

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMLC029339A

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
JACKSON A 252. Name of Operator
BURNETT OIL COMPANY INCContact: LESLIE GARVIS
E-Mail: LGARVIS@BURNETTOIL.COM9. API Well No.
30-015-32683-00-S13a. Address
801 CHERRY STREET UNIT 9 SUITE 1500
FORT WORTH, TX 76102-68813b. Phone No. (include area code)
Ph: 817-583-8730
Fx: 817-332-843810. Field and Pool or Exploratory Area
CEDAR LAKE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 13 T17S R30E SESE 330FSL 330FEL

11. County or Parish, State

EDDY COUNTY, NM

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

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

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

Burnett proposes to deepen this well following the attached procedure.

The following documents are attached:

1. Deepening Plan
2. Deepening Procedure
3. Current WBD
4. Proposed WBD
5. J-55 Specs

Carlsbad Field Office
OCD Artesia
RECEIVED**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

APR 01 2019

DISTRICT II-ARTESIA O.C.D.

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

Electronic Submission #456343 verified by the BLM Well Information System
For BURNETT OIL COMPANY INC, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 02/28/2019 (19PP1203SE)

Name (Printed/Typed) LESLIE GARVIS

Title REGULATORY MANAGER

Signature (Electronic Submission)

Date 02/28/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JEROMY PORTER

Title PETROLEUM ENGINEER

Date 03/11/2019

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

Office Carlsbad

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.

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

RWP 7-22-19

Revisions to Operator-Submitted EC Data for Sundry Notice #456343

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	DEEP NOI	DEEP NOI
Lease:	NMLC029339A	NMLC029339A
Agreement:		
Operator:	BURNETT OIL CO.INC. BURNETT PLAZA - UNIT 9 801 CHERRY STREET - SUITE 1500 FORT WORTH, TX 76102 Ph: 817-583-8730	BURNETT OIL COMPANY INC BURNETT PLAZA - UNIT 9 SUITE 1500 FORT WORTH, TX 76102-6881 Ph: 817.332.5108
Admin Contact:	LESLIE GARVIS REGULATORY MANAGER E-Mail: LGARVIS@BURNETTOIL.COM Ph: 817-583-8730 Fx: 817-332-8438	LESLIE GARVIS REGULATORY MANAGER E-Mail: LGARVIS@BURNETTOIL.COM Ph: 817-583-8730 Fx: 817-332-8438
Tech Contact:	LESLIE GARVIS REGULATORY MANAGER E-Mail: LGARVIS@BURNETTOIL.COM Ph: 817-583-8730 Fx: 817-332-8438	LESLIE GARVIS REGULATORY MANAGER E-Mail: LGARVIS@BURNETTOIL.COM Ph: 817-583-8730 Fx: 817-332-8438
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	CEDAR LAKE YESO	CEDAR LAKE
Well/Facility:	JACKSON A 25 Sec 13 T17S R30E Mer NMP SESE 330FSL 330FEL	JACKSON A 25 Sec 13 T17S R30E SESE 330FSL 330FEL



**Jackson A #25
Cedar lake Yeso
Eddy Co., NM**

SL: UNIT P, 330' FSL, 330' FEL, SEC 13, T17S, R30E

Deepening Plan

**Deepen 5-1/2" Paddock Well thru Tubb via 4" UFJ Csg
Current 5-1/2" Shoe @ 5,051', NEW Proposed 4" TD of +/- 6,900'**

1. Geological Name of Surface Formation with Estimated Depth:

<u>Geological Name</u>	<u>Estimate Top</u>	<u>Anticipated Fresh Water, Oil or Gas</u>
a. Yeso	4621'	Oil
b. Tubb	6095'	Oil

No other formations are expected to yield oil, gas or fresh water in measurable volumes.

The oil zones that we will be deepening through will be isolated by running 4" casing to total depth and circulating cement to the DV Tool.

