	LIMESTONE, SHALE	NATURAL GAS, OIL	N
721028	BONE SPRING 2ND	-5032	7995	7995	SANDSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

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Rating Depth: 18537

Equipment: Annular, Pipe Ram, Blind Ram

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Choke Diagram Attachment:

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_3M_BOPE_Choke_Diagram_20200520163421.pdf

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Operator Name: MEWBOURNE OIL COMPANYWell Name: DELAWARE RANCH 11/14 B2DM FED COMWell Number: 1H

 $Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Flex_Line_Specs_API_16C_20200520163421.pdf$

 $Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Flex_Line_Specs_20200520163421.pdf$

BOP Diagram Attachment:

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Multi_Bowl_WH_20200520163435.pdf Delaware_Ranch_11_14_B2DM_Fed_Com_1H_3M_BOPE_Schematic_20200520163435.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	510	0	510	2963	2453	510	H-40	48	ST&C	3.3	7.41	DRY	13.1 5	DRY	22.1
2	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	2510	0	2510	2968	453	2510	J-55	36	LT&C	1.55	2.7	DRY	5.01	DRY	6.24
	PRODUCTI ON	8.75	7.0	NEW	API	N	0	8471	0	8191	2968	-5228	8471	P- 110	26	LT&C	1.89	2.56	DRY	3.15	DRY	3.77
4		6.12 5	4.5	NEW	API	N	7718	18537	7714	8191	-4751	-5228	10819	P- 110	13.5	LT&C	2.51	2.91	DRY	2.31	DRY	2.89

Casing Attachments

Casing ID: 1

String Type:SURFACE

Inspection Document:

Spec Document:

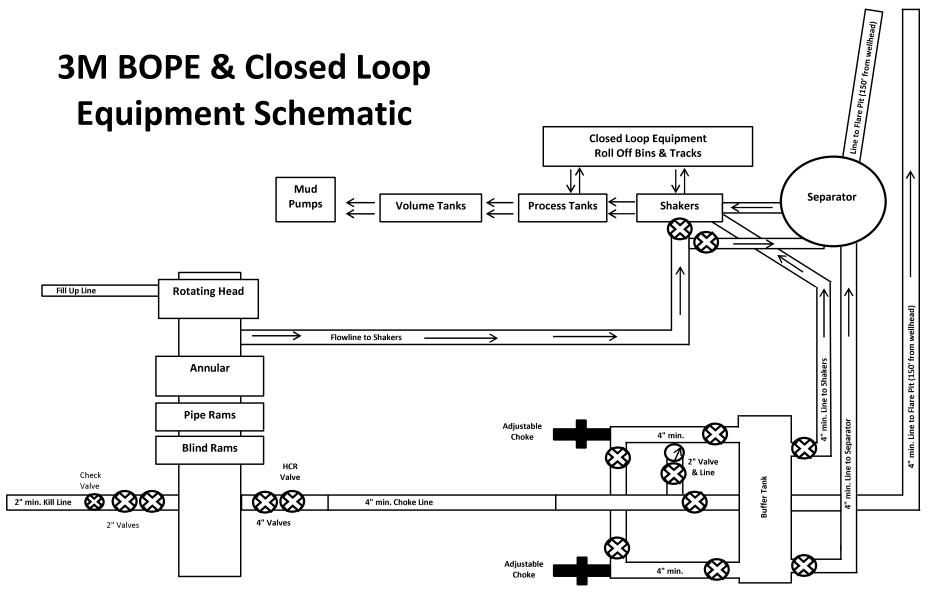
Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Delaware_Ranch_11_14_B2DM_Fed_Com_1H_Csg_Assumptions_20200520163743.doc

Page 2 of 6

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Drawing not to scale



GATES ENGINEERING & SERVICES NORTH AMERICA 7603 Prairie Oak Dr. Houston, TX 77086 PHONE: (281) 602 - 4119 FAX: EMAIL: Troy.Schmidt@gates.com WEB: www.gates.com

