

HOBBS OCD

Form 3160-3  
(March 2012)

JUN 18 2018

Carlsbad Field Office  
OCD Hobbs

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

MIN F  
SURF F

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMLC0029415A	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator BURNETT OIL COMPANY INCORPORATED (3080)		7. If Unit or CA Agreement, Name and No.	
3a. Address Burnett Plaza - Suite 1500, 801 Cherry Street		8. Lease Name and Well No. (321320) PARTITION 24 FED HE 1H	
3b. Phone No. (include area code) (817)583-8730		9. API Well No. 30-025-44903	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface LOT 2 / 1486 FNL / 229 FWL / LAT 32.823348 / LONG -103.813742 At proposed prod. zone TR E / 1652 FNL / 290 FWL / LAT 32.822862 / LONG -103.830796		11. Sec., T. R. M. or Blk. and Survey or Area SEC 19 / T17S / R32E / NMP	
14. Distance in miles and direction from nearest town or post office* 4 miles		12. County or Parish LEA	13. State NM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 229 feet	16. No. of acres in lease 640	17. Spacing Unit dedicated to this well 160	
18. Distance from proposed location* to nearest well, drilling, completed, 200 feet applied for, on this lease, ft.	19. Proposed Depth 5492 feet / 10506 feet	20. BLM/BIA Bond No. on file FED: NMB000197	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3929 feet	22. Approximate date work will start* 11/01/2018	23. Estimated duration 15 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) Leslie Garvis / Ph: (817)583-8730	Date 11/09/2017
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Title  
Regulatory Coordinator

Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Cody Layton / Ph: (575)234-5959	Date 05/16/2018
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Title  
Supervisor Multiple Resources  
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)

GCP Rec 06/14/18

APPROVED WITH CONDITIONS  
Approval Date: 05/16/2018

\*(Instructions on page 2)  
Ka  
06/14/18

Double sided

## 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.

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(Continued on page 3)

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**Approval Date: 05/16/2018**

## **Additional Operator Remarks**

### **Location of Well**

1. SHL: LOT 2 / 1486 FNL / 229 FWL / TWSP: 17S / RANGE: 32E / SECTION: 19 / LAT: 32.823348 / LONG: -103.813742 ( TVD: 0 feet, MD: 0 feet )

PPP: TR H / 1651 FNL / 330 FEL / TWSP: 17S / RANGE: 31E / SECTION: 24 / LAT: 32.822893 / LONG: -103.815562 ( TVD: 5533 feet, MD: 5825 feet )

BHL: TR E / 1652 FNL / 290 FWL / TWSP: 17S / RANGE: 31E / SECTION: 24 / LAT: 32.822862 / LONG: -103.830796 ( TVD: 5492 feet, MD: 10506 feet )

## **BLM Point of Contact**

Name: Katrina Ponder

Title: Geologist

Phone: 5752345969

Email: kponder@blm.gov

## **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.



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



**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:** Leslie Garvis

**Signed on:** 11/08/2017

**Title:** Regulatory Coordinator

**Street Address:** Burnett Plaza - Suite 1500, 801 Cherry Street - Unit 9

**City:** Fort Worth

**State:** TX

**Zip:** 76102

**Phone:** (817)583-8730

**Email address:** lgarvis@burnettoil.com

**Field Representative**

**Representative Name:** Tyler Deans

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**

APD ID: 10400023879

Submission Date: 11/09/2017



Operator Name: BURNETT OIL COMPANY INCORPORATED

Well Name: PARTITION 24 FED HE

Well Number: 1H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

**Section 1 - General**

APD ID: 10400023879

Tie to previous NOS?

Submission Date: 11/09/2017

BLM Office: CARLSBAD

User: Leslie Garvis

Title: Regulatory Coordinator

Federal/Indian APD: FED

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

Lease number: NMLC0029415A

Lease Acres: 640

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? NO

Permitting Agent? NO

APD Operator: BURNETT OIL COMPANY INCORPORATED

Operator letter of designation:

**Operator Info**

Operator Organization Name: BURNETT OIL COMPANY INCORPORATED

Operator Address: Burnett Plaza - Suite 1500, 801 Cherry Street - Unit 9

Zip: 76102

Operator PO Box:

Operator City: Fort Worth

State: TX

Operator Phone: (817)583-8730

Operator Internet Address:

**Section 2 - Well Information**

Well in Master Development Plan? NO

Mater Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: PARTITION 24 FED HE

Well Number: 1H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: FREN

Pool Name: GLORIETA YESO

Is the proposed well in an area containing other mineral resources? NATURAL GAS

**Operator Name:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

**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:** HE

**Well Class:** HORIZONTAL

PARTITION 24 FED

**Number of Legs:** 1

**Well Work Type:** Drill

**Well Type:** OIL WELL

**Describe Well Type:**

**Well sub-Type:** INFILL

**Describe sub-type:**

**Distance to town:** 4 Miles

**Distance to nearest well:** 200 FT

**Distance to lease line:** 229 FT

**Reservoir well spacing assigned acres Measurement:** 160 Acres

**Well plat:** P24FHE1H\_Well\_Plats\_20171106102632.pdf

**Well work start Date:** 11/01/2018

**Duration:** 15 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	148 6	FNL	229	FWL	17S	32E	19	Lot 2	32.82334 8	- 103.8137 42	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 029405 A	392 9	0	0
KOP Leg #1	148 6	FNL	229	FWL	17S	32E	19	Lot 2	32.82334 8	- 103.8137 42	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 029405 A	392 9	0	0
PPP Leg #1	165 1	FNL	330	FEL	17S	31E	24	Tract H	32.82289 3	- 103.8155 62	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMLC0 029415 A	- 160 4	582 5	553 3

**Operator Name:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

	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
EXIT Leg #1	165 1	FNL	331	FWL	17S	31E	24	Tract F	32.82286 5	- 103.8306 63	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMLCO 029415 A	- 156 4	105 06	549 3
BHL Leg #1	165 2	FNL	290	FWL	17S	31E	24	Tract F	32.82286 2	- 103.8307 96	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMLCO 029415 A	- 156 3	105 06	549 2





APD ID: 10400023879

Submission Date: 11/09/2017



Operator Name: BURNETT OIL COMPANY INCORPORATED

Well Name: PARTITION 24 FED HE

Well Number: 1H

[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	RUSTLER	0	0	0	ALLUVIUM	NONE	No
2	RUSTLER ANHYDRITE	-623	623	623	ANHYDRITE	NONE	No
3	SALADO	-784	784	784	SALT	NONE	No
4	BASE OF SALT	-1815	1815	1815	SALT	NONE	No
5	YATES	-2003	2003	2003	SHALE	NONE	No
6	SEVEN RIVERS	-2333	2333	2333	ANHYDRITE	OIL	No
7	QUEEN	-2938	2938	2938	SHALE	OIL	No
8	GRAYBURG	-3314	3314	3314	DOLOMITE	OIL	No
9	SAN ANDRES	-3645	3645	3645	DOLOMITE	OIL	No
10	GLORIETA	-5218	5218	5218	SHALE	OIL	Yes
11	YESO	-5309	5309	5309	SHALE	OIL	Yes

### Section 2 - Blowout Prevention

Pressure Rating (PSI): 3M

Rating Depth: 6000

**Equipment:** The blowout prevention equipment (BOPE) shown in the attached diagram will consist of a 3000 PSI Hydril Unit (annular) with hydraulic closing equipment. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines and choke manifold having 3000 PSI WP rating.

**Requesting Variance?** NO

**Variance request:**

**Testing Procedure:** The equipment will comply with Onshore Order #2. BOPE will be tested to 3,000 psi and the Annular tested to 1,500 psi and maintained for at least ten (10) minutes. The 13 3/8" drilling head will be installed on the surface casing and in use continuously until total depth is reached. An independent testing company will be used for the testing.

**Operator Name:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

**Choke Diagram Attachment:**

P24FHE1H\_Choke\_Manifold\_Diagram\_20171106142428.pdf

**BOP Diagram Attachment:**

P24FHE1H\_BOP\_Schematic\_APD\_20171106142453.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	CONDUCTOR	24	20.0	NEW	API	N	0	90	0	90			90	OTHER	52.78	OTHER - null							
2	SURFACE	17.5	13.375	NEW	API	N	0	720	0	720			720	J-55	48	STC	1.125	1	DRY	1.8	DRY	1.8	
3	INTERMEDIATE	12.25	9.875	NEW	API	N	0	2000	0	2000			2000	J-55	36	STC	1.125	1	DRY	1.8	DRY	1.8	
4	PRODUCTION	8.5	7.0	NEW	API	N	0	4800	0	4800			4800	L-80	26	LTC	1.125	1	DRY	1.8	DRY	1.8	
5	PRODUCTION	8.5	5.5	NEW	API	N	4800	10506	4800	10506			5706	L-80	17	LTC	1.125	1	DRY	1.8	DRY	1.8	

**Casing Attachments**

**Casing ID:** 1      **String Type:** CONDUCTOR

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

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

**Operator Name:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

**Casing Attachments**

---

**Casing ID:** 2      **String Type:** SURFACE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

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

P24FHE1H\_Casing\_Design\_Worksheet\_20171106144249.pdf

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**Casing ID:** 3      **String Type:** INTERMEDIATE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

