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Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 25 2014

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010**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.Farmington Field
Bureau of Land Management
5. Lease Serial No. **1010 SF 078243**
Indian Allottee or Tribe Name**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
Roddy Production Company

3a. Address

P.O. Box 2221 Farmington NM 87499

3b. Phone No. (include area code)

505 325 5750, 432 557 6778

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

1230' FNL - 740' FEL, Section 19, T - 31N, R - 12W, NMPM

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

8. Well Name and No.
Owen #2A**OIL CONS. DIV DIST. 3**9. API Well No.
30-045-3023510. Field and Pool or Exploratory Area
Mesa Verde11. Country or Parish, State
San Juan County, New Mexico

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"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input checked="" type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other _____ |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> 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 recompleat 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.)

Attached is the procedure to repair suspected casing leak on the Owen #2A

See attached conditions of approval.

Notify NMOCD 24 hrs
prior to beginning
operations

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Jeremy Divine

Title Foreman

Signature

Jeremy Divine

Date

7-25-14-

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

P. E. Eng

Title

Petr. Eng

Date

7/29/14

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)

NMOCD A

Roddy Production Company
Completion Procedure
Owen No. 2A

Location: 1230' FNL - 740' FEL, Section 19, T31N, R12W, NMPM

San Juan Co., New Mexico

TD : 5046 ' KB

PBTD : 4999 ' KB

COTD : 5002' KB(original) – 4981' KB (2014 WO)

KB : 12'

API # : 30 - 045 - 30235

Casing : 9 5/8", 36 ppf, J - 55, ST&C, ERW set at 325'. Cement with 265 sacks to circulate to surface.
4 1/2", 10.5 ppf, J - 55, ST&C, ERW set at 5045'. DV Tool @ 3399'. Cement in two stages with 785 sacks. Did not circulate to DV tool. Circulated to surface on second stage.

Perforations: Menefee: 20 select fire @ 1 SPF from 4201 to 4566'

Pt. Lookout: 36 select fire @ 1 SPF from 4698 to 4964'

Formation Tops:

| | |
|-----------------|-------|
| Ojo Alamo | 530' |
| Kirtland | 612' |
| Fruitland | 1939' |
| Fruitland Coal | 2004' |
| Pictured Cliffs | 2319' |
| Lewis | 2429' |
| Cliff House | 3896' |
| Menefee | 4120' |
| Pt. Lookout | 4696' |

Procedure:

1. Move In and rig up service unit, pump and pit, catwalk and pipe racks and 400 bbl. flowback tank. Tally and rabbit at least 4 extra joints of 2 3/8" EUE tubing.
2. Rig up flowback tank to offside casing valve. Kill well down tubing using 2% KCL water.
3. Nipple up 7 1/16" 3000 # BOPE on 7 1/16" 3000 # tubing head.
4. Unseat tubing doughnut and remove from string.
5. Pick up extra tubing and TIH to tag fill. Record fill depth. Tubing make up torque - 1300 ft. lbs.
6. POOH with tubing visually inspecting for scale and corrosion. Record depths encountered. **Should be (top down order-string in hole minus any extras picked up) 8' pup, 153 joints, SN and 4' perf sub.**
7. Replace any bad joints of tubing encountered. Pick up 3 1/8" mill tooth workover bit, casing scraper and float sub. TIH on tubing to 4191'±. Ream out any scale encountered on inside of casing to this depth. **Note: scale on exterior of tubing encountered at 4168'± on last workover.**
8. Pull out of hole with tubing. Laydown bit, casing scraper, and float collar.
9. **Note: if tubing condition is poor tally and pick up work string for the testing operation.** Pick up RBP and Retrieivable casing packer with one joint of tubing between RBP and packer. Run in hole with test string. Set RBP at 4191'±. POOH one stand and set packer. Test RBP to 1500 psi for 15 minutes. Bleed off pressure and release packer. Circulate 2% KCL water to insure hole is full. Add 5 gal bucket of 20/40 frac sand to circulating fluid and displace to within a barrel of bottom of tubing string. POOH slowly to 3350'±. Circulate hole clean the long way. Shut down for 30 mins for sand to settle.

Roddy Production Company
Owen No. 2A
Workover Procedure
Page Two

10. TIH to tag sand fill on RBP. POOH to 3350'±. Set packer and test bottom portion of casing and DV tool by pressuring tubing to 1500 psi for 30 minutes. Record on chart. Bleed off tubing pressure to 500 psi. Open bradenhead valve. Pressure casing above packer to 1500 psi for 30 minutes while monitoring bradenhead for flow or circulation and tubing pressure for signs of tubing leak.

11. a) If annulus above packer is leaking and flow is evident out bradenhead valve you could try dye water circulation down annulus to determine approximately how shallow leak is and adjust packer set routine from that data- or –

b) If no flow is evident out bradenhead but annulus does not pressure test, continue testing by pulling half the tubing out of hole and repeating test procedure until leak is isolated.

12. Packer and plug set depths and cementing procedure will be determined from test results. A shallow (<350') small leak is suspected and procedure may be a spot and bullhead down casing. All of this will be determined from test results and actual procedure will be submitted for verbal approval by BLM and NMOCD prior to implementation followed by a change in plans sundry notice.

13. Squeeze cement until a pressure test of 500 psi for 30 minutes can be obtained on the entire casing string.

14. Clean out cement and stringers using 3 7/8" bit and casing scraper. RIH to tag sand fill on RBP and POOH.

15. RIH with retrieving head and reverse sand off RBP. Retrieve BP and POOH laying down work string if used and it is not needed to clean out sand fill at COTD.

16. RIH with production string as before replacing any bad joints noted.

17. Nipple down BOPE and nipple up tubing head adaptor.

18. Swab well into flowback tank to start clean up.

19. Rig down service unit and equipment and move out.