

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.
NMNM121958

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
DOMINATOR 25 FEDERAL COM 609H

9. API Well No.
30-025-44743-00-X1

10. Field and Pool or Exploratory Area
WILDCAT BONE SPRING

11. County or Parish, State
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
COG OPERATING LLC
Contact: MAYTE X REYES
E-Mail: mreyes1@concho.com

3a. Address
ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-4287
3b. Phone No. (include area code)
Ph: 575-748-6945

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 25 T25S R33E SWSW 280FSL 832FWL
32.095020 N Lat, 103.531906 W Lon

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

| TYPE OF SUBMISSION | TYPE OF ACTION |
|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Change Plans |
| | <input type="checkbox"/> Convert to Injection |
| | <input type="checkbox"/> Drilling |
| | <input type="checkbox"/> Hydraulic Fracturing |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Plug and Abandon |
| | <input type="checkbox"/> Plug Back |
| | <input type="checkbox"/> Production (Start/Resume) |
| | <input type="checkbox"/> Reclamation |
| | <input type="checkbox"/> Re-complete |
| | <input type="checkbox"/> Temporarily Abandon |
| | <input type="checkbox"/> Water Disposal |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Well Integrity |
| | <input checked="" type="checkbox"/> Other Change to Original APD |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports 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 fulfilled and the operator has determined that the site is ready for final inspection.

COG Operating LLC, respectfully requests approval for the following changes to the original approved APD.

Operator will need to sundry the following for Dominator 25 Fed Com #711H:
Drill 14.75' surface hole instead of 13.5'. Operator will up volume of cement to circulate to surface.
Operator will run a DVT/ECP @ 5,150' in the 7.625' Intermediate casing string and pump a 2 stage cement job
1st stage: Lead with 700 sx Neocem (11.0 # / 2.81 yd). Tail with 300 sx Class H (16.4# / 1.1 yd)
2nd stage: Lead with 700sx 35:65:6 Neocem (11.0# / 2.81 yd). Tail with 200 sx Class C (14.8 # / 1.35 yd)

HOBBS OCD

SEP 13 2018

RECEIVED

Annular must be tested to SM.

All previous COA shall apply except the following: Variance to use a SM annular is approved.

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

Electronic Submission #431494 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 08/17/2018 (18PP1710SE)

Name (Printed/Typed) MAYTE X REYES

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 08/16/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By /s/Zota Stevens

Title **Petroleum Engineer**
Carlsbad Field Office

Date 8/20/18

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

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 ****

Additional data for EC transaction #431494 that would not fit on the form

32. Additional remarks, continued

Operator will need variance for flex hose for McVay 8.
Also need to apply for 5M Annular variance. Attached procedures for the variance.



Midwest Hose
& Specialty, Inc.

Internal Hydrostatic Test Certificate

| General Information | | Hose Specifications | |
|---------------------------------------|------------------|--|--------------------|
| Customer | Hobbs | Hose Assembly Type | Rotary/Vibrator |
| MWH Sales Representative | Ryan Rynolds | Certification | API 7K/FSL Level 2 |
| Date Assembled | 11/19/2015 | Hose Grade | D |
| Location Assembled | OKC | Hose Working Pressure | 5000 |
| Sales Order # | 271739 | Hose Lot # and Date Code | 11834 11/14 |
| Customer Purchase Order # | 302337 | Hose I.D. (Inches) | 3.5" |
| Assembly Serial # (Pick Ticket #) | 326000 | Hose O.D. (Inches) | 4.89" |
| Hose Assembly Length | 25' | Armor (yes/no) | No |
| Fittings | | | |
| End A | | End B | |
| Stem (Part and Revision #) | R3.5X64WB | Stem (Part and Revision #) | R3.5X64WB |
| Stem (Heat #) | A144783 | Stem (Heat #) | A144783 |
| Ferrule (Part and Revision #) | RF3.5 | Ferrule (Part and Revision #) | RF3.5 |
| Ferrule (Heat #) | J1628 | Ferrule (Heat #) | J1628 |
| Connection - Flange Hammer Union Part | 4-1/16 5000 | Connection (Part #) | 4-1/16 5000 |
| Connection (Heat #) | 14032501 | Connection (Heat #) | 1404H321 |
| Nut (Part #) | N/A | Nut (Part #) | N/A |
| Nut (Heat #) | N/A | Nut (Heat #) | N/A |
| Dies Used | 5.49" | Dies Used | 5.49" |
| Hydrostatic Test Requirements | | | |
| Test Pressure (psi) | 10,000 | Hose assembly was tested with ambient water temperature. | |
| Test Pressure Hold Time (minutes) | 11 1/2 | | |
| Date Tested | Tested By | Approved By | |
| 11/19/2015 | | | |



Midwest Hose
& Specialty, Inc.

