

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well GAS	5. Lease Number SF-078874
2. Name of Operator MERIDIAN OIL	6. If Indian, All. or Tribe Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name Canyon Largo Unit
4. Location of Well, Footage, Sec., T, R, M 1650'FNL, 1090'FEL Sec.3, T-24-N, R-6-W, NMPM	8. Well Name & Number Canyon Largo U 117
	9. API Well No. 30-039-
	10. Field and Pool Basin Dakota
	11. County and State Rio Arriba Co, NM

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

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☒ Casing Repair
☐ Altering Casing
☒ Other - pay add

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injectio

13. Describe Proposed or Completed Operations

It is intended to repair the casing in this well, and add pay per the attached procedure and wellbore diagram.

RECEIVED
MAY 3 1 1994
OIL CON. DIV.
DIST. 3

RECEIVED
MAY 3 1 1994
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (TM3) Title Regulatory Affairs Date 5/20/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED

MAY 24 1994

DISTRICT MANAGER

Canyon Largo Unit # 117
Basin Dakota Workover
Unit H-Sec03-T24N-R06W

Prior to Moving on Workover Rig, Inspect Location, Verify All Appropriate Equipment is on Hand. Dig work pit for water/cement recovery/flare pit, fence pits. Comply with all BLM, NMOCD, & MOI rules & regulations. **Always Hold Safety Meetings.**

-
- Utilize EPNG Drill Gas. Low line pressure (Max rate 800 MCFD)
 - Spot & Fill Two (2) 400 bbl Tanks for stimulation.
 - Use Only True 2% KCl water, (No substitutes!) Filter Frac & Acid water to 2 microns.
 - Four (4) 3-1/8" Drill Collars on location.
 - Will utilize trucked Nitrogen after initial work in place of drill gas.
 - 900 series BOP, 7" blooie line, manifold, & 1/4", 1/2", & 3/4" chokes as appropriate.
-

1. Move In workover rig. Record and report SI pressures on tubing, casing, & bradenhead. Lay blowdown line. Blow down casing & tubing. Pump 20 bbls 2% KCl down tubing. ND WH, NU BOP & stripping head. Test all equipment!

2. PU & release **Model R-3 type PKR @ 5038'**. TOOH, rabbit, & strap 2-3/8" tubing (from 6389', SN @ 6385'). Flow well out blooie line. Visually inspect tubing, service PKR since it will be rerun. Note any scale in tubing.

3. PU 4-1/2" RBP & 4-1/2" Packer Combination on 2-3/8". TIH & set RBP @ **6300'**. Roll hole with 2% KCl water from bottom. Set PKR above RBP & Test RBP & tubing to 3500 psi. Hold for 10 minutes. Release PKR, close pipe rams, & Pressure test entire Casing string to 500 psi. Establish rate & note returns out bradenhead. Pull to 5000' & test to 1500 psi, pull to 3500' & test to 1500 psi, pull to 2100' & test DV to 1500 psi. Pull up hole and find location of leak. If surface leak prepare to cut & pull casing (Most likely case). Contact Engineering prior to step # 4.

4a. If leak is below 1200' +/- squeeze casing with a hesitation squeeze of 100 sxs Class B w/ 2% CaCl accelerator below a PKR. Hesitate final 5 bbls in 15 minute hesitations to 2000 psi. Max Pressure 2000 psi.

4b. If leak is above 1200'. Circulate hole with 9.0 ppg 35 visc mud. Circulate 2 hours, conditioning hole. Run in hole with freepoint. Freepoint casing & cut casing a minimum 80' below failure. Dress stub, & reattache casing with Bown Casing Patch and DV tool up one joint. Cement casing back to surface.

5. WOC. Drillout & PT casing to squeeze to (1000 psi 4a, or 3000 psi 4b). Clean out to RBP. Roll hole with 5 bbl gel sweep & 2% KCl to remove mud. TOOH.

6. RU wireline. Run GR-CCL-CBL from 6300' to surface. No gaps. Run with 500-1000 psi over entire interval hole. Note and report all cement tops and quality of bond over Mesaverde Interval. Run GR-dual spaced neutron log across 5400' to 6300' & 3600' to 4600'. Actual Perforations will be verified by Engineering prior to shooting!!

7. PU retrieving head on 2-3/8". TIH and unload hole w/ gas. Retrieve RBP @ 6300'. TOOH.

8. TIH with washover pipe with Texas pattern shoe, float, drill collars on 2-3/8". Washover 89' of 2-3/8" tubing with gas/nitrogen. Call on truck if necessary. TOOH.

