

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0137  
Expires October 31, 2014

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator: MEWBORNE OIL COMPANY (14744)

3a. Address: PO Box 5270 Hobbs NM 88240

3b. Phone No. (include area code): (575)393-5905

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface: SWSE / 950 FSL / 2300 FEL / LAT 32.4739263 / LONG -103.695239  
At proposed prod. zone: SWSE / 330 FSL / 1800 FEL / LAT 32.4431898 / LONG -103.6936342

5. Lease Serial No.: NM031375

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA Agreement, Name and No.:

8. Lease Name and Well No.: (322248)  
CAPER 20/29 B3BO FED COM 2H

9. API Well No.: 30-025-45088

10. Field and Pool, or Exploratory: (5695)  
RED TANK BONE SPRING / BONE SPR

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 17 / T21S / R32E / NMP

12. County or Parish: LEA

13. State: NM

14. Distance in miles and direction from nearest town or post office\*: 25 miles

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 330 feet

16. No. of acres in lease: 606.85

17. Spacing Unit dedicated to this well: 320

18. Distance from proposed location\* to nearest well, drilling, completed, 50 feet applied for, on this lease, ft.:

19. Proposed Depth: 11626 feet / 22657 feet

20. BLM/BIA Bond No. on file: FED: NM1693

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3639 feet

22. Approximate date work will start\*: 10/01/2017

23. Estimated duration: 60 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature: (Electronic Submission)

Name (Printed/Typed): Bradley Bishop / Ph: (575)393-5905

Date: 11/20/2017

Title: Regulatory

Approved by (Signature): (Electronic Submission)

Name (Printed/Typed): Cody Layton / Ph: (575)234-5959

Date: 08/01/2018

Title: Assistant Field Manager Lands & Minerals

Office: CARLSBAD

Application approval 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.  
Conditions of approval, if any, are attached.

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.

(Continued on page 2)

\*(Instructions on page 2)

6 CP Rec 08/14/18

**APPROVED WITH CONDITIONS**

Approval Date: 08/01/2018

KZ 05/18/18

## INSTRUCTIONS

**GENERAL:** This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

**ITEM 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

**ITEM 4:** Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

**ITEM 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

**ITEMS 15 AND 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

**ITEM 22:** Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

## NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et seq., 25 U.S.C. 396, 43 CFR 3160

**PRINCIPAL PURPOSES:** The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

**ROUTINE USE:** Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications.

Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

## Additional Operator Remarks

### Location of Well

1. SHL: SWSE / 950 FSL / 2300 FEL / TWSP: 21S / RANGE: 32E / SECTION: 17 / LAT: 32.4739263 / LONG: -103.695239 ( TVD: 0 feet, MD: 0 feet )  
PPP: NWSE / 2644 FSL / 1800 FEL / TWSP: 21S / RANGE: 32E / SECTION: 20 / LAT: 32.46418 / LONG: -103.691374 ( TVD: 11576 feet, MD: 15100 feet )  
PPP: NWNE / 0 FNL / 1800 FEL / TWSP: 21S / RANGE: 32E / SECTION: 20 / LAT: 32.470971 / LONG: -103.691784 ( TVD: 11561 feet, MD: 12800 feet )  
BHL: SWSE / 330 FSL / 1800 FEL / TWSP: 21S / RANGE: 32E / SECTION: 29 / LAT: 32.4431898 / LONG: -103.6936342 ( TVD: 11626 feet, MD: 22657 feet )

### BLM Point of Contact

Name: Tenille Ortiz

Title: Legal Instruments Examiner

Phone: 5752342224

Email: tortiz@blm.gov

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### **Review and Appeal Rights**

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

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U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Operator Certification Data Report

08/02/2018

### Operator Certification

*I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.*

**NAME:** Bradley Bishop

**Signed on:** 06/01/2017

**Title:** Regulatory

**Street Address:** PO Box 5270

**City:** Hobbs

**State:** NM

**Zip:** 88240

**Phone:** (575)393-5905

**Email address:** bbishop@mewbourne.com

### Field Representative

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Application Data Report

08/02/2018

APD ID: 10400014770

Submission Date: 11/20/2017

Highlighted data  
reflects the most  
recent changes

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CAPER 20/29 B3BO FED COM

Well Number: 2H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

### Section 1 - General

APD ID: 10400014770

Tie to previous NOS? 10400012783

Submission Date: 11/20/2017

BLM Office: CARLSBAD

User: Bradley Bishop

Title: Regulatory

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM031375

Lease Acres: 606.85

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? YES

Permitting Agent? NO

APD Operator: MEWBOURNE OIL COMPANY

Operator letter of designation: Caper20\_29B3BOFedCom2H\_operatorletterofdesignation\_06-01-2017.pdf

### Operator Info

Operator Organization Name: MEWBOURNE OIL COMPANY

Operator Address: PO Box 5270

Zip: 88240

Operator PO Box:

Operator City: Hobbs

State: NM

Operator Phone: (575)393-5905

Operator Internet Address:

### Section 2 - Well Information

Well in Master Development Plan? EXISTING

Master Development Plan name: Caper Drill Island

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: CAPER 20/29 B3BO FED COM

Well Number: 2H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: RED TANK BONE Pool Name: BONE SPRING  
SPRING

Is the proposed well in an area containing other mineral resources? USEABLE WATER,NATURAL GAS,OIL

**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

**Describe other minerals:**

**Is the proposed well in a Helium production area?** N **Use Existing Well Pad?** NO **New surface disturbance?**

**Type of Well Pad:** MULTIPLE WELL

**Multiple Well Pad Name:**

**Number:** 6

**Well Class:** HORIZONTAL

CAPER DRILL ISLAND

**Number of Legs:**

**Well Work Type:** Drill

**Well Type:** OIL WELL

**Describe Well Type:**

**Well sub-Type:** APPRAISAL

**Describe sub-type:**

**Distance to town:** 25 Miles

**Distance to nearest well:** 50 FT

**Distance to lease line:** 330 FT

**Reservoir well spacing assigned across Measurement:** 320 Acres

**Well plat:** Caper20\_29B3BOFedCom2H\_wellplat\_06-01-2017.pdf

**Well work start Date:** 10/01/2017

**Duration:** 60 DAYS

### Section 3 - Well Location Table

**Survey Type:** RECTANGULAR

**Describe Survey Type:**

**Datum:** NAD83

**Vertical Datum:** NAVD88

**Survey number:**

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
SHL Leg #1	950	FSL	230 0	FEL	21S	32E	17	Aliquot SWSE	32.47392 63	- 103.6952 39	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 094095	363 9	0	0
KOP Leg #1	950	FSL	230 0	FEL	21S	32E	17	Aliquot SWSE	32.47392 63	- 103.6952 39	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 094095	- 744 5	110 84	110 84
PPP Leg #1	0	FNL	180 0	FEL	21S	32E	20	Aliquot NWNE	32.47097 1	- 103.6917 84	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 031375	- 792 2	128 00	115 61