2. Casing Program: (CASING WILL BE NEW API APPROVED MATERIAL.)

(MW = 10.2 PPG IN DESIGN FACTOR CALCULATIONS.)

a. Design Safety Factors:

<u>Type</u>	<u>Hole Size</u>	<u>Interval</u>	<u>OD Csg</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
4" UFJ	4-3/4"	+/-4,650' - TD	4"	10.8#	UFJ	J55	1.80	1.72	1.80

b. Production Casing Info

The 4" production casing will be set at TD with float shoe on bottom, float collar in first collar, centralizers throughout productive intervals and above and below a DV Tool set at +/-4,650'. We will circulate cement from TD to the DV Tool and circulate fresh water from DV Tool to surface. That will ensure we have a top of cement at +/-4,650' which is the DV Tool. This is to ensure we get good cement coverage from TD to DVT and gives us the ability to recover the 4" casing from surface to the DVT once the completion is done. This allows us to design and produce from artificial lift that can fit inside the 5-1/2" casing that could not fit inside the 4" casing which greatly increase our production efficiency once these lower intervals are completed.

Cementing Program (Note Yields and DV Tool Depth if Multiple Stage.)

Deepening Plan

BLM to be notified prior to all cementing and tag operations in order to observe the operation if desired.

c. 4" Production Casing. DV Tool @ +/- 4,650'.

Stage 1: 275 SX 50/50 POZ C + ADD @ 14.2 PPG, Yield 1.55 cu ft/sx. Includes 25% excess cement.

For accurate volumes we will collect hole volume from circulation test at TD.

Stage 2: Fresh Water. **We will circulate from Surface to DV Tool fresh water to ensure top of cement is at DVT.**

3. Pressure Control Equipment:

The BOP equipment will be a 3,000psi double ram type manually operated preventer. This equipment will nipple up to a 7 1/16" 3K flange. The pipe rams are located above the blind rams. There is no choke or kill manifold. The BOP and casing will be tested to 1,500 psi prior to drilling the new formation. Access to the annulus will be through the valves on the 5 1/2" casing head.

4. Proposed Mud Circulation System

<u>Depth</u>	<u>Mud Wt</u>	<u>Visc</u>	<u>Fluid Loss</u>	<u>Type System</u>	<u>Max Volume</u>
+/- 5,051' - TD'	10.2 max		NC	Brine Water	

The necessary mud products for weight addition and fluid loss control will be on location at all times.

5. Logging, Coring and Testing program:

- There will be no open hole logging.
- The electric logging program will consist of a cased hole "triple Combo" consisting of Spectral Gamma Dual Spaced Neutron and Spectral Density. (Chi Model) from PBTD to 5-1/2" production casing shoe

6. Potential Hazards:

No abnormal pressures or temperatures are expected. Lost circulation is not expected in production interval. Water flows can occur periodically at various depths in the production hole. All personnel will be familiar with the safe operation of the equipment being used to drill this well. The maximum anticipated bottom hole pressure is 3070#. This is based upon the following formula of .445 x BH ft. estimate. The anticipated bottom hole temperature is 105°F. This is based upon logs of wells in this area.

7. Anticipated Start Date and Duration of Operation

Road and location have already been constructed with the current production operations. Anticipated rig up date will be as soon as the sundry has been approved. Drilling operations are expected to take

Deepening Plan

approximately 11 days. If production casing is run, an additional 40 days would be required to complete the well to place the well on production.

8. Completion Procedure

Upon completion of drilling operations, this well will be perforated and frac'ed in multiple stages. Due to the completion process that Burnett utilizes, we do not anticipate any flowback. Upon completion of stimulation, the well will be put on production.