Internal Hydrostatic Test Graph

November 19, 2015

Customer: Hobbs

Pick Ticket #: 326000

Hose Specifications

Hose Type

D

I.D.

3.5"

Working Pressure

5000 PSI

Length

25'

O.D.

4.89"

Burst Pressure

Standard Safety Multiplier Applies

Verification

Type of Fitting

4 1/16 5K

Die Size

5.49"

Hose Serial

11834

Coupling Method

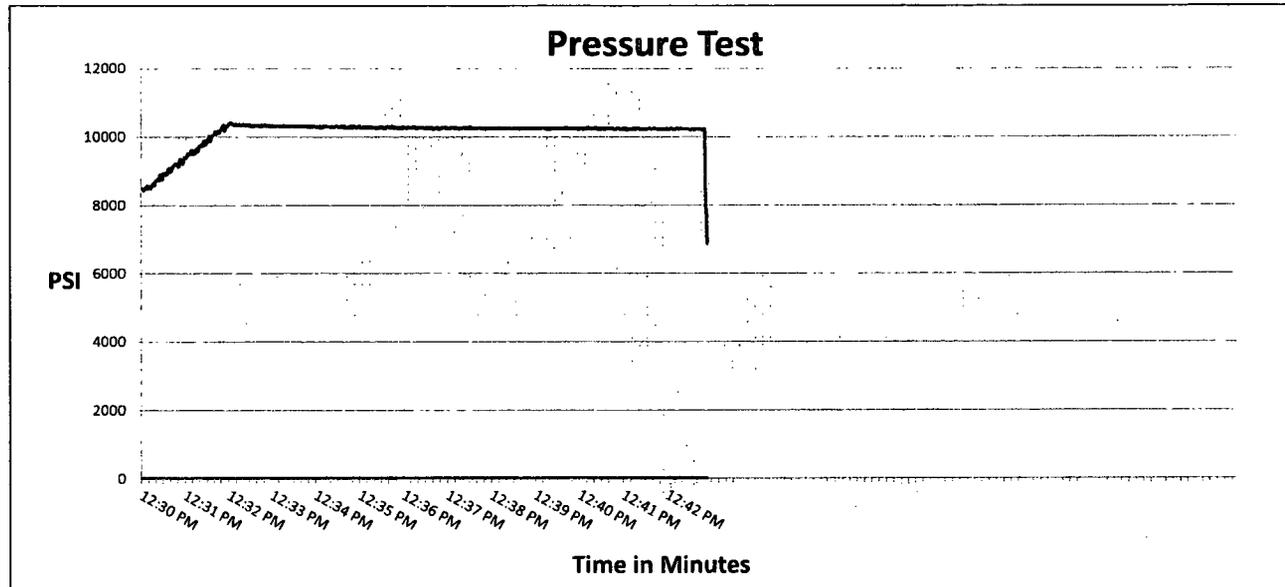
Swage

Final O.D.

5.50"

Hose Assembly Serial

326000



Test Pressure

10000 PSI

Time Held at Test Pressure

11 2/4 Minutes

Actual Burst Pressure

Peak Pressure

10473 PSI

Comments: Hose assembly pressure tested with water at ambient temperature.