**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
PPP Leg #1	264 4	FSL	180 0	FEL	21S	32E	20	Aliquot NWSE	32.46418	- 103.6913 74	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 014331	- 793 7	151 00	115 76
EXIT Leg #1	330	FSL	180 0	FEL	21S	32E	29	Aliquot SWSE	32.44318 98	- 103.6936 342	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 014331	- 798 7	226 57	116 26
BHL Leg #1	330	FSL	180 0	FEL	21S	32E	29	Aliquot SWSE	32.44318 98	- 103.6936 342	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 014331	- 798 7	226 57	116 26



**United States Department of the Interior  
Bureau of Land Management  
Carlsbad Field Office  
620 E Greene Street  
Carlsbad, New Mexico 88201-1287**

**Statement Accepting Responsibility for Operations**


Operator Name: Mewbourne Oil Company  
Street or Box: P.O. Box 5270  
City, State: Hobbs, New Mexico  
Zip Code: 88241

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted of the leased land or portion thereof, as described below.

Lease Number:

Legal Description of Land: Section 17 T21S R32E, Lea County, New Mexico.  
Location @ 950' FSL & 2300' FEL  
Formation (if applicable): Bone Spring  
Bond Coverage: \$150,000  
BLM Bond File: NM1693 Nationwide, NMB - 000919

Approved by:



Name: Robin Terrell  
Title: District Manager  
Date: 06-1-2017



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Drilling Plan Data Report

08/02/2018

APD ID: 10400014770

Submission Date: 11/20/2017

Highlighted data  
reflects the most  
recent changes

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CAPER 20/29 B3BO FED COM

Well Number: 2H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

### Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	UNKNOWN	3639	27	27		NONE	No
2	RUSTLER	2615	1024	1024	DOLOMITE, ANHYDRITE	USEABLE WATER	No
3	TOP SALT	2215	1424	1424	SALT	NONE	No
4	BASE OF SALT	345	3294	3294	SALT	NONE	No
5	LAMAR	-689	4328	4328	LIMESTONE	NATURAL GAS, OIL	No
6	BELL CANYON	-968	4607	4607	SANDSTONE	NATURAL GAS, OIL	No
7	CHERRY CANYON	-1905	5544	5544	SANDSTONE	NATURAL GAS, OIL	No
8	MANZANITA	-2075	5714	5714		NONE	No
9	BRUSHY CANYON	-3088	6727	6727	SANDSTONE	NATURAL GAS, OIL	Yes
10	BONE SPRING	-4815	8454	8454	LIMESTONE, SHALE	NATURAL GAS, OIL	No
11	BONE SPRING 1ST	-5900	9539	9539	SANDSTONE	NATURAL GAS, OIL	No
12	BONE SPRING 2ND	-6557	10196	10196	SANDSTONE	NATURAL GAS, OIL	No
13	BONE SPRING 3RD	-7528	11167	11167	SANDSTONE	NATURAL GAS, OIL	Yes

### Section 2 - Blowout Prevention

**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

**Pressure Rating (PSI):** 5M

**Rating Depth:** 22660

**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 not required by manufacturer. A multibowl 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:**

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_5M\_BOPE\_Choke\_Diagram\_20171018164040.pdf

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_Flex\_Line\_Specs\_20171018164044.pdf

**BOP Diagram Attachment:**

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_5M\_BOPE\_Schematic\_20171018164139.pdf

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_Multi\_Bowl\_WH\_20171018164141.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	1100	0	1100			1100	H-40	48	STC	1.35	3.02	DRY	6.1	DRY	10.25
2	INTERMEDIATE	12.25	9.625	NEW	API	Y	0	3875	0	3875			3875	J-55	36	LTC	1.13	1.96	DRY	2.9	DRY	4.54
3	PRODUCTION	8.75	7.0	NEW	API	N	0	11837	0	11530			11837	P-110	26	LTC	1.35	1.73	DRY	2.12	DRY	2.7
4	LINER	6.125	4.5	NEW	API	N	11084	22660	11084	11626			11576	P-110	13.5	LTC	1.76	2.05	DRY	2.16	DRY	2.7

**Casing Attachments**

**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

### Casing Attachments

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**Casing ID:** 1      **String Type:** SURFACE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_Csg\_Assumptions\_20171019104952.pdf

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**Casing ID:** 2      **String Type:** INTERMEDIATE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_TaperedCsg\_20171019104835.pdf

**Casing Design Assumptions and Worksheet(s):**

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_Csg\_Assumptions\_20171019105001.pdf

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**Casing ID:** 3      **String Type:** PRODUCTION

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_Csg\_Assumptions\_20171019105122.pdf

---

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CAPER 20/29 B3BO FED COM

Well Number: 2H

### Casing Attachments

Casing ID: 4 String Type: LINER

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_Csg\_Assumptions\_20171019105453.pdf

### Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	908	600	2.12	12.5	1272	100	Class C	Salt, Gel, Extender, LCM
SURFACE	Tail		908	1100	200	1.34	14.8	268	100	Class C	Retarder
INTERMEDIATE	Lead		0	3231	635	2.12	12.5	1346	25	Class C	Salt, Gel, Extender, LCM
INTERMEDIATE	Tail		3231	3875	200	1.34	14.8	268	25	Class C	Retarder
PRODUCTION	Lead	4300	0	3634	345	2.12	12.5	731	25	Class C	Gel, Retarder, Defoamer, Extender
PRODUCTION	Tail		3634	4300	100	1.34	14.8	134	25	Class C	Retarder
PRODUCTION	Lead	4300	4300	9285	435	2.12	12.5	922	25	Class C	Gel, Retarder, Defoamer, Extender
PRODUCTION	Tail		9285	11837	400	1.18	15.6	472	25	Class H	Retarder, Fluid Loss, Defoamer
LINER	Lead		11084	22660	465	2.97	11.2	1381	25	Class C	Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-Settling Agent

**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

### 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:** Visual Monitoring

### Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1100	SPUD MUD	8.6	8.8							
1100	3875	SALT SATURATED	10	10							
3875	1108 4	WATER-BASED MUD	8.6	9.7							
1108 4	1162 6	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 from KOP (11,084') to surface

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

CNL,DS,GR,MWD,MUDLOG

**Coring operation description for the well:**

None

**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

### Section 7 - Pressure

**Anticipated Bottom Hole Pressure:** 6046

**Anticipated Surface Pressure:** 3488.28

**Anticipated Bottom Hole Temperature(F):** 140

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

**Describe:**

**Contingency Plans geohazards description:**

**Contingency Plans geohazards attachment:**

**Hydrogen Sulfide drilling operations plan required?** YES

**Hydrogen sulfide drilling operations plan:**

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_H2S\_Plan\_20171019110333.pdf

### Section 8 - Other Information

**Proposed horizontal/directional/multi-lateral plan submission:**

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_Dir\_Plot\_20171019110438.pdf

