

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
MERIDIAN OIL

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
800'FSL, 1090'FWL Sec.24, T-30-N, R-9-W, NMPM

5. Lease Number
SF-078201A

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Riddle A #3

9. API Well No.

10. Field and Pool
Blanco Mesa Verde

11. County and State
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Final Abandonment

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - add Menefee

13. Describe Proposed or Completed Operations

It is intended to perforate and fracture stimulate the Menefee interval of the Mesa Verde formation per the attached procedure and wellbore diagram.

RECEIVED

AUG - 2 1993

OIL CON. DIV.

DIST. 3

070 FARMINGTON, NM

03 JUL 23 AM 9:10

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

Signed [Signature] (JAS) Title Regulatory Affairs Date 7/21/93

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED

JUL 30 1993
DISTRICT MANAGER

NMOCD

RIDDLE A #3
CURRENT AND PROPOSED

BLANCO - MESAVERDE

UNIT M, SECTION 24, T30N-R09W, SAN JUAN COUNTY, NEW MEXICO

COMPLETED 01/24/55

13-3/4" HOLE

9-5/8", 36.0#, J-55, CSG
SET @ 166' KB

SQZ HOLES @ 1212'
CMT W/350 SKS TO
SURFACE

8-3/4" HOLE

2-3/8" TBG SET @ 4675'

TOC @ 1500' (TEMP. SURVEY)

PICTURED CLIFFS @ 2422'

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TOC @ 3680' (CALC.)

7", 23#, J-55, CSG SET @ 4015'

PERFS @ 4141'-4190' W/16 SPZ, 34,000# SAND
& 38,220 GALLONS WATER

6-1/4" HOLE

PERFS @ 4640'-4656' W/18,000# SAND
& 18,000# GALLONS WATER

PERFS @ 4670'-4738' W/16 SPZ, 40,000# SAND
& 44,478 GALLONS WATER

CLIFFHOUSE @ 4052'

PROPOSED
MENELEE
PERFORATIONS

MENELEE @ 4210'

POINT LOOKOUT @ 4616'

4-1/2", 10.5#, J-55, CSG
SET @ 4805'

TD 4805'

Riddle A #3
SW/4, Section 24, T30N, R09W
Menefee Pay Add

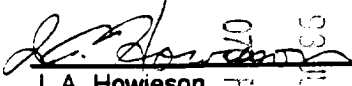
☛ **Contact BLM and NMOCD prior to performing work on this well** ☛
Comply with all BLM, NMOCD, and MOI rules and regulations.

1. Test location rig anchors and repair if necessary. Blow down tubing. MIRU. NU BOP, blooie line, and relief line.
2. Install 8 X 400 bbl tanks and fill with 2% KCl water for fracture stimulation. Add 5 #'s biocide per tank before filling. Place fire and safety equipment in strategic locations.
3. Pressure test BOP for 15 minutes. TOOH with 2-3/8" tubing and lay down. Visually inspect and replace any bad joints. TIH with 3-7/8" bit and 4-1/2"-10.5# casing scraper on 2-7/8" slimhole workstring and clean out to PBTB @ 4785'. TOOH.
4. RU wireline. Set RBP above Pt. Lookout @ 4620'. Spot approximately 10' os sand on of RBP w/wireline bailer. Run GR-CBL-CCL in 4-1/2" longstring from RBP to TOC @ approximately 3680' (calc). Evaluate GR-CBL-CCL and send copy to production engineering.
5. TIH with 4-1/2" packer on 2-7/8" workstring/fracstring. Set packer @ 4100'. *Test casing to 2600 psi for 15 minutes. Release packer, TIH to 4600', approx. 20' above RBP @ 4620' (do not tag !) and pressure test RBP to 2600 psi for 15 minutes. Unseat packer and spot 300 gallons of 7-1/2% inhibited HCL acid w/additives. TOOH.
*If pressure test fails, prepare to locate holes and repair casing. Contact production engineering and a casing repair will be submitted.
6. RU wireline. Perforate the following Menefee intervals top down, with a 3-1/8" HSC, 12 gram OWEN charges @ 1 SPF (.31" hole dia., and 12.02" DP).

4227', 35', 44', 50', 81', 91', 98' 4309', 13', 25', 34', 48', 54', 82', 92', 96'
4403', 12', 19', 38', 44', 57', 68', 84', 92' 4502', 06', 13', 55', 60', 70', 88'
Total: 32 holes
7. TIH with 2-7/8" workstring and 4-1/2" packer. Set packer @ 4200' (above Menefee, below Cliffhouse) and prepare to breakdown perforations.
8. RU stimulation company. Breakdown and balloff w/ 1400 gallons of 7-1/2% HCl @ 4 bbl/min. containing 1 gal/1000 gal clay control, 4/1000 silt suspender, 1/1000 inhibitor and 5/1000 sequestering agent. Drop a total of 65 - 7/8" RCN ball sealers spaced evenly throughout the job w/ 5 ball slugs every 10 balls dropped. Record injection rate and all breakdown pressures throughout job.
9. Release packer and knock off ball sealers. TOOH w/ packer.
10. PU 4-1/2" Straddle Packer (Isolation Liner) on 2-7/8" workstring and TIH. Set Straddle Packer to overlap Cliff House perforations @ 4141' to 4191'. Bottom packer element set @ 4200' with top element @ 4110' +/- 10'. Prepare to fracture stimulate the well.

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11. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4000 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). Maximum treating pressure is 3000 psi. Fracture stimulate well w/ 30 # gel according to attached procedure.
12. Flow back well until returns diminish. TIH with retrieving head on 2-7/8" tbg. and retrieve Straddle Packer Liner. TOOH and lay down Straddle Packer. TIH w/ 2-7/8" workstring and notched collar and reverse out balls and sand on bridge plug. Obtain pitot gauge once returns are clean. TOOH.
13. TIH with 4-1/2" pkr. and seating nipple on 2-7/8" tbg. Tag fill and reverse out if necessary. PU and set pkr. @4200'. Obtain 15-30-45-60 minute pitot gauge and note on report that gauge is from Menefee interval only.
14. Shut well in and run 48 hour Amerada bomb to seating nipple @4200'. Wait 24 hours and pull bomb.'
15. Blow down well and obtain 15-30-45-60 minute pitot gauge. Release pkr. and TOOH.
16. PU retrieving head and TIH. Reverse circulate and retrieve bridge plug. TOOH w/RBP and lay down 2-7/8" workstring.
17. TIH with 2-3/8" production tubing and SN one joint off bottom of string. CO to 4785'. When fluid production becomes negligible, land tubing at 4700'. Obtain final gauge.
18. ND BOP. RDMO.


J. A. Howieson
07
PERMITS
N.M.
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Vendors:

Packer Rental & Bridge Plugs:
Wireline Services:
Straddle Packer/Liner
Stimulation:

Schlumberger Well Services (325-5006)
Schlumberger Well Services (325-5006)
Halliburton Services (325-3575)
Halliburton Services (325-3575)

ridpro.doc
JAS/jas