Tested By: James Hawkins

Approved By: Kim Thomas

x _____

x _____

Hose Assembly & Test Report

| General Information | | Hose Specifications | | |
|--|--|--------------------------------------|---|---------|
| Customer | Hobbs | Hose Assembly Type | chove + k11 | |
| Date Assembled | 6-26-14 | Certification | AP7K | |
| Location Assembled | Dick | Hose Grade | D | |
| Sales Order # | 216297 | Hose Working Pressure | 5,000 | |
| Customer Purchase Order # | 237512 | Hose Lot # | 8309 | |
| Hose Assembly Serial # | 26022 | Hose Date Code | 04/12 | |
| Pick Ticket Line Item | 0010 | Hose I.D. (inches) | 3.5 inches | |
| Hose Assembly Length (feet and inches) | 50 feet | Hose O.D. (inches) | 5.49 | |
| Contact Information Phone # | | Armor (yes/no) | yes | |
| Fittings | | | | |
| End A | | End B | | |
| Stem (Part and Revision #) | R3.5x64WB | Stem (Part and Revision #) | R3.5x64WB | |
| Stem (Heat #) | 13114050225 | Stem (Heat #) | 13114050225 | |
| Stem (Rockwell Hardness HRB #) | — | Stem (Rockwell Hardness HRB #) | — | |
| Ferrule (Part and Revision #) | RF3.5 | Ferrule (Part and Revision #) | RF3.5 | |
| Ferrule (Heat #) | 126151 | Ferrule (Heat #) | 37211Y | |
| Ferrule (Rockwell Hardness HRB #) | — | Ferrule (Rockwell Hardness HRB #) | — | |
| Connection (Part #) | 4 1/16 SK | Connection (Part #) | 4 1/16 SK | |
| Connection (Heat #) | V336D | Connection (Heat #) | V336D | |
| Connection (Brinell Hardness HB #) | — | Connection (Brinell Hardness HB #) | — | |
| Stress Relief # | 17614 | Stress Relief # | 17614 | |
| Welding # | MKR | Welding # | MKR | |
| X-ray # | — | X-ray # | — | |
| Assembly Information | | | | |
| End A | | End B | | |
| Skive O.D. (inches) | 5.04 | Skive O.D. (inches) | 4.92 | |
| Swager Dies (1st pass) | 5.62 | Swager Dies (1st pass) | 5.53 | |
| Swager Dies (2nd pass) | — | Swager Dies (2nd pass) | — | |
| Final Swage O.D. (inches) | 5.64 | Final Swage O.D. (inches) | 5.48 | |
| Compression % (See Crimp Calculator) | 84% | Compression % (See Crimp Calculator) | 22% | |
| Swaged By | Charles Hobbs | | | |
| Hydrostatic Test Requirements | | | | |
| Test Pressure (psi) | 10,000 | Hold Time (minutes) | 13 1/4 | |
| Tested By | Charles Hobbs | | Date Tested | 6-26-14 |
| This is to certify that the above Hose Assembly has been satisfactorily tested in accordance with MHSI procedure 8.2.4.2 | | | | |
| Final Verification | | | | |
| U.S. Govt. Inspected | <input checked="" type="checkbox"/> No | Hammer Unions | Yes <input checked="" type="checkbox"/> | |
| Third Party Witness | <input checked="" type="checkbox"/> No | Safety Clamps | Yes <input checked="" type="checkbox"/> | |
| Customer or Third Party Witnessed By: | | | | |

1. Component and Preventer Compatibility Table

The table below covers drilling and casing of the 10M MASP portion of the well and outlines the tubulars and the compatible preventers in use. Combined with the mud program, the below documents that two barriers to flow can be maintained at all times, independent of the rating of the annular preventer.

| Component | OD | Preventer | RWP |
|-----------------------------|--------------|--------------------------------------|------------|
| Drill pipe | 4.5" | Upper 4.5-7" VBR Lower 4.5-7" VBR | 10M |
| HWDP | 4.5" | | |
| Jars | 4.875" - 5" | | |
| Drill collars and MWD tools | 4.75" - 5" | | |
| Mud Motor | 4.75"-5.875" | | |
| Production casing | 5.5" & 5" | | |
| ALL | 0- 13.625" | Annular | 5M |
| Open-hole | - | Blind Rams | 10M |

VBR = Variable Bore Ram with compatible range listed in chart.

2. Well Control and Shut-In Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are minimum tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. The maximum pressure at which well control is transferred from the annular to another compatible ram is 2500 psi.

Drilling:

1. Sound the alarm (alert rig crew)
2. Space out the drill string
3. Shut down pumps and stop the rotary
4. Shut-in the well with the annular with HCR and choke in closed position
5. Confirm the well is shut-in
6. Notify contractor and company representatives
7. Read and record the following data
 - Time of shut-in
 - SIDPP and SICP
 - Pit gain
8. If pressure has increased to or is anticipated to increase to 2500 psi, confirm spacing and close the upper pipe rams.
9. Prepare for well kill operation.

Tripping:

1. Sound alarm (alert rig crew)
2. Stab full opening safety valve and close the valve
3. Space out the drill string
4. Shut-in the well with the annular with HCR and choke in closed position
5. Confirm shut-in
6. Notify contractor and company representatives
7. Read and record the following data:

- Time of shut-in
 - SIDPP and SICP
 - Pit gain
8. If pressure has increased to or is anticipated to increase to 2500 psi, confirm spacing and close the upper pipe rams.
 9. Prepare for well kill operation.