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_Dir\_Plan\_20171019110439.pdf

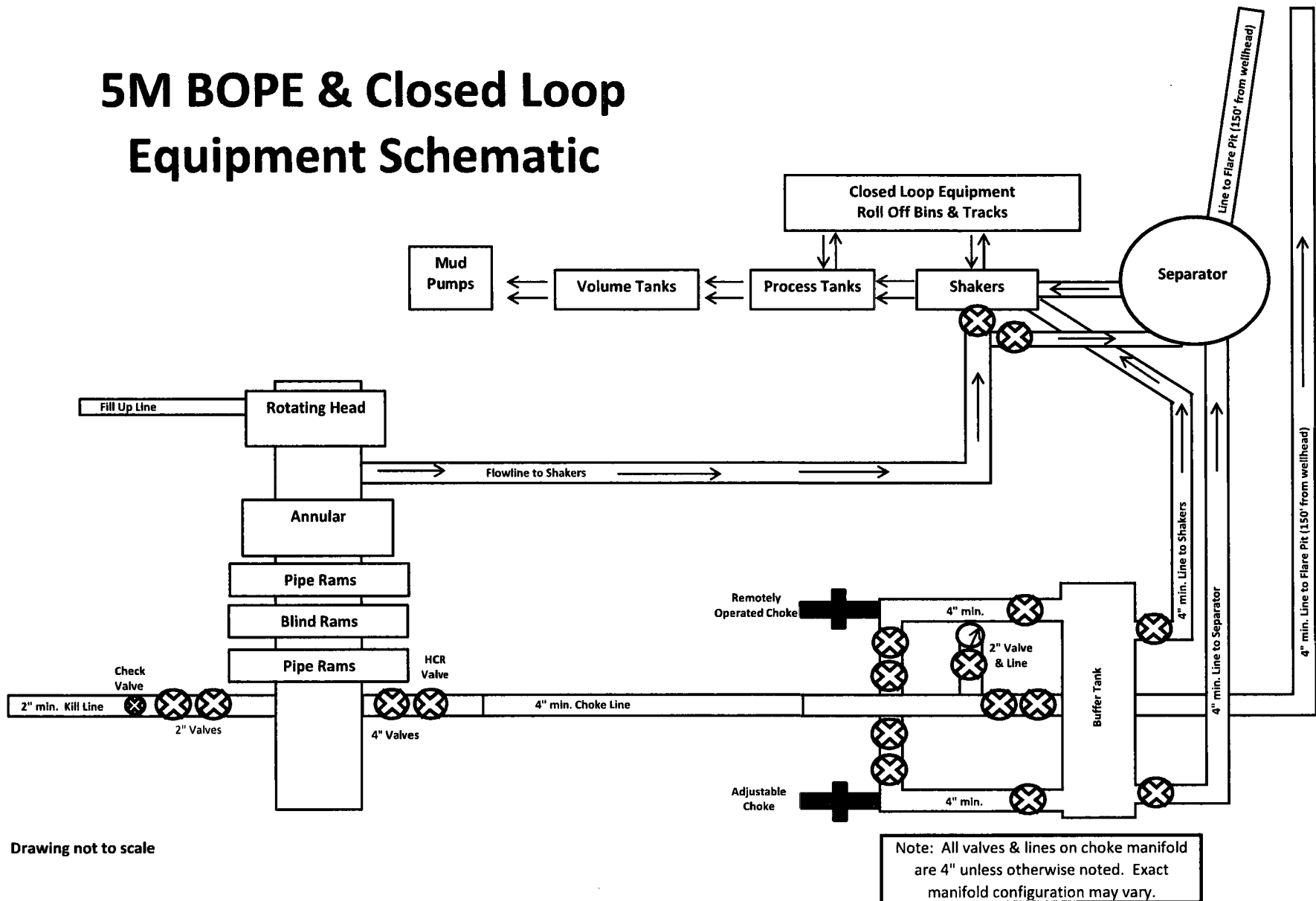
**Other proposed operations facets description:**

**Other proposed operations facets attachment:**

Caper\_20\_29\_B3BO\_Fed\_Com\_2H\_Drlg\_Program\_20171019110451.doc

**Other Variance attachment:**

# 5M BOPE & Closed Loop Equipment Schematic



Drawing not to scale





GATES E & S NORTH AMERICA, INC.  
134 44TH STREET  
CORPUS CHRISTI, TEXAS 78405

PHONE: 361-887-9807  
FAX: 361-887-0812  
EMAIL: [Tim.Cantu@gates.com](mailto:Tim.Cantu@gates.com)  
WEB: [www.gates.com](http://www.gates.com)

## 10K CEMENTING ASSEMBLY PRESSURE TEST CERTIFICATE

Customer :	AUSTIN DISTRIBUTING	Test Date:	4/30/2015
Customer Ref. :	4060578	Hose Serial No.:	D-043015-7
Invoice No. :	500506	Created By:	JUSTIN CROPPER
Product Description:	10K3.548.0CK4.1/1610KFLGE/E LE		
End Fitting 1 :	4 1/16 10K FLG	End Fitting 2 :	4 1/16 10K FLG
Gates Part No. :	4773-6290	Assembly Code :	L36554102914D-043015-7
Working Pressure :	10,000 PSI	Test Pressure :	15,000 PSI