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

P24FHE1H\_Casing\_Design\_Worksheet\_20171106145034.pdf

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**Casing ID:** 4      **String Type:** PRODUCTION

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

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

P24FHE1H\_Casing\_Design\_Worksheet\_20171106145147.pdf

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Operator Name: BURNETT OIL COMPANY INCORPORATED

Well Name: PARTITION 24 FED HE

Well Number: 1H

Casing Attachments

Casing ID: 5 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

P24FHE1H\_Casing\_Design\_Worksheet\_20171106145349.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
CONDUCTOR	Lead		0	0	0	0	0	0	0	0	0
PRODUCTION	Lead		0	0	0	0	0	0	0	0	0
SURFACE	Lead		0	720	330	1.75	13.5	94	100	ExtendaCem	CZ 0.1250 lbm PolyEFLAKE
SURFACE	Tail		0	720	340	1.35	14.8	0	100	HalCem 2% Calcium Chloride	Flake
INTERMEDIATE	Lead		0	2000	475	1.75	13.5	94	50	ExtendaCem	CZ 0.1250 lbm Poly-E-Flake
INTERMEDIATE	Tail		0	2000	205	1.33	14.8	0	50	HalCem	none
PRODUCTION	Lead		0	1050 6	255	2.46	14.24	94	35	EconoCem-C	0.1250 lbm Poly-E-Flake, 0.25 lbm D-Air 5000
PRODUCTION	Tail		0	1050 6	170	1.33	14.8	0	35	Halchem	0.50% LAP-1, 0.25 lbm D-Air 5000, 0.40% CFR-3,0 10% HR800

**Operator Name:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

### 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:** The necessary mud products for weight addition and fluid loss will be on locations at all times.

**Describe the mud monitoring system utilized:** Pason equipment will be used to monitor the mud system.

### 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
2000	1050 6	WATER-BASED MUD	9.5	10							
720	2000	WATER-BASED MUD	9.5	10							
0	720	WATER-BASED MUD	8.4	9.5							

### Section 6 - Test, Logging, Coring

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

No open hole logs will be run.

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

DS,MUDLOG

**Coring operation description for the well:**

No cores or DSTs are planned at this time.

**Operator Name:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

### Section 7 - Pressure

**Anticipated Bottom Hole Pressure:** 2435

**Anticipated Surface Pressure:** 1217.74

**Anticipated Bottom Hole Temperature(F):** 105

**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:**

P24FHE1H\_H2S\_Plan\_20171106154755.pdf

P24FHE1H\_H2S\_Contingency\_20171106154810.pdf

P24FHE1H\_Emergency\_Contact\_20171106154824.pdf

### Section 8 - Other Information

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

P24FHE1H\_Hz\_Plan2\_20171106155048.pdf

P24FHE1H\_Plot\_Plan2\_20171106155106.pdf

P24FHE1H2\_AC\_Report\_20171106155123.pdf

**Other proposed operations facets description:**

Drilling Plan Attached for Reference

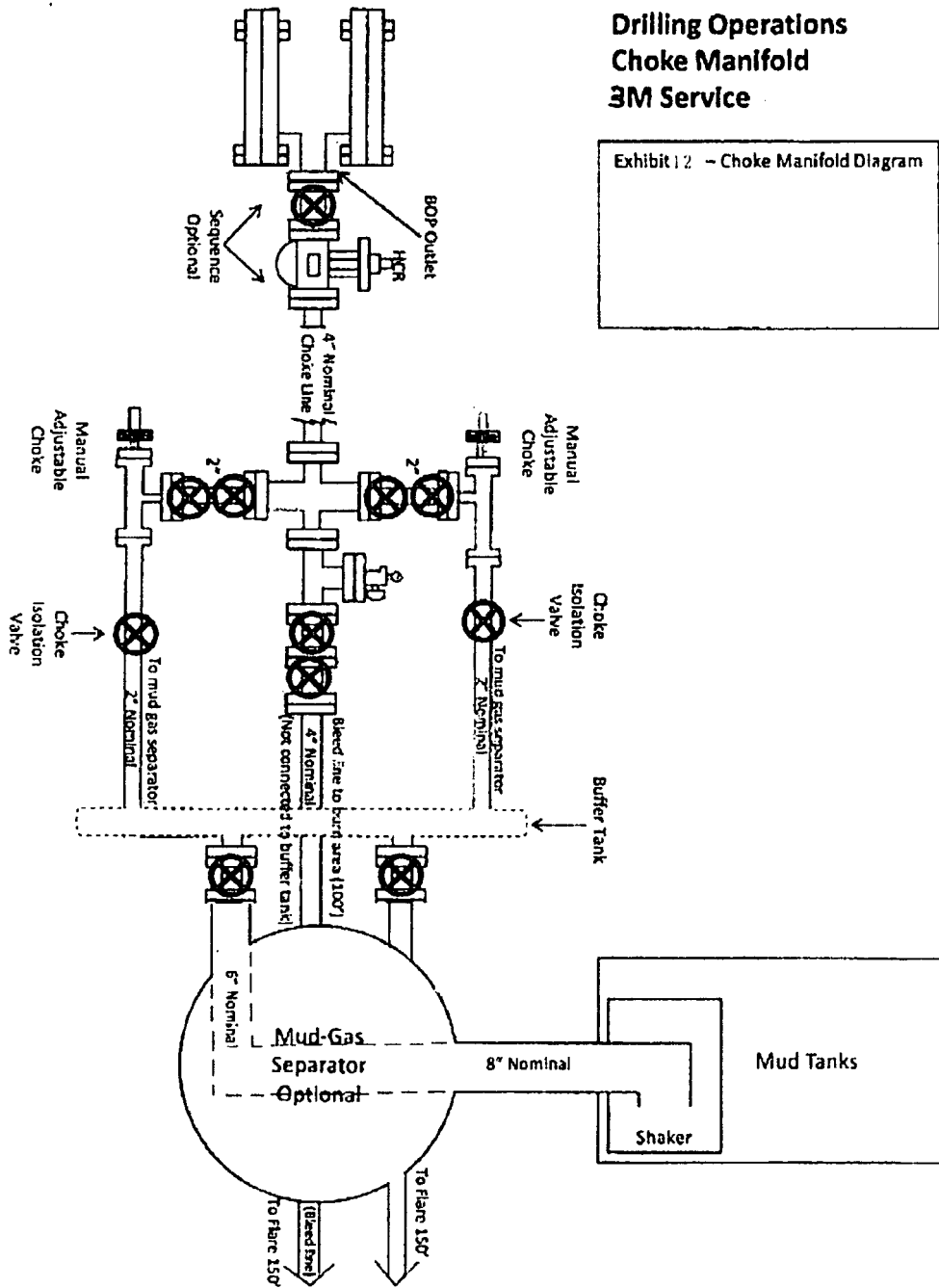
**Other proposed operations facets attachment:**

2017.11.8\_Partition\_24\_Fed\_HE\_1H\_Drlg\_Plan\_20171108131106.pdf

**Other Variance attachment:**

**Drilling Operations  
Choke Manifold  
3M Service**

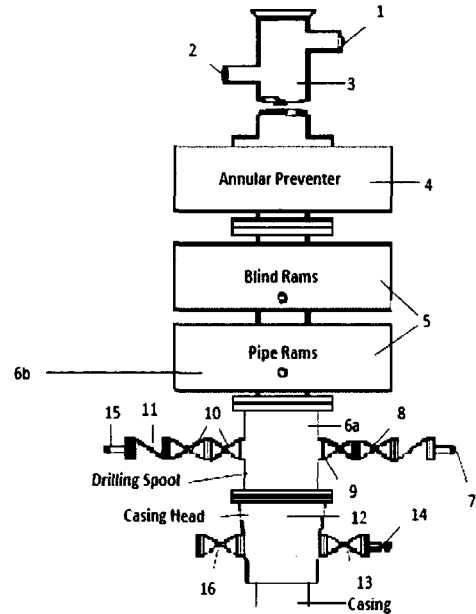
Exhibit 12 - Choke Manifold Diagram



**Mack Energy Corporation**  
**Minimum Blowout Preventer Requirements**  
**3000 psi Working Pressure**  
**13 5/8 inch- 5 MWP**  
**11 Inch - 5 MWP**  
**EXHIBIT #10**

**Stack Requirements**

NO.	Items	Min. I.D.	Min. Nominal
1	Flowline		2"
2	Fill up line		2"
3	Drilling nipple		
4	Annular preventer		
5	Two single or one dual hydraulically operated rams		
6a	Drilling spool with 2" min. kill line and 3" min choke line outlets		2" Choke
6b	2" min. kill line and 3" min. choke line outlets in ram. (Alternate to 6a above)		
7	Valve Gate Plug	3 1/8	
8	Gate valve-power operated	3 1/8	
9	Line to choke manifold		3"
10	Valve Gate Plug	2 1/16	
11	Check valve	2 1/16	
12	Casing head		
13	Valve Gate Plug	1 13/16	
14	Pressure gauge with needle valve		
15	Kill line to rig mud pump manifold		2"



**OPTIONAL**

16	Flanged Valve	1 13/16	
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CONTRACTOR'S OPTION TO FURNISH: 10. ME

1. All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 2000 psi minimum.
2. Automatic accumulator (80 gallons, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure.
3. BOP controls, to be located near drillers' position.
4. Kelly equipped with Kelly cock.
5. Inside blowout preventer or its equivalent on derrick floor at all times with proper threads to fit pipe being used.
6. Kelly saver-sub equipped with rubber casing protector at all times.
7. Plug type blowout preventer tester.
8. Extra set pipe rams to fit drill pipe in use on location at all times.
9. Type RX ring gaskets in place of Type R.