10K CHOKE & KILL ASSEMBLY PRESSURE TEST CERTIFICATE

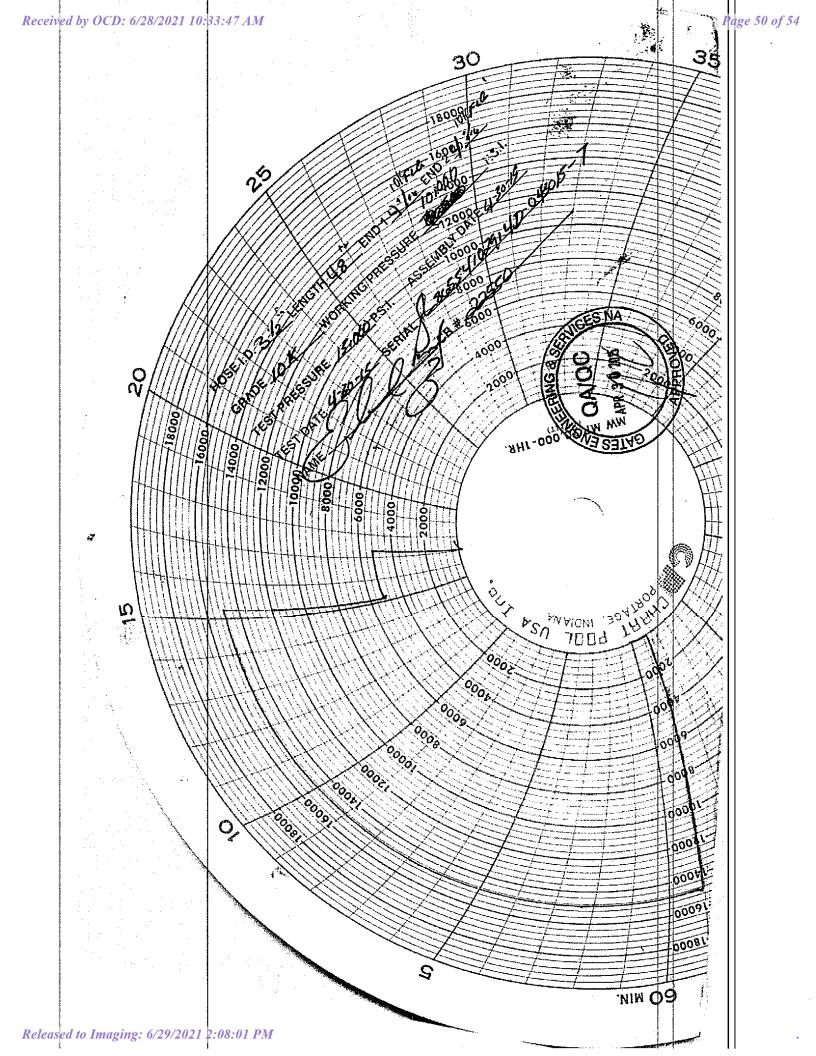
Customer:	A-7 AUSTIN INC DBA AUSTIN HOSE	Test Date:	8/20/2018
Customer Ref.:	4101901	Hose Serial No.:	H-082018-10
Invoice No.:	511956	Created By:	Moosa Naqvi
Product Description:	10KF	3.035.0CK41/1610KFLGFXDxFLT	L/E
		_	4 1/16 in. Float Flange
Product Description:	10KF 4 1/16 in. Fixed Flange 68503010-9721632	End Fitting 2: Assembly Code:	