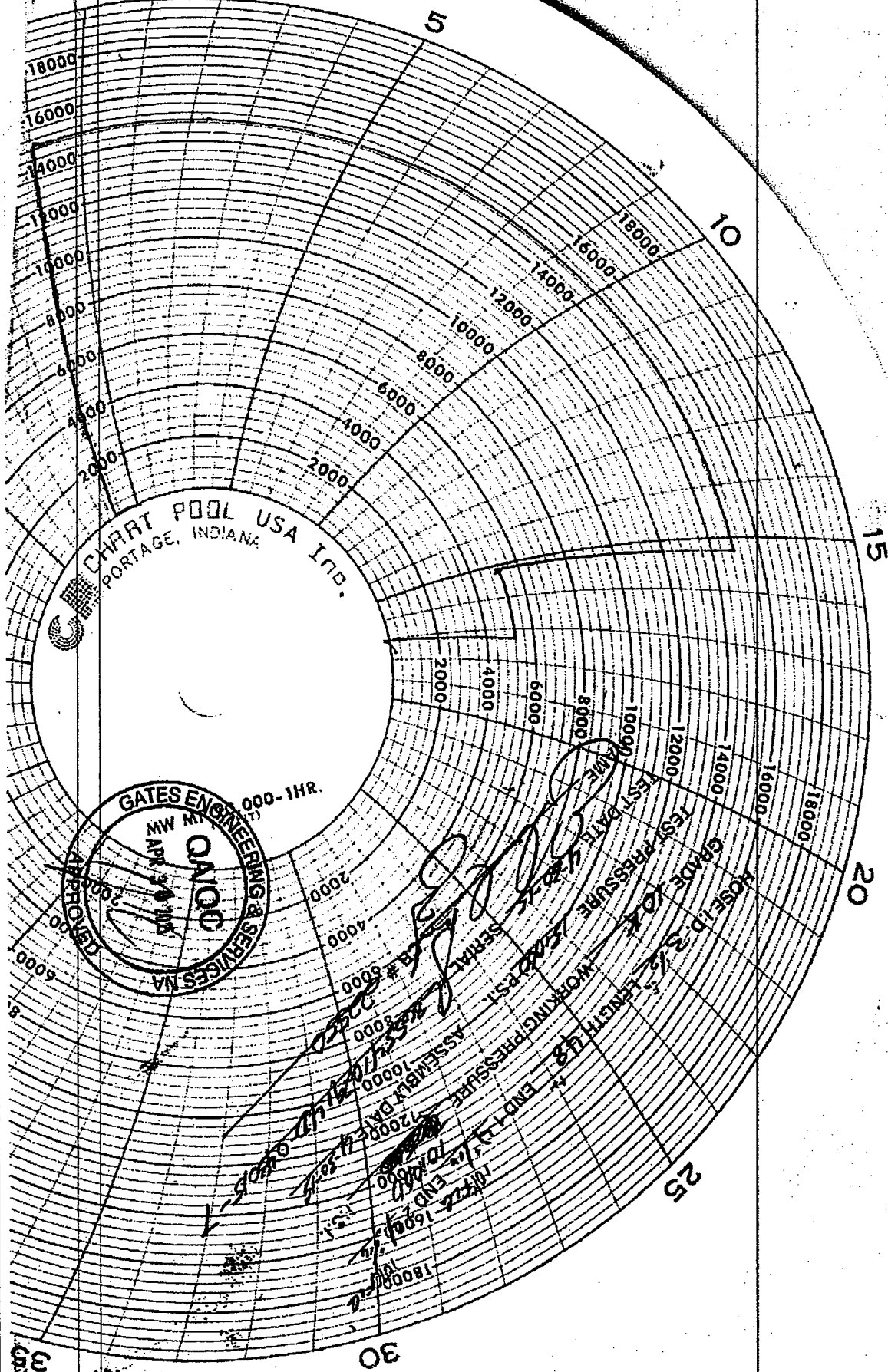
Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7 and per Table 9 to 15,000 psi in 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.

Quality Manager :	QUALITY	Production:	PRODUCTION
Date :	4/30/2015	Date :	4/30/2015
Signature :		Signature :	