Canyon Largo Unit # 117

Meridian Oil Inc.

05/18/94

9. TIH w/ overshot & engage 2-3/8" tubing. Pull above perms. Obtain production "baseline" gauge on Dakota for 1 hour. TOOH & LD fish.

10. RU wireline. Run GR-CCL to correlate from PBTD to 6250'. RU full lubricator. Perforate additional Dakota Perforations in "dry" hole as follows with a 3-1/8" HSC gun 2 SPF 0.38" dia holes Owen-306 charges sequenced 2' intervals bottom-up in a single gun run.

6595'-6597' (2' 4 holes)	6570'-6572' (2' 4 holes)	6536'-6538' (2' 4 holes)
6510'-6512' (2' 4 holes)	6488'-6490' (2' 4 holes)	6440'-6442' (2' 4 holes)
6392'-6394' (2' 4 holes)	6380'-6382' (2' 4 holes)	Total perforations: 32

Note: 96 perforations now open in Dakota

11. ***NOTE: If casing integrity is good, stimulation will be performed down casing.*** PU PKR and TIH on 2-3/8" tubing. Set PKR @ 6000'. Hold 800 psi on annulus. Pump 80 quality Nitrified 7.5% HCl acid at maximum rate while dropping 100 - 1" 1.1 SG ball sealers in groups of 5. 2500 gallons 7.5% HCl w/ 10 gal/1000 acetic acid, 2 gal/1000 inhibitor, 1 gal/1000 non-emulsifier, 1 gal/1000 surfactant. Maximum Pressure is 3500 psi. Flow well back immediately on 1/4" choke. Continue to flow well back for 4 hours, recording pressures on the hour, note that balls may be returned and plug 1/4" temporarily. SI well. Equalize pressure and TOOH with PKR.

12. TIH with notch collar and float and clean well out to PBTD. TOOH. Obtain gauge.

13. TIH with production string as follows. one joint, expendable check/"F" nipple, remaining tubing. Land tubing @ 6550'. Note: PKR will be rerun if squeeze job was performed and landed at appropriate depth in compression. ND BOP. NU WH. Pump off check and gauge well up tubing to ensure check has been pumped.

14. RD and release rig to next location.

Approved:

Drilling Superintendent


TEM

Recommended Vendors:

Stimulation(Acid,Nitrogen)

Cased Hole Services (Perforating, Logging)

Bridge Plugs, Packers

Engineering

Western Company

Basin Perforators

Baker Service Tools

T. E. Mullins

327-6288

327-5244

325-0216

326-9546-W

325-9361-H

Canyon Largo Unit # 117

T24NR06W03H

Dakota Workover

GL @ 6384'

Current

GL @ 6384'

Proposed

13-3/4" Hole
9-5/8" Casing @ 316'
w/ 210 sxs to Surface

13-3/4" Hole
9-5/8" Casing @ 316'
w/ 210 sxs to Surface

TOC @ 1700'
Temp Survey

TOC @ 1700'
Temp Survey

Nacimiento Top @ 303'
Ojo Alamo Top @ 1518'
Kirtland Top @ 1703'
Fruitland Top @ 2102'
Pictured Cliffs @ 2198'
Lewis Top @ 2220'
Cliff House @ 3630'
Menefee @ 3710'
Point Lookout @ 4350'
Mancos @ 4526'
Niobrara @ 5398'
Greenhorn @ 6293'
Graneros @ 6340'
Two Wells @ 6380'
Pagate @ 6437'
Cubero @ 6469'
Oak Canyon @ 6585'
Encinal Canyon @ 6620'
Burro Canyon @ 6621'
Morrison @ N.R.

Stage Tool @
2218'
w/ 110 sxs

Stage Tool @
2218'
w/ 110 sxs

2-3/8" Tubing
@ 6389'

2-3/8" Tubing
@ 6550'

Model R-3 PKR
@ 5038'

89' Tubing

Dakota
Perforations
64 Holes
6480' to 6582'

Dakota
Perforations
96 Holes
6382' to 6595'

7-7/8" Hole
4-1/2" Casing @ 6711'
w/ 330 sxs

PBTD @ 6484'
TD @ 6711'

7-7/8" Hole
4-1/2" Casing @ 6711'
w/ 330 sxs

PBTD @ 6484'
TD @ 6711'