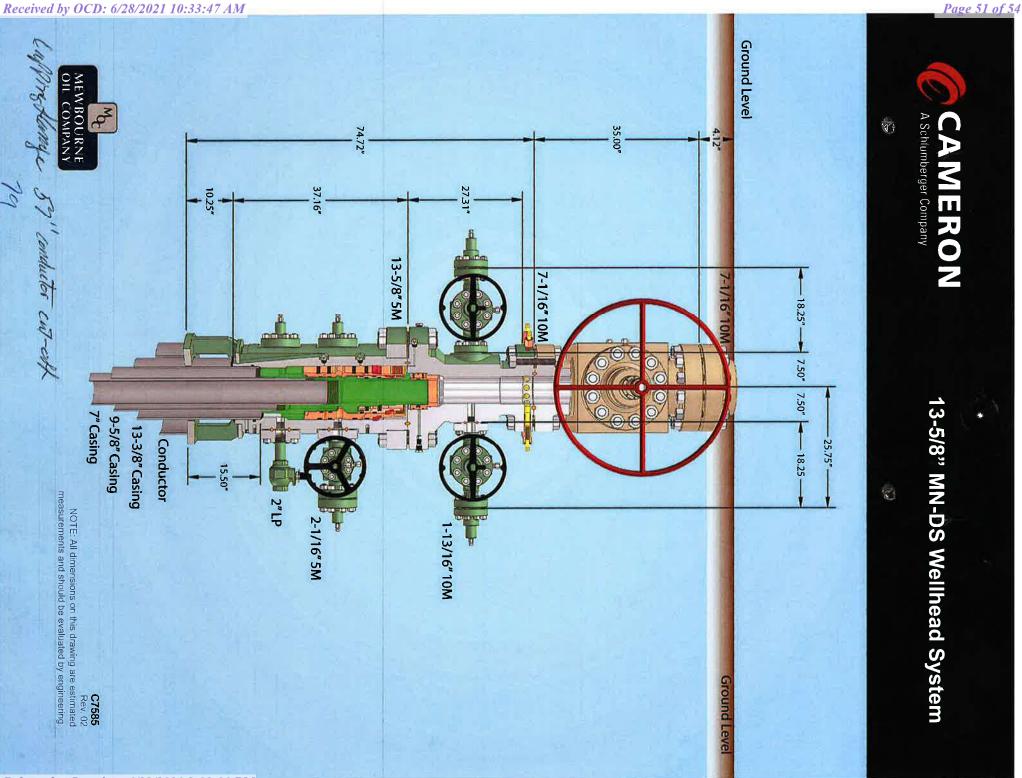
Gates Engineering & Services North America certifies that the following hose assembly has successfully passed all pressure testing requirements set forth in Gates specifications: GTS-04-052 (for 5K assemblies) or GTS-04-053 (10K assemblies), which include reference to Specification API 16C (2nd Edition); sections 7.5.4, 7.5.9, and 10.8.7. A test graph will accompany this test certificate to illustrate conformity to test requirements.

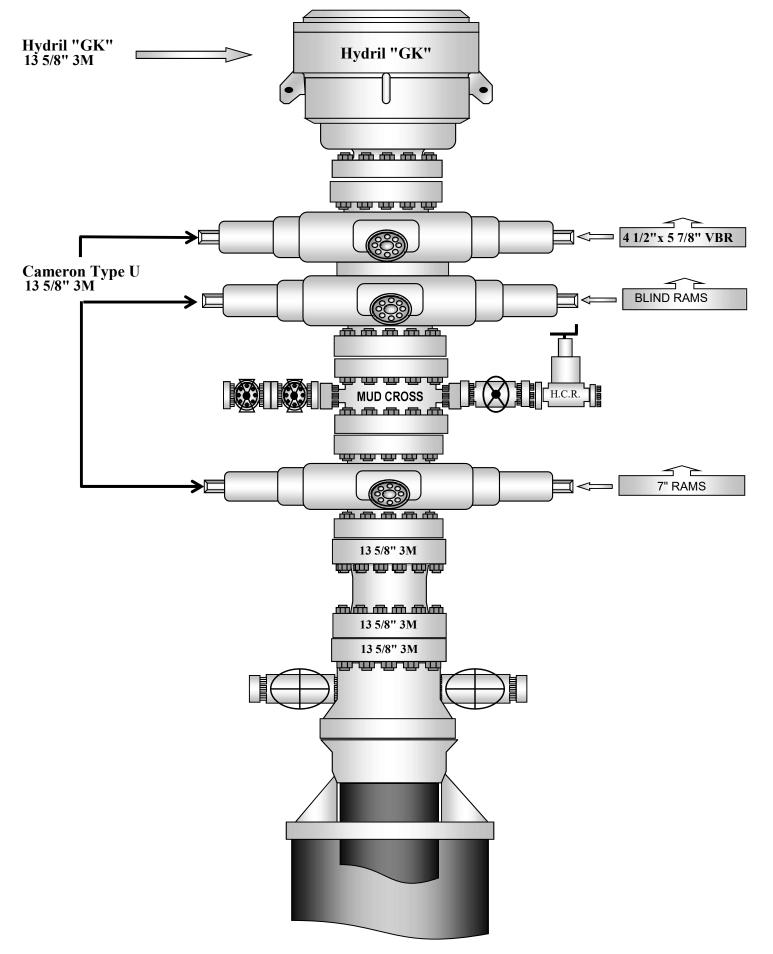
Quality:	QUALITY	Production:	
Date :	8/20/201	B _ Date :	8/20/2018
Signature :	1	Signature :	THE I
1	Moster	In	Form PTC - 01 Rev.0 2