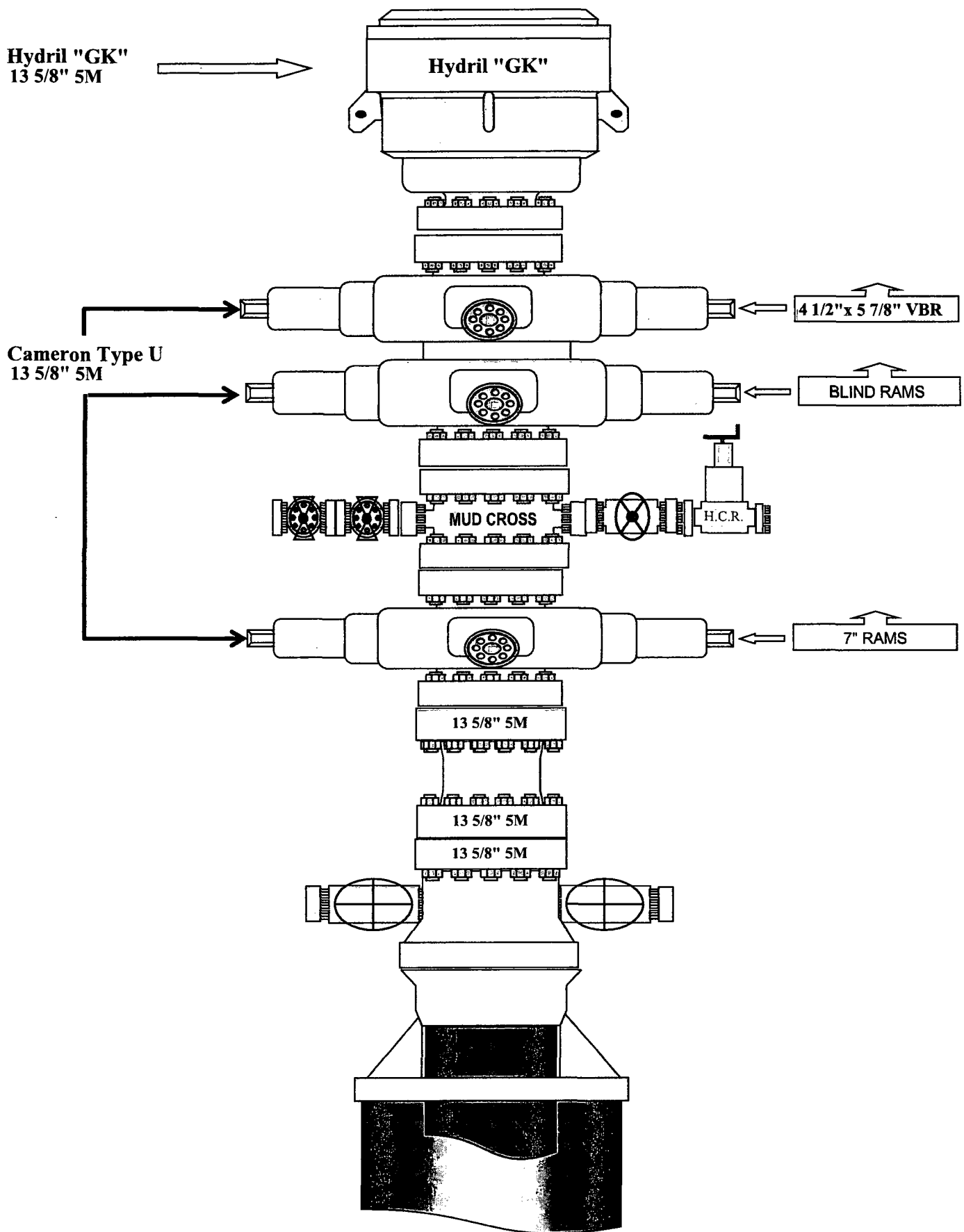
Form PTC - 01 Rev.02



60 MIN.



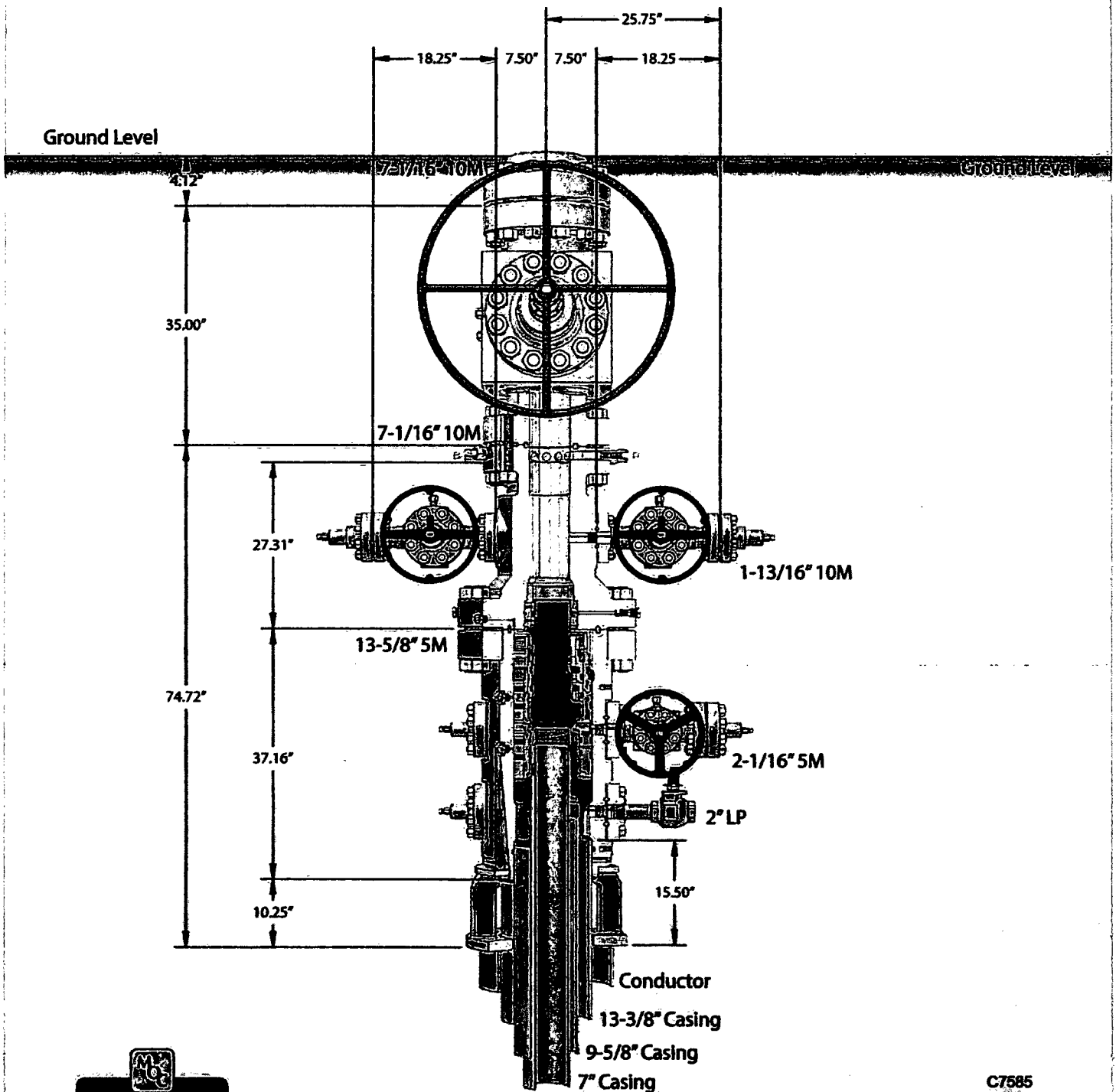
35



# CAMERON

A Schlumberger Company

## 13-5/8" MN-DS Wellhead System

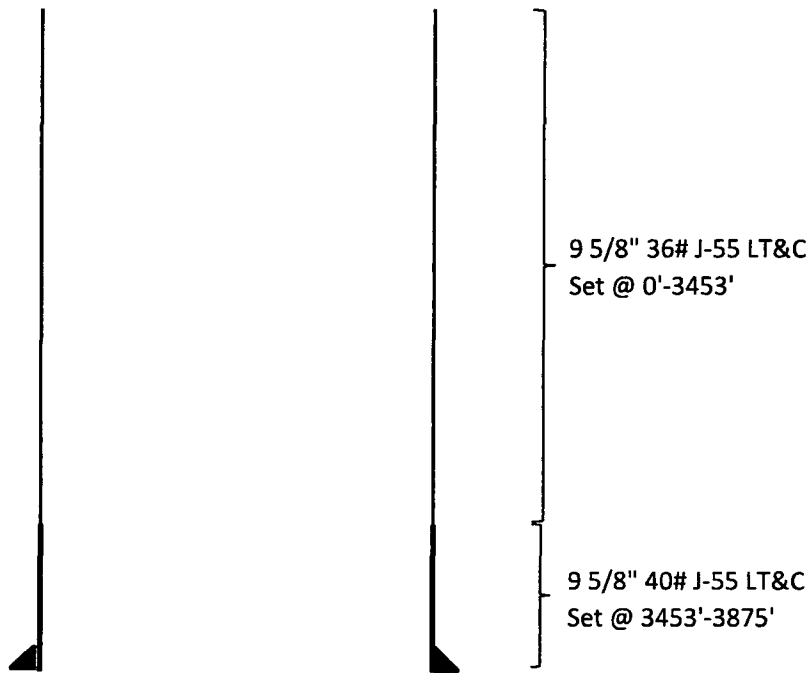


*Lapping Range 57" conductor cut-off*  
*79*

C7585  
 Rev. 02

NOTE: All dimensions on this drawing are estimated measurements and should be evaluated by engineering.

Caper 20/29 B3BO Fed Com #2H  
Intermediate Casing



Casing	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
36# J-55	1.13	1.96	2.9	4.54
40# J-55	1.28	1.96	3.081	37.32

**Mewbourne Oil Company, Caper 20/29 B3BO Federal Com #2H**  
**Sec 17, T21S, R32E**  
**SL: 950' FSL & 2300' FEL, Sec 17**  
**BHL: 330' FSL & 1800' FEL, Sec 29**

**Casing Program**

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
	From	To								
17.5"	0'	1100'	13.375"	48	H40	STC	1.35	3.02	6.10	10.25
12.25"	0'	3453'	9.625"	36	J55	LTC	1.125	1.96	2.90	4.54
12.25"	3453'	3875'	9.625"	40	J55	LTC	1.28	1.96	30.81	37.32
8.75"	0'	11837'	7"	26	HCP110	LTC	1.35	1.73	2.12	2.70
6.125"	11084'	22660'	4.5"	13.5	P110	LTC	1.76	2.05	2.16	2.70
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	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 3 <sup>rd</sup> string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	Y
If yes, are the first three strings cemented to surface?	Y
Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?	Y
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, Caper 20/29 B3BO Federal Com #2H**  
**Sec 17, T21S, R32E**  
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**Mewbourne Oil Company, Caper 20/29 B3BO Federal Com #2H**  
**Sec 17, T21S, R32E**  
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**Mewbourne Oil Company, Caper 20/29 B3BO Federal Com #2H**  
**Sec 17, T21S, R32E**  
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**Mewbourne Oil Company, Caper 20/29 B3BO Federal Com #2H**  
**Sec 17, T21S, R32E**  
**SL: 950' FSL & 2300' FEL, Sec 17**  
**BHL: 330' FSL & 1800' FEL, Sec 29**