**Burnett Oil Co., Inc.
Jackson A #25
Cedar Lake Yeso
Eddy Co., NM**

OBJECTIVE: Deepen 5-1/2" Paddock Well thru Tubb via 4" UFJ Csg

BTY: JA

LEASE: LC 029339A

API#: 30-015-32683

LEGAL: SL: UNIT P, 330' FSL, 330' FEL, SEC 13, T17S, R30E

February 20, 2019

TD: 5,100'
PBSD @ +/- 5,045'
Casing: 8-5/8" 24#/ft, J-55 Set @ 500'
5-1/2" 15.5 #/ft, J-55 Set @ 5,051'
DV Tool @ 2,582'
TOC @ 970'

Existing Open Perfs: 4,687-4,938' Paddock

DRILLING PROCEDURE

1. MIRU pulling unit. POOH laying down rods and pump. Release TAC and NU BOP. TOH and LD tbg.
2. PU 2-7/8" PH6 workstring and RIH w/ bit and scraper to PBSD. POOH and LD bit and scraper.
3. PU cement retainer and TIH.
4. Pump through retainer and set @ +/- 4490'. Pump 300 sx of Class C w/ 2% CaCl₂ + 3 ppg LCM. Yield 1.37. Wash up lines and then hesitate down tubing. If no squeeze obtained, over displace 10 bbl and repeat.
5. Once squeeze is obtained, sting out and reverse out tubing. POOH w/ setting tool.
6. Wait on cement at least 12 hours. Test BOP and casing to 1500 psi (as per BLM) and send in chart from test.
7. TIH w/ bit. Tag cement retainer. Drill out and push to PBSD at 5,045'. Test squeeze to 200 psi for 30 minutes.
8. TOOH w/ bit and workstring.
9. PU 4-3/4" workover bit and 6 3-1/2" DC's. Drill out shoe and 25' of new hole to 5,125' circulating w/ 2% KCl.
10. POOH w/ workover bit. PU 4-3/4" bit, 14 3-1/2" DC's and motor. If driller has not run a motor, you can utilize a motor man for this well to help him learn. Do not have motor man on location until you plan to RIH w/ motor.
11. Drill using varying weights and RPM's to optimize drill rate. Drill to at least 6,900'. Make hole fit pipe.
12. The electric logging program will consist of a cased hole "triple Combo" consisting of Spectral Gamma Dual Spaced Neutron and Spectral Density. (Chi Model) from TD to 5-1/2" production casing shoe.
13. TIH and circulate clean. POOH laying down drill string.