44TH STREET RPUS CHRISTI	-			PHONE: 361-887-9807	
	1	S 78405		FAX: 361-887-0812 EMAIL: <i>Tim.Cantu@gates.co</i> WEB: www.gates.com	5m
10K C	EME	NTING ASSEMBL	Y PRESSURE	TEST CERTIFICATE	
ustomer :	r	AUSTIN DISTRIBUTING	Test Date:	4/30/2015	
ustomer Ref. :		4060578	Hose Serial No.:	D-043015-7	
voice No. :		500506	Created By:	JUSTIN CROPPER	
educt Descriptions			10K3.548.0CK4.1/1610KFL	GE/E LE	
roduct Description:		,	······································		
nd Fitting 1 :					
ates Part No. :					
the Gates Oil hydrostatic tes	lfield R it per A i in acc	oughneck Agreement/S PI Spec 7K/Q1, Fifth Ec ordance with this produ	pecification requirer ition, June 2010, Te ct number. Hose bu	nents and passed the 15 minute est pressure 9.6.7 and per Table 9 Irst pressure 9.6.7.2 exceeds the	9
		minimum or 2.5 times t	ie working pressure		
Quality Manager :		QUALITY	Produciton:	PRODUCTION	
Signature ;	Ę	Jugan Coff	Signature :	They	
		Ŵ		FornCPTC - 01 Rev.	02
	'				
/				# Staton	
	Istomer : Istomer Ref. : voice No. : oduct Description: ad Fitting 1 : ates Part No. : orking Pressure : Gates E & S I the Gates Oi hydrostatic tes to 15,000 psi puality Manager : vate :	Istomer : Istomer Ref. : voice No. : oduct Description: Ind Fitting 1 : ates Part No. : orking Pressure : Gates E & S North the Gates Oilfield R hydrostatic test per A to 15,000 psi in acc puality Manager : bate :	AUSTIN DISTRIBUTING AUSTIN DISTRIBUTING AUG0578 voice No. : add Fitting 1 : ates Part No. : ates Part Part Part Part Part Part Part Part	AUSTIN DISTRIBUTING Istomer Ref. : voice No. :	Automore Ref. : 4060578 istomer Ref. : 4060578 voice No. : 500506 oduct Description: 10K3.548.0CK4.1/1610KFLGE/E LE addict Description: 10K3.548.0CK4.1/1610KFLGE/E LE add Fitting 1 : 4 1/16 10K FLG atses Part No. : 4773-6290 atses Part No. : 4773-6290 orking Pressure : 10,000 PSI Test Pressure : 15,000 PSI Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7. and per Table to 15,000 psi in accordance with this product number. Hose burst pressure 9.6.7.2 exceeds the minimum of 2.5 times the working pressure per Table 9. uality Manager : QUALITY Producton: PRODUCTION the : 4/30/2015







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

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COMMENTS

Action 34024

COMMENTS						
Operator:	OGRID:					
MEWBOURNE OIL CO	14744					
P.O. Box 5270	Action Number:					
Hobbs, NM 88241	34024					
	Action Type:					
	[C-101] BLM - Federal/Indian Land Lease (Form 3160-3)					

COMMENTS

Created By Co	Comment	Comment Date
kpickford KF	KP GEO Review 6/29/2021	6/29/2021

Released to Imaging: 6/29/2021 2:08:01 PM

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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

CONDITIONS

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	34024
	Action Type:
	[C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

-		
Created	Condition	Condition
Ву		Date
kpickford	Notify OCD 24 hours prior to casing & cement	6/29/2021
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104	6/29/2021
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or	6/29/2021
	zones and shall immediately set in cement the water protection string	
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing	6/29/2021
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and	6/29/2021
	solids must be contained in a steel closed loop system	

Action 34024