**1. Geologic Formations**

TVD of target	11626'	Pilot hole depth	NA
MD at TD:	22660'	Deepest expected fresh water:	125'

**Basin**

<b>Formation</b>	<b>Depth (TVD) from KB</b>	<b>Water/Mineral Bearing/ Target Zone?</b>	<b>Hazards*</b>
Quaternary Fill	Surface		
Rustler	1024	Water	
Top Salt	1424		
Castile			
Base Salt	3294		
Lamar	4328	Oil/Gas	
Bell Canyon	4607	Oil/Gas	
Cherry Canyon	5544	Oil/Gas	
Manzanita Marker	5714		
Brushy Canyon	6727	Oil/Gas	
Bone Spring	8454	Oil/Gas	
1 <sup>st</sup> Bone Spring Sand	9539		
2 <sup>nd</sup> Bone Spring Sand	10196		
3 <sup>rd</sup> Bone Spring Sand	11167	Target Zone	
Abo			
Wolfcamp			
Devonian			
Fusselman			
Ellenburger			
Granite Wash			

\*H<sub>2</sub>S, water flows, loss of circulation, abnormal pressures, etc.

**Mewbourne Oil Company, Caper 20/29 B3BO Federal Com #2H**  
**Sec 17, T21S, R32E**  
**SL: 950' FSL & 2300' FEL, Sec 17**  
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**2. Casing Program**

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
	From	To								
17.5"	0'	1100'	13.375"	48	H40	STC	1.35	3.02	6.10	10.25
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**Mewbourne Oil Company, Caper 20/29 B3BO Federal Com #2H**

**Sec 17, T21S, R32E**

**SL: 950' FSL & 2300' FEL, Sec 17**

**BHL: 330' FSL & 1800' FEL, Sec 29**

**3. Cementing Program**

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H <sub>2</sub> O gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf.	600	12.5	2.12	11	10	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	6.3	8	Tail: Class C + Retarder
Inter.	635	12.5	2.12	11	10	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	6.3	8	Tail: Class C + Retarder
Prod. Stg 1	435	12.5	2.12	11	9	Lead: Class C + Gel + Retarder + Defoamer + Extender
	400	15.6	1.18	5.2	13	Tail: Class H + Retarder + Fluid Loss + Defoamer
ECP/DV Tool @ 4300'						
Prod. Stg 2	345	12.5	2.12	11	16	Lead: Class C + Gel + Retarder + Defoamer + Extender
	100	14.8	1.34	6.3	8	Tail: Class C + Retarder
Liner	465	11.2	2.97	17	16	Class C + Salt + Gel + Fluid Loss + Retarder + Dispersant + Defoamer + Anti-Settling Agent

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	0'	25%
Liner	11084'	25%

**Mewbourne Oil Company, Caper 20/29 B3BO Federal Com #2H**  
**Sec 17, T21S, R32E**  
**SL: 950' FSL & 2300' FEL, Sec 17**  
**BHL: 330' FSL & 1800' FEL, Sec 29**

**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"	5M	Annular	X	2500#
			Blind Ram	X	5000#
			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?
Y	<p>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.</p> <ul style="list-style-type: none"> <li>Provide description here: See attached schematic.</li> </ul>

**Mewbourne Oil Company, Caper 20/29 B3BO Federal Com #2H**  
**Sec 17, T21S, R32E**  
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**5. Mud Program**

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0'	1100'	Spud Mud	8.6-8.8	28-34	N/C
1100'	3875'	BW	10.0	28-34	N/C
3875'	11084'	FW w/ Polymer	8.6-9.7	28-34	N/C
11084'	22660'	OBM	8.6-10.0	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?	Visual Monitoring
---	-------------------

**6. Logging and Testing Procedures**

Logging, Coring and Testing.	
X	Will run GR/CNL from KOP (11084') 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	11084' (KOP) to TD
Density	
CBL	
Mud log	
PEX	

**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	6046 psi
Abnormal Temperature	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers in surface hole.

**Mewbourne Oil Company, Caper 20/29 B3BO Federal Com #2H**  
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Hydrogen Sulfide (H <sub>2</sub> S) monitors will be installed prior to drilling out the surface shoe. If H <sub>2</sub> S 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



APD ID: 10400014770

Submission Date: 11/20/2017

Highlighted data  
reflects the most  
recent changes

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CAPER 20/29 B3BO FED COM

Well Number: 2H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

## Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Caper20\_29B3BOFedCom2H\_existingroadmap\_06-01-2017.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

## Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

Caper20\_29B3BOFedCom2H\_NEWroadmap\_06-01-2017.pdf

New road type: RESOURCE

Length: 61.56

Feet

Width (ft.): 20

Max slope (%): 3

Max grade (%): 3

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: None

New road access plan or profile prepared? NO

New road access plan attachment:

Access road engineering design? NO

Access road engineering design attachment:



**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

**Access surfacing type:** OTHER

**Access topsoil source:** OFFSITE

**Access surfacing type description:** Caliche

**Access onsite topsoil source depth:**

**Offsite topsoil source description:** Topsoil will be on edge of lease road.

**Onsite topsoil removal process:**

**Access other construction information:** None

**Access miscellaneous information:** None

**Number of access turnouts:** 3

**Access turnout map:**

### Drainage Control

**New road drainage crossing:** OTHER

**Drainage Control comments:** None

**Road Drainage Control Structures (DCS) description:** None

**Road Drainage Control Structures (DCS) attachment:**

### Access Additional Attachments

**Additional Attachment(s):**

## Section 3 - Location of Existing Wells

**Existing Wells Map?** YES

**Attach Well map:**

Caper20\_29B3BOFedCom2H\_EXISTINGWELLmap\_06-01-2017.pdf

**Existing Wells description:**

## Section 4 - Location of Existing and/or Proposed Production Facilities

**Submit or defer a Proposed Production Facilities plan?** SUBMIT

**Production Facilities description:**

**Production Facilities map:**

Caper20\_29B3BOFedCom2H\_drillislandmap\_06-01-2017.pdf

Caper20\_29B3BOFedCom2H\_productionfacility\_06-01-2017.pdf

## Section 5 - Location and Types of Water Supply

### Water Source Table

**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

**Water source use type:** DUST CONTROL,  
INTERMEDIATE/PRODUCTION CASING, STIMULATION, SURFACE  
CASING

**Describe type:**

**Water source type:** IRRIGATION

**Source longitude:** -103.66656

**Source latitude:** 32.43158

**Source datum:** NAD83

**Water source permit type:** WATER WELL

**Source land ownership:** PRIVATE

**Water source transport method:** TRUCKING

**Source transportation land ownership:** COMMERCIAL

**Water source volume (barrels):** 2014

**Source volume (acre-feet):** 0.2595907

**Source volume (gal):** 84588

**Water source use type:** DUST CONTROL,  
INTERMEDIATE/PRODUCTION CASING, STIMULATION, SURFACE  
CASING

**Describe type:**

**Water source type:** IRRIGATION

**Source longitude:** -103.62513

**Source latitude:** 32.3991

**Source datum:** NAD83

**Water source permit type:** WATER WELL

**Source land ownership:** FEDERAL

**Water source transport method:** TRUCKING

**Source transportation land ownership:** COMMERCIAL

**Water source volume (barrels):** 2014

**Source volume (acre-feet):** 0.2595907

**Source volume (gal):** 84588

**Water source and transportation map:**

Caper20\_29B3BOFedCom2H\_watersourceandtransmap\_06-01-2017.pdf

**Water source comments:** Both Sources shown on one map

**New water well?** NO

### New Water Well Info

**Well latitude:**

**Well Longitude:**

**Well datum:**

**Well target aquifer:**

**Est. depth to top of aquifer(ft):**

**Est thickness of aquifer:**

**Aquifer comments:**

**Aquifer documentation:**

**Well depth (ft):**

**Well casing type:**

**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

**Well casing outside diameter (in.):**

**Well casing inside diameter (in.):**

**New water well casing?**

**Used casing source:**

**Drilling method:**

**Drill material:**

**Grout material:**

**Grout depth:**

**Casing length (ft.):**

**Casing top depth (ft.):**

**Well Production type:**

**Completion Method:**

**Water well additional information:**

**State appropriation permit:**

**Additional information attachment:**

### Section 6 - Construction Materials

**Construction Materials description:** Caliche - both sources shown on one map.

**Construction Materials source location attachment:**

Caper20\_29B3BOFedCom2H\_calichesourceandtransmap\_06-01-2017.pdf

### Section 7 - Methods for Handling Waste

**Waste type:** SEWAGE

**Waste content description:** Human waste & grey water

**Amount of waste:** 1500 gallons

**Waste disposal frequency :** Weekly

**Safe containment description:** 2,000 gallon plastic container

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY      **Disposal location ownership:** PRIVATE

**Disposal type description:**

**Disposal location description:** City of Carlsbad Water Treatment facility

**Waste type:** GARBAGE

**Waste content description:** Garbage & trash

**Amount of waste:** 1500 pounds

**Waste disposal frequency :** One Time Only

**Safe containment description:** Enclosed trash trailer

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY      **Disposal location ownership:** PRIVATE

**Disposal type description:**

**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

**Disposal location description:** Waste Management facility in Carlsbad.

**Waste type:** DRILLING

**Waste content description:** Drill cuttings

**Amount of waste:** 940 barrels

**Waste disposal frequency :** One Time Only

**Safe containment description:** Drill cuttings will be properly contained in steel tanks (20 yard roll off bins.)

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE

**Disposal type description:**

**Disposal location description:** NMOCD approved waste disposal locations are CRI or Lea Land, both facilities are located on HWY 62/180, Sec. 27 T20S R32E.

### Reserve Pit

**Reserve Pit being used?** NO

**Temporary disposal of produced water into reserve pit?**

**Reserve pit length (ft.)** **Reserve pit width (ft.)**

**Reserve pit depth (ft.)** **Reserve pit volume (cu. yd.)**

**Is at least 50% of the reserve pit in cut?**

**Reserve pit liner**

**Reserve pit liner specifications and installation description**

### Cuttings Area

**Cuttings Area being used?** NO

**Are you storing cuttings on location?** NO

**Description of cuttings location**

**Cuttings area length (ft.)** **Cuttings area width (ft.)**

**Cuttings area depth (ft.)** **Cuttings area volume (cu. yd.)**

**Is at least 50% of the cuttings area in cut?**

**WCuttings area liner**

**Cuttings area liner specifications and installation description**

**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

## Section 8 - Ancillary Facilities

**Are you requesting any Ancillary Facilities?:** NO

**Ancillary Facilities attachment:**

**Comments:**

## Section 9 - Well Site Layout

**Well Site Layout Diagram:**

Caper20\_29B3BOFedCom2H\_wellsitelayout\_06-01-2017.pdf

Caper20\_29B3BOFedCom2H\_wellsitelayout2\_06-01-2017.pdf

**Comments:**

## Section 10 - Plans for Surface Reclamation

**Type of disturbance:** New Surface Disturbance

**Multiple Well Pad Name:** CAPER DRILL ISLAND

**Multiple Well Pad Number:** 6

**Recontouring attachment:**

**Drainage/Erosion control construction:** None

**Drainage/Erosion control reclamation:** None

**Wellpad long term disturbance (acres):** 3.14

**Wellpad short term disturbance (acres):** 5.165

**Access road long term disturbance (acres):** 0.028

**Access road short term disturbance (acres):** 0.028

**Pipeline long term disturbance (acres):** 0.14655188

**Pipeline short term disturbance (acres):** 0.14655188

**Other long term disturbance (acres):** 0

**Other short term disturbance (acres):** 0

**Total long term disturbance:** 3.3145518

**Total short term disturbance:** 5.339552

**Disturbance Comments:** In areas to be heavily disturbed, the top 6 inches of soil material, will be stripped and stockpiled on the perimeter of the well location to keep topsoil viable, and to make redistribution of topsoil more efficient during interim reclamation. Stockpiled topsoil should include vegetative material. Topsoil will be clearly segregated and stored separately from subsoils. Contaminated soil will not be stockpiled, but properly treated and handled prior to topsoil salvaging.

**Reconstruction method:** The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling, but will be recontoured to the above ratios during interim reclamation.

**Topsoil redistribution:** Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations including cuts & fills. To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used.

**Soil treatment:** NA

**Existing Vegetation at the well pad:** Various brush & grasses

**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

**Existing Vegetation at the well pad attachment:**

**Existing Vegetation Community at the road:** Various brush & grasses

**Existing Vegetation Community at the road attachment:**

**Existing Vegetation Community at the pipeline:** NA

**Existing Vegetation Community at the pipeline attachment:**

**Existing Vegetation Community at other disturbances:** NA

**Existing Vegetation Community at other disturbances attachment:**

**Non native seed used?** NO

**Non native seed description:**

**Seedling transplant description:**

**Will seedlings be transplanted for this project?** NO

**Seedling transplant description attachment:**

**Will seed be harvested for use in site reclamation?** NO

**Seed harvest description:**

**Seed harvest description attachment:**

## Seed Management

### Seed Table

**Seed type:**

**Seed source:**

**Seed name:**

**Source name:**

**Source address:**

**Source phone:**

**Seed cultivar:**

**Seed use location:**

**PLS pounds per acre:**

**Proposed seeding season:**

### Seed Summary

**Total pounds/Acre:**

Seed Type	Pounds/Acre
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**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

**Seed reclamation attachment:**

**Operator Contact/Responsible Official Contact Info**

**First Name:** Bradley

**Last Name:** Bishop

**Phone:** (575)393-5905

**Email:** bbishop@mewbourne.com

**Seedbed prep:** Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.

**Seed BMP:** To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used.

**Seed method:** drilling or broadcasting seed over entire reclaimed area.

**Existing invasive species?** NO

**Existing invasive species treatment description:**

**Existing invasive species treatment attachment:**

**Weed treatment plan description:** NA

**Weed treatment plan attachment:**

**Monitoring plan description:** vii. All reclaimed areas will be monitored periodically to ensure that revegetation occurs, that the area is not redisturbed, and that erosion and invasive/noxious weeds are controlled.