Running Casing

1. Sound alarm (alert rig crew)
2. Stab crossover and valve and close the valve
3. Shut-in the well with annular with HCR and choke in closed position
4. Confirm shut-in
5. Notify contractor and company representatives
6. Read and record the following data
 - Time of shut-in
 - SIDPP and SICP
 - Pit gain
7. If pressure has increased to or is anticipated to increase to 2500 psi, confirm spacing and close the upper pipe rams.
8. Prepare for well kill operation

No Pipe in Hole (Open Hole)

1. At any point when pipe or BHA are not in BOP stack, well will be shut in with blind rams, HCR will be open and choke will be closed. If pressure increase is observed:
2. Sound alarm (alert crew)
3. Confirm shut-in
4. Notify contractor and company representatives
5. Read and record the following data
 - Time of shut-in
 - Time of pressure increase
 - SICP
6. Prepare for well kill operation

Pulling BHA through BOP Stack

1. Prior to pulling last joint/stand of drillpipe through the stack, perform a flow check. If well is flowing:
 - a. Sound alarm (alert crew)
 - b. Stab full opening safety valve and close the valve
 - c. Space out drill string with tooljoint just beneath the upper pipe ram.
 - d. Shut-in the well with upper pipe ram with HCR and choke in closed position
 - e. Confirm shut-in
 - f. Notify contractor and company representatives
 - g. Read and record the following data
 - Time of shut-in
 - SIDPP and SICP
 - Pit gain
 - h. Prepare for well kill operation.



- 2. With BHA in the stack:
 - a. If possible to pick up high enough, pull BHA clear of the stack
 - i. Follow "Open Hole" procedure above
 - b. If impossible to pick up high enough to pull BHA clear of the stack:
 - i. Stab crossover, make up one joint/stand of drillpipe, and full opening safety valve and close
 - ii. Space out drill string with tooljoint just beneath the upper pipe ram.
 - iii. Shut-in the well with upper pipe ram with HCR and choke in closed position
 - iv. Confirm shut-in
 - v. Notify contractor and company representatives
 - vi. Read and record the following:
 - Time of shut-in
 - SIDPP and SICP
 - Pit gain
 - vii. Prepare for well kill operation.

3. Well Control Drills

Well control drills are specific to the rig equipment, personnel and operation at the time a kick occurs. Each crew will execute one drill weekly relevant to ongoing operations, but will make a reasonable attempt to vary the type of drills. The drills will be recorded in the daily drilling log. Below are minimum tasks for respective well control drills.

Drilling/Pit:

| Action | Responsible Party |
|--|--------------------------------------|
| Initiate Drill <ul style="list-style-type: none"> • Lift Flow Sensor or Pit Float to indicate a kick • Immediately record start time | Company Representative / Rig Manager |
| Recognition <ul style="list-style-type: none"> • Driller and/or Crew recognizes indicator • Driller stop drilling, pick up off bottom and spaces out drill string, stop pumps and rotary • Conduct flow check | Driller |
| Initiate Action <ul style="list-style-type: none"> • Sound alarm, notify rig crew that the well is flowing | Company Representative / Rig Manager |
| Reaction <ul style="list-style-type: none"> • Driller moves BOP remote and stands by • Crew is at their assigned stations • Time is stopped • Record time and drill type in the Drilling Report | Driller / Crew |

Tripping Pit Drills (either in the hole or out of the hole)

| Action | Responsible Party |
|--|--------------------------------------|
| Initiate Drill <ul style="list-style-type: none"> • Lift Flow Sensor or Pit Float to indicate a kick • Immediately record start time | Company Representative / Rig Manager |
| Recognition <ul style="list-style-type: none"> • Driller recognizes indicator • Suspends tripping operations • Conduct Flow Check | Driller |
| Initiate Action <ul style="list-style-type: none"> • Sound alarm, notify rig crew that the well is flowing | Company Representative / Rig Manager |
| Reaction <ul style="list-style-type: none"> • Position tool joint above rotary and set slips • Stab FOSV and close valve • Driller moves to BOP remote and stands by • Crew is at their assigned stations • Time is stopped • Record time and drill type in the Drilling Report | Driller / Crew |

Choke

| Action | Responsible Party |
|---|---|
| <ul style="list-style-type: none"> • Have designated choke operator on station at the choke panel • Close annular preventer • Pressure annulus up 200-300 psi • Pump slowly to bump the float and obtain SIDPP • At choke operator instruction, slowly bring pumps online to slow pump rate while holding casing pressure constant at the SICP. • Allow time for the well to stabilize. Mark and record circulating drillpipe pressure. • Measure time lag on drillpipe gauge after choke adjustments. • Hold casing pressure constant as pumps are slowed down while choke is closed. • Record time and drill type in the Drilling Report | Company Man / Rig Manager & Rig Crew |