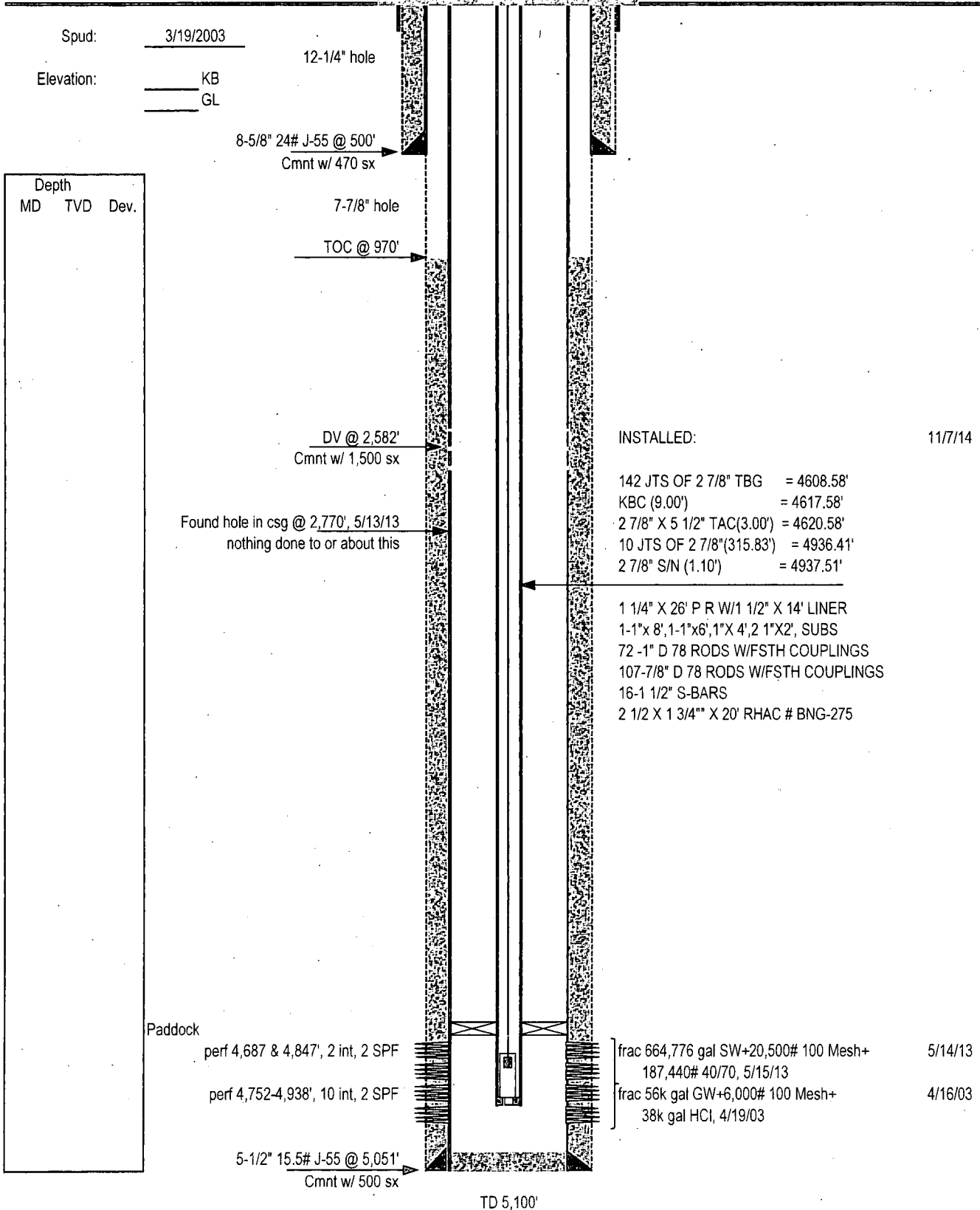
14. Run 4" 10.8# LTC J-55 ULTFJ casing w/ float shoe and float collar. Centralizer depths to be provided after logging. Run DV tool and set no deeper than 4,650' KB.
15. Confirm annular volume with circulation test.
16. Cement casing w/ 275 SX 50/50 POZ C + ADD @ 14.2 PPG, Yield 1.55 cu ft/sx. 25% excess cement. Batch mix cement to ensure good cement throughout job. Make sure field blends are tested prior to pumping.
17. Drop DV plug and open stage tool. Circulate cement from top of DV tool out of hole with fresh water.
18. Pickup 3.29" bit and 2-3/8" work string w/ turned down collars. Drill out DV tool and chase to PBTD.
19. POOH w/ bit and LD bit. PU 3.29" string mill and RIH and clean up DV tool. Work through DV tool several times. POOH laying down tbg and string mill.
20. MIRU Halliburton and run 3.25" gauge ring to PBTD. Run Radial Cement bond log from TD to 200' above TOC. RDMO Halliburton.
21. MIRU Scientific Drilling and run deviation survey from TD to +/-4,900'. RDMO Scientific Drilling. Report survey results for the following depths: 4950', 5350', 5750, 6150', and TD.

COMPLETION PROCEDURE

1. Complete the Tubb and Blinbry in 2-3 stages as specified by Geo, Contact Tyler Deans at 432-553-4699 or tdeans@burnettoil.com for specific depths, hole count, and volumes for each stage. Monitor 5-1/2" X 4" Annulus during job. Overflush each stage by 100 bbl FW.
2. RDMO Elite & Frac equipment. Upon completion of the top completion interval, wait at least 12 hours before getting back on the well to let resin coated sand set up.
3. RU Bailer. Bail down to PBTD.
4. RIH & Cut or Back Off 4" UFJ casing at +/- 4,960' (@ DV TOOL or just above). POOH W/ 4", leaving 4" liner from 4,650' to TD 6,900'.
5. Pickup & RIH w/ Artificial Lift Design.
6. RDMO PU & Kill Truck, Return Well to Production.