**Monitoring plan attachment:**

**Success standards:** regrowth within 1 full growing season of reclamation.

**Pit closure description:** NA

**Pit closure attachment:**

**Section 11 - Surface Ownership**

**Disturbance type:** EXISTING ACCESS ROAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

**Fee Owner:** Pecos Valley Artesian Conservation  
District

**Phone:** (575)622-7000

**Fee Owner Address:** PO Box 1346 Roswell NM 88202

**Email:**

**Surface use plan certification:** NO

**Surface use plan certification document:**

**Surface access agreement or bond:** Agreement

**Surface Access Agreement Need description:** SUA in place

**Surface Access Bond BLM or Forest Service:**

**BLM Surface Access Bond number:**

**USFS Surface access bond number:**

**Disturbance type:** WELL PAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**



**Operator Name:** MEWBOURNE OIL COMPANY

**Well Name:** CAPER 20/29 B3BO FED COM

**Well Number:** 2H

**Fee Owner:** Pecos Valley Artesian Conservation District

**Phone:** (575)622-7000

**Fee Owner Address:** PO Box 1346 Roswell NM 88202

**Email:**

**Surface use plan certification:** NO

**Surface use plan certification document:**

**Surface access agreement or bond:** Agreement

**Surface Access Agreement Need description:** SUA in place

**Surface Access Bond BLM or Forest Service:**

**BLM Surface Access Bond number:**

**USFS Surface access bond number:**

## Section 12 - Other Information

**Right of Way needed?** NO

**Use APD as ROW?**

**ROW Type(s):**

### ROW Applications

**SUPO Additional Information:** NONE

**Use a previously conducted onsite?** YES

**Previous Onsite information:** MAY 15 2017 Met with Brooke Wilson & Jim Rutley (BLM) & RRC Surveying and staked location @ 200' FSL & 2300' FEL, Sec 17, T21S, R32E, Lea Co., NM. Location unacceptable due to buried pipelines and playa lake. Re- staked location @ 950' FSL & 2300' FEL, Sec 17, T21S, R32E, Lea Co., NM. (Elevation @ 3639'). This appears to be a drillable location with pit area to E. Approx 75' of new road needed off S side of pad. Pad is 400' x 500'. Will share pad with 3 other wells. Topsoil E. Reclaim N, E & W 70'. Lat. 32.47404 N, Long 103.6957 W NAD83. Offsite battery 200' x 300' NE of pad. Lat. 32.47514 N, Long 103.6932 W NAD 83.

### Other SUPO Attachment

Caper20\_29B3BOFedCom2H\_interimreclamationdiagram\_06-01-2017.pdf



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## PWD Data Report

08/02/2018

### Section 1 - General

Would you like to address long-term produced water disposal? NO

### Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

### **Section 3 - Unlined Pits**

**Would you like to utilize Unlined Pit PWD options? NO**

**Produced Water Disposal (PWD) Location:**

**PWD surface owner:**

**PWD disturbance (acres):**

**Unlined pit PWD on or off channel:**

**Unlined pit PWD discharge volume (bbl/day):**

**Unlined pit specifications:**

**Precipitated solids disposal:**

**Describe precipitated solids disposal:**

**Precipitated solids disposal permit:**

**Unlined pit precipitated solids disposal schedule:**

**Unlined pit precipitated solids disposal schedule attachment:**

**Unlined pit reclamation description:**

**Unlined pit reclamation attachment:**

**Unlined pit Monitor description:**

**Unlined pit Monitor attachment:**

**Do you propose to put the produced water to beneficial use?**

**Beneficial use user confirmation:**

**Estimated depth of the shallowest aquifer (feet):**

**Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?**

**TDS lab results:**

**Geologic and hydrologic evidence:**

**State authorization:**

**Unlined Produced Water Pit Estimated percolation:**

**Unlined pit: do you have a reclamation bond for the pit?**

**Is the reclamation bond a rider under the BLM bond?**

**Unlined pit bond number:**

**Unlined pit bond amount:**

**Additional bond information attachment:**

### **Section 4 - Injection**

**Would you like to utilize Injection PWD options? NO**

**Produced Water Disposal (PWD) Location:**

**PWD surface owner:**

**PWD disturbance (acres):**

**Injection PWD discharge volume (bbl/day):**

**Injection well mineral owner:**

**Injection well type:**

**Injection well number:**

**Injection well name:**

**Assigned injection well API number?**

**Injection well API number:**

**Injection well new surface disturbance (acres):**

**Minerals protection information:**

**Mineral protection attachment:**

**Underground Injection Control (UIC) Permit?**

**UIC Permit attachment:**

### **Section 5 - Surface Discharge**

**Would you like to utilize Surface Discharge PWD options? NO**

**Produced Water Disposal (PWD) Location:**

**PWD surface owner:**

**PWD disturbance (acres):**

**Surface discharge PWD discharge volume (bbl/day):**

**Surface Discharge NPDES Permit?**

**Surface Discharge NPDES Permit attachment:**

**Surface Discharge site facilities information:**

**Surface discharge site facilities map:**

### **Section 6 - Other**

**Would you like to utilize Other PWD options? NO**

**Produced Water Disposal (PWD) Location:**

**PWD surface owner:**

**PWD disturbance (acres):**

**Other PWD discharge volume (bbl/day):**

**Other PWD type description:**

**Other PWD type attachment:**

**Have other regulatory requirements been met?**

**Other regulatory requirements attachment:**



**U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT**

## **Bond Info Data Report**

08/02/2018

### **Bond Information**

**Federal/Indian APD: FED**

**BLM Bond number: NM1693**

**BIA Bond number:**

**Do you have a reclamation bond? NO**

**Is the reclamation bond a rider under the BLM bond?**

**Is the reclamation bond BLM or Forest Service?**

**BLM reclamation bond number:**

**Forest Service reclamation bond number:**

**Forest Service reclamation bond attachment:**

**Reclamation bond number:**

**Reclamation bond amount:**

**Reclamation bond rider amount:**

**Additional reclamation bond information attachment:**