MEC TO FURNISH:

1. Bradenhead or casing head and side valves.
2. Wear bushing. If required.

**GENERAL NOTES:**

1. Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
2. All connections, valves, fittings, piping, etc., subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through choke valves must be full opening and suitable for high pressure mud service.
3. Controls to be of standard design and each marked, showing opening and closing position
4. Chokes will be positioned so as not to hamper or delay changing of choke beans.

5. Replaceable parts for adjustable choke, or bean sizes, retainers, and choke wrenches to be conveniently located for immediate use.
5. All valves to be equipped with hand-wheels or handles ready for immediate use.
6. Choke lines must be suitably anchored.
7. Handwheels and extensions to be connected and ready for use.
8. Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
9. All seamless steel control piping (2000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
10. Casinghead connections shall not be used except in case of emergency.
11. Does not use kill line for routine fill up operations.









APD ID: 10400023879

Submission Date: 11/09/2017

Operator Name: BURNETT OIL COMPANY INCORPORATED

Well Name: PARTITION 24 FED HE

Well Number: 1H

Well Type: OIL WELL

Well Work Type: Drill

[Show Final Text](#)**Section 1 - Existing Roads**

Will existing roads be used? YES

Existing Road Map:

P24FHE1H\_Existing\_Roads\_20171108102503.pdf

Existing Road Purpose: ACCESS

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? NO

**Section 3 - Location of Existing Wells**

Existing Wells Map? YES

Attach Well map:

P24FHE1H\_Existing\_Wells\_20171108102625.pdf

**Operator Name:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

**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:** Existing Facility

**Production Facilities map:**

Partition\_Battery\_Diagram\_20171108102744.pdf

P24FHE1H\_Flowlines\_20171108132716.pdf

### Section 5 - Location and Types of Water Supply

#### Water Source Table

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

**Water source type:** OTHER

**Describe type:** Proposed Partition 24 Fed Unit B Frac Pond

**Source latitude:**

**Source longitude:**

**Source datum:**

**Water source permit type:** OTHER

**Source land ownership:** FEDERAL

**Water source transport method:** PIPELINE

**Source transportation land ownership:** FEDERAL

**Water source volume (barrels):** 0

**Source volume (acre-feet):** 0

**Source volume (gal):** 0

**Water source and transportation map:**

2017.09.15\_PARTITION\_24\_FED\_UNIT\_B\_FRAC\_POND\_20171108103057.pdf

**Water source comments:** Proposed Frac Pond - pending approval. See attached SUPO for alternate water sources.

**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:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

**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:** All construction material for the roadway and drilling pad will be native caliche from the nearest BLM approved pit located at NW ¼ SE ¼ of Section 11 in T17S, R31 E, Eddy County, NM, or from existing available deposits found on the location. All will be in accordance with the drilling stipulations for this well. If caliche is flipped on location, the following process will be followed. a. A caliche permit will be obtained from BLM for the caliche pit located at NW ¼ SE ¼ of Section 11 in T17S, R31 E, Eddy County, NM by the dirt work vendor prior to pushing up any caliche. Neither caliche nor top soil will be piled outside the well pad. This location will be built utilizing part of an existing location. Topsoil Stockpile will be on the North side of the pad. When caliche is found , material will be stock piled with in the pad site to build the location and road.

**Construction Materials source location attachment:**

### **Section 7 - Methods for Handling Waste**

**Waste type:** DRILLING

**Waste content description:** Drill cuttings will be disposed of in a closed loop system using steel haul off tanks. All drilling fluids will be hauled off location to a contracted off lease disposal location. Trash, waste paper, garbage and junk will be placed in a portable, screened trash container on location. All trash and debris will be transported to an authorized off-lease disposal station within thirty (30) days following the completion activities. A properly maintained Porto-john will be provided for the crews during drilling and completion operations. All will be removed after all completion operations have ended. Waste amount is TBD at this time.