Date: 6/26/2015

WELL	Jackson A 25	FIELD	Cedar Lake Yeso	CO/ST	Eddy Co., NM
Location:	UNIT P, 330' FSL, 330' FEL, SEC 13, T17S, R30E				
☒	PRESENT COMPLETION	☐	RECOMMENDED COMPLETION	API #	30-015-32683
PERMANENT WELL BORE DATA			DATA ON THIS COMPLETION		



WELL COMPLETION SKETCH

Date: 8/8/2018

WELL Jackson A 25	FIELD Cedar Lake Yeso	CO/ST Eddy Co., NM
Location: UNIT P, 330' FSL, 330' FEL, SEC 13, T17S, R30E		
☐ PRESENT COMPLETION	☒ RECOMMENDED COMPLETION	API # 30-015-32683
PERMANENT WELL BORE DATA		DATA ON THIS COMPLETION

Spud: 3/19/2003

Elevation: KB
GL

12-1/4" hole

8-5/8" 24# J-55 @ 500'
Cmnt w/ 470 sx

TOC @ 970'

7-7/8" hole

DV @ 2,582'
Cmnt w/ 1,500 sx

Found hole in csg @ 2,770', 5/13/13

Proposed TOC & TOL @ 4,650'

Paddock

perf 4,687 & 4,847', 2 int, 2 SPF

perf 4,752-4,938', 10 int, 2 SPF

5-1/2" 15.5# J-55 @ 5,051'
Cmnt w/ 500 sx

4" 10.8# ULTFJ LTC J-55 @ 6,900'

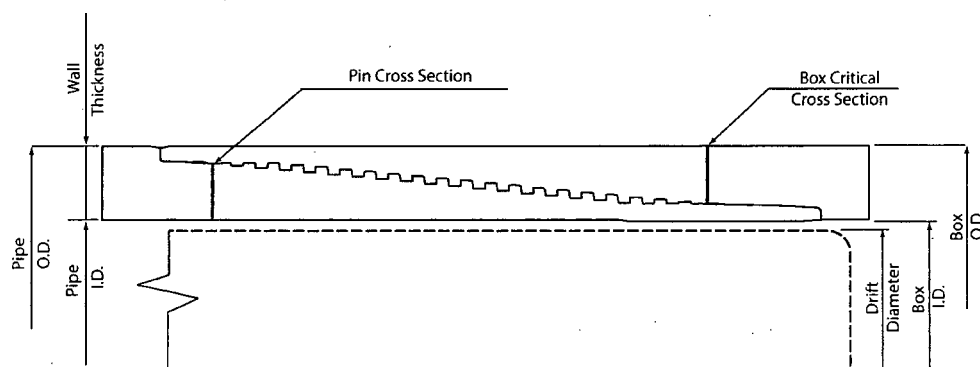
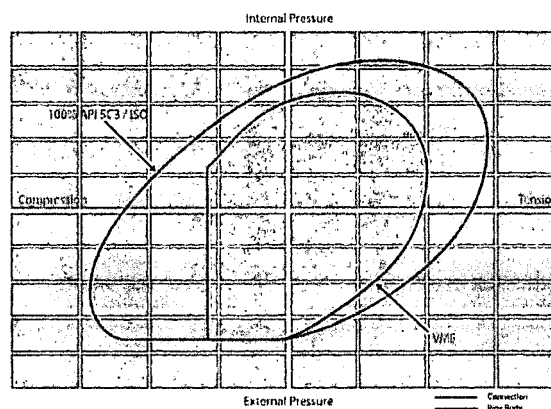
TD 6,900'

Proposed

frac 664,776 gal SW+20,500# 100 Mesh+	5/14/13
187,440# 40/70, 5/15/13	
frac 56k gal GW+6,000# 100 Mesh+	4/16/03
38k gal HCl, 4/19/03	