**Amount of waste:** 0                      barrels

**Waste disposal frequency :** One Time Only

**Safe containment description:** Oil produced during testing will be put into steel storage tank for later sales. Water produced during testing operations will be put in the steel frac tanks pit until well is turned to the lease tank battery. All produced water will be disposed of through one of our approved disposal methods

**Safe containmant attachment:**

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

**Disposal type description:**

**Disposal location description:** Off lease disposal location

**Reserve Pit**

**Operator Name:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

**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**

### Section 8 - Ancillary Facilities

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

**Ancillary Facilities attachment:**

**Comments:**

### Section 9 - Well Site Layout

**Well Site Layout Diagram:**

Rig\_Layout\_P24FHE1H\_20171108135026.pdf

**Comments:**

**Operator Name:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

**Section 10 - Plans for Surface Reclamation**

**Type of disturbance:** New Surface Disturbance

**Multiple Well Pad Name:** PARTITION 24 FED

**Multiple Well Pad Number:** HE

**Recontouring attachment:**

**Drainage/Erosion control construction:** All construction material for the roadway and drilling pad will be native caliche from the nearest BLM approved pit located at NW Y.. SE Y.. of Section 11 in T17S, R31 E, Eddy County, NM, or from existing available deposits found on the location. All will be in accordance with the drilling stipulations for this well.

**Drainage/Erosion control reclamation:** After drilling and successful completion operations are finished, all equipment and other materials not required for normal production operation will be removed. Burnett Oil respectfully requests two (2) years to downsize the drilling location in order to have room for equipment to fracture stimulate three (3) to four (4) intervals. Each one requires a large volume fracture treatment with several pumps, a large sand mover, several frac tans, a treatment can and various other vehicles and equipment. Burnett will, if all fracs are completed before the two (2) years, contact BLM to downsize the location. Refer to attached Exhibit P which shows resulting location after downsizing and showing the sides of location where the caliche would be left for use of kill trucks, hot oil trucks, foam units or whatever is needed to service unit, which is what has to happen if the location is reclaimed on all four (4) sides to the safety anchors. The pad size will be reduced to the amount required for normal operation of the producing well. This reduced portion will be restored to the BLM stipulations. If a well is abandoned, the surface location and unneeded road will be restored according to BLM stipulations within ninety (90) days of final abandon and sit re-seeded with BLM (#2) seed mix.

<b>Well pad proposed disturbance (acres):</b> 1.85	<b>Well pad interim reclamation (acres):</b> 1.32	<b>Well pad long term disturbance (acres):</b> 0
<b>Road proposed disturbance (acres):</b> 0	<b>Road interim reclamation (acres):</b> 0	<b>Road long term disturbance (acres):</b> 0
<b>Powerline proposed disturbance (acres):</b> 0.5	<b>Powerline interim reclamation (acres):</b> 0.5	<b>Powerline long term disturbance (acres):</b> 0.5
<b>Pipeline proposed disturbance (acres):</b> 1.96	<b>Pipeline interim reclamation (acres):</b> 0	<b>Pipeline long term disturbance (acres):</b> 1.96
<b>Other proposed disturbance (acres):</b> 0.5	<b>Other interim reclamation (acres):</b> 0.5	<b>Other long term disturbance (acres):</b> 0.5
<b>Total proposed disturbance:</b> 4.81	<b>Total interim reclamation:</b> 2.32	<b>Total long term disturbance:</b> 2.96

**Disturbance Comments:** Note: Powerlines are already existing and there is no other disturbance but AFMSS would not accept 0 acreage.

**Reconstruction method:** The pad size will be reduced to the amount required for normal operation of the producing well. This reduced portion will be restored to the BLM stipulations. An area approximately 120'x120' is used within the proposed site to remove caliche.

**Topsoil redistribution:** The top 6" of top soil will be pushed off and stockpiled on the East side the location. Once the well is drilled the stock piled top soil will be used for interim reclamation and spread along the areas where the caliche is picked up and the location size is reduced. Neither caliche nor top soil will be piled outside the well pad. Top soil will be stockpiled along the edge of the pad as depicted in the attached well diagram

**Soil treatment:** As Needed

**Existing Vegetation at the well pad:**

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

**Existing Vegetation Community at the road:**

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



**Operator Name:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

**Existing Vegetation Community at the pipeline:**

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

**Existing Vegetation Community at other disturbances:**

**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**

**Seed reclamation attachment:**

**Operator Contact/Responsible Official Contact Info**

**First Name:** Leslie

**Last Name:** Garvis

**Phone:** (817)583-8730

**Email:** lgarvis@burnettoil.com

**Operator Name:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

**Seedbed prep:**

**Seed BMP:**

**Seed method:**

**Existing invasive species?** NO

**Existing invasive species treatment description:**

**Existing invasive species treatment attachment:**

**Weed treatment plan description:** As needed per BLM guidelines

**Weed treatment plan attachment:**

**Monitoring plan description:** As needed per BLM guidelines

**Monitoring plan attachment:**

**Success standards:** n/a

**Pit closure description:** N/A

**Pit closure attachment:**

## **Section 11 - Surface Ownership**

**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:** BURNETT OIL COMPANY INCORPORATED

**Well Name:** PARTITION 24 FED HE

**Well Number:** 1H

### Section 12 - Other Information

**Right of Way needed?** YES

**Use APD as ROW?** YES

**ROW Type(s):** 288100 ROW – O&G Pipeline,289001 ROW- O&G Well Pad

### ROW Applications

**SUPO Additional Information:** Agreement from Lessee to use their surface space for this well is attached.

**Use a previously conducted onsite?** YES

**Previous Onsite information:** Onsite conducted and location approved on 5/8/17. NRS: F.Banos

### Other SUPO Attachment

COG\_Burnett\_Signed\_Letter\_Agreement\_20171108115716.pdf

Partiton\_24\_AD\_HE\_IL\_Reclamation\_Plat\_20171108131509.pdf

P24FHE1H\_SUPO\_20171108140505.pdf



Concho Center

July 30, 2017

**Burnett Oil Co., Inc.**

Attention: Walter M. Glasgow, Jr.  
Burnett Plaza – Suite 1500  
801 Cherry St – Unit #9  
Fort Worth, TX 76102

**COG Operating LLC**

Attention: New Mexico Shelf Land Supervisor  
One Concho Center  
600 W. Illinois Avenue  
Midland TX 79701

RE: Off-Lease Surface Locations, Maljamar Area of Lea and Eddy Counties, New Mexico

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Ladies and Gentlemen:

This letter agreement ("Agreement") dated effective July 1, 2017 shall serve as the understanding and agreement between Burnett Oil Co., Inc., ("Burnett") and COG Operating LLC ("COG") concerning off lease surface locations in the Maljamar area of Lea and Eddy Counties, New Mexico. COG and Burnett may collectively hereinafter be referred to as the "Parties" and individually as a "Party".

COG is a leasehold interest owner and operator of wells in each quarter-quarter section of Section 19 of Township 17 South, Range 32 East, Lea County, New Mexico. ConocoPhillips Company is also a leasehold interest owner and operator of certain wells within Section 19 of Township 17 South, Range 32 East, Lea County, New Mexico. Burnett is a leasehold interest owner and operator of wells in Section 24 of Township 17 South, Range 31 East, Eddy County, New Mexico. Hudson Oil Company of Texas is also an operator of certain wells within Section 24 of Township 17 South, Range 31 East, Eddy County, New Mexico.

To the extent, and only to the extent, that COG has the right to do so, COG agrees to allow Burnett to place, build and locate three (3) surface locations for well(s) and related equipment, with one (1) location to be located in the NW/4NW/4 (UL D), one (1) location to be located in the SW/4NW/4 (UL E) and one (1) location to be located in the NW/4SW/4 (UL L), all in Section 19 of Township 17 South, Range 32 East, Lea County, New Mexico. To the extent, and only to the extent, that Burnett has the right to do so, Burnett agrees to allow COG to place, build, and locate three (3) surface locations for well(s) and related equipment at locations of COG's choosing within the E2/E2 of Section 24 of Township 17 South, Range 31 East, Eddy County, New Mexico. In order to avoid wellbore collisions, Burnett agrees to furnish COG with final directional plans, information, and gyro surveys for any well(s) drilled from Section 19 within thirty (30) days of receiving such information. Additionally, in order to avoid wellbore collisions, COG agrees to furnish Burnett with final directional plans, information, and gyro surveys for any well(s) drilled from Section 24 within thirty (30) days of receiving such information.

Neither Party hereto makes any representation or warranty with regard to the sufficiency or completeness of the rights herein granted in respect of the above-referenced surface locations, including, without limitation, any representation or warranty of ownership of the surface of said lands, or ownership of all mineral depths in or under said lands. For the absence of doubt, nothing herein contained grants, or purports to grant, to any Party (i) the right to produce minerals from lands or depths in which such Party owns no interest, or (ii)

the right to production from a well, or the proceeds thereof, attributable to lands in which such Party owns no interest based solely upon the surface location at which such production is reduced to possession.

If the foregoing accurately represents your understanding of our agreement, please so indicate by signing and returning an executed counterpart of this Agreement. This Agreement shall be null and void for all purposes and of no further force and effect unless countersigned by Burnett and returned to COG on or before August 11, 2017.

**AGREED to and ACCEPTED**

COG Operating I.L.C.

Signature

*Mark A. Carter*

Date 8-10-17

By: Mark A. Carter  
Its: Land Manager of New Mexico &  
Attorney-in-Fact

**AGREED to and ACCEPTED**

Burnett Oil Co., Inc.

Signature

*Walter M. Glasgow, Jr.*

Date 7-31-17

Printed Name: WALTER M. GLASGOW, JR.

Title: VP OPERATIONS - Permian / New Mexico

**BURNETT OIL CO., INC.**  
INTERIM RECLAMATION PLAT

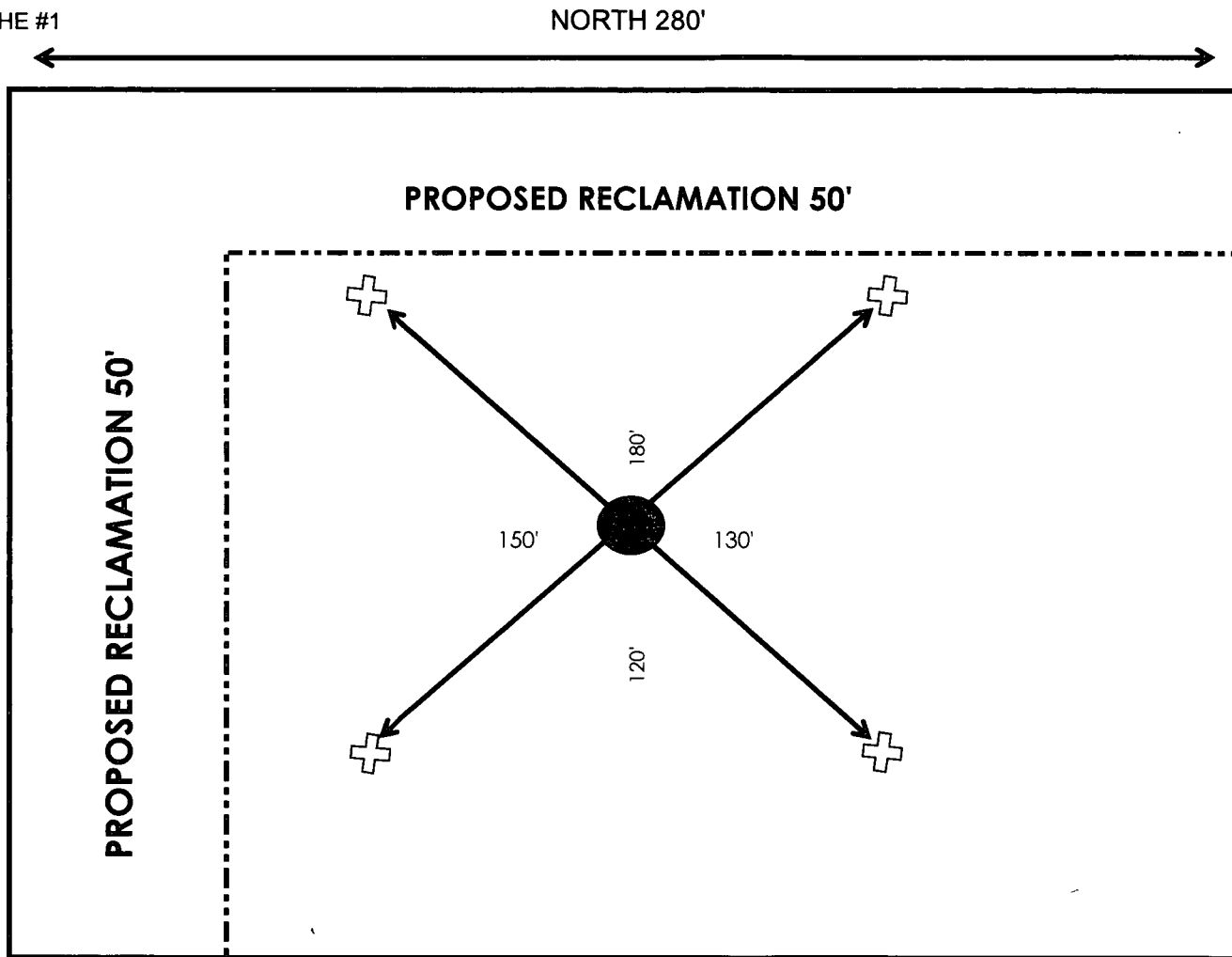
PARTITION 24 FED HE #1

1486' FNL, 229' FWL

SEC 19, T17S, R32E

NORTH 280'

WEST 300'



NOTE: RECLAIM 50' OFF NORTH, 50' OFF WEST

 ANCHOR 75' FROM WELLHEAD TO ANCHORS

WELLHEAD

NOT TO SCALE



**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:**

**Assigned injection well API number?**

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

**Minerals protection information:**

**Mineral protection attachment:**

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

**UIC Permit attachment:**

**Injection well name:**

**Injection well API number:**

### **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 Information**

**Federal/Indian APD:** FED

**BLM Bond number:** NMB000197

**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:**