TECHNICAL DATA SHEET TMK UP FJ 4 X 10.8 J55

TUBULAR PARAMETERS		PIPE BODY PROPERTIES	
Nominal OD, (inch)	4.000	PE Weight, (lbs/ft)	10.46
Wall Thickness, (inch)	0.262	Nominal Weight, (lbs/ft)	10.80
Pipe Grade	J55	Nominal ID, (inch)	3.476
Drift	Standard	Drift Diameter, (inch)	3.351
		Nominal Pipe Body Area, (sq inch)	3.077
		Yield Strength in Tension, (klbs)	169
		Min. Internal Yield Pressure, (psi)	6 300
		Collapse Pressure, (psi)	6 590
CONNECTION PARAMETERS			
Connection OD (inch)	4.00		
Connection ID, (inch)	3.467		
Make-Up Loss, (inch)	3.766		
Connection Critical Area, (sq inch)	1.214		
Yield Strength in Tension, (klbs)	106		
Yield Strength in Compression, (klbs)	106		
Tension Efficiency	63%		
Compression Efficiency	63%		
Min. Internal Yield Pressure, (psi)	6 300		
Collapse Pressure, (psi)	6 590		
Uniaxial Bending (deg/100ft)	39.0		
MAKE-UP TORQUES			
Yield Torque, (ft-lb)	3 600		
Minimum Make-Up Torque, (ft-lb)	2 100		
Optimum Make-Up Torque, (ft-lb)	2 300		
Maximum Make-Up Torque, (ft-lb)	2 500		



NOTE: The content of this Technical Data Sheet is for general information only and does not guarantee performance or imply fitness for a particular purpose, which only a competent, drilling professional can determine considering the specific installation and operation parameters. This information supersedes all prior versions for this connection. Information that is printed or downloaded is no longer controlled by TMK and might not be the latest information. Anyone using the information herein does so at their own risk. To verify that you have the latest technical information, please contact PAO "TMK" Technical Sales in Russia (Tel. +7 (495) 775-76-00, Email: techsales@tmk-group.com) and TMK IPSCO in North America (Tel. +1 (281)949-1044, Email: techsales@tmk-ipSCO.com).

Print date: 05/29/2018 23:48

Jackson A #25
30-015-32683
Burnett Oil Co., Inc.
Conditions of Approval

Deepen Well COAs

Timing Limitation Stipulation / Condition of Approval for lesser prairie-chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 feet from the source of the noise. Exceptions to these restrictions may be granted by BLM's Cassandra Brooks <crbrooks@blm.gov>
575.234.2232

Notify BLM at 575-361-2822 (Eddy County) or 575-393-3612 (Lea County) a minimum of 24 hours prior to commencing work.

Work to be completed by June 11, 2019.

1. Operator shall set retainer at 4490' and pump 300 sacks of Class C cement to squeeze perforations from 4,687' to 4938'.
2. Wait on Cement 12 hours. Test BOP and casing to 1500 psi. Tag cement retainer.
3. Must conduct a casing integrity test before drilling out 5-1/2" casing shoe. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Notify BLM if test fails.
4. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
5. Surface disturbance beyond the originally approved pad must have prior approval.
6. Closed loop system required.

7. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
8. Operator to have H2S monitoring equipment on location.
9. A minimum of a 2000 (2M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
10. **Subsequent sundry required detailing work done, a C-102 form, and completion report for the new formations. Operator to include well bore schematic of current well condition when work is complete.**
11. **See attached for General Guidelines**

JJP03112019

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Operation shall commence within **ninety (90)** days from this approval. **If you are unable to meet the deadline, contact BLM with the reason for not meeting the deadline and a date when operation will commence. Failure to do so will result in enforcement action.**
2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612
3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.
4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.
5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.
In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. **Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.** Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.
6. **Subsequent Reporting:** Within 30 days after operation is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the operation was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.**
7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
8. **If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken:**
From March 1st through June 15th annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted