

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

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
1650' FNL, 1780' FEL, Sec. 22, T-25-N, R-3-W, NMPM

5. Lease Number
NM-04075
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Arco Hill #1
9. API Well No.
30-039-23838
10. Field and Pool
Blanco Mesaverde
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 -
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
JUN 13 1996

OIL CON. DIV.
DIST. 8

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

Signed Robert Kest (ROS9) Title Regulatory Administrator Date 5/15/96
Chief, Lands and Mineral Resources

(This space for Federal or State Office use)

APPROVED BY Robert Kest Title Chief, Lands and Mineral Resources Date JUN 11 1996
CONDITION OF APPROVAL, if any:

Surface restoration requirements in enclosed ltr.

PLUG & ABANDONMENT PROCEDURE

5-6-96

Arco Hill #1
Blanco Mesaverde
NE Section 22, T-25-N, R-3-W
Rio Arriba Co., New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM, and Meridian safety regulations.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.
3. POH with 2-7/8" tubing (cut joint at 5029'); visually inspect the tubing. If necessary LD tubing and PU 2-3/8" workstring. RIH with 5-1/2" gauge ring or casing scraper to 3777'.
4. **Plug #1 (Tubing Stub, 5120' - 5020')**: RIH with open ended tubing to 5060' or as deep as possible. Load casing and pressure test to 500#. Mix and pump 17 sx Class B cement and spot a balanced plug inside casing over tubing stub. POH with tubing.
5. **Plug #2 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3827' - 3390')**: Perforate 3 HSC squeeze holes at 3827'. Establish rate into squeeze holes if casing tested. Mix 117 sx Class B cement and squeeze 63 sx cement outside 5-1/2" casing from 3827' to 3615' and leave 54 sx cement inside casing to cover Ojo Alamo top. POH.
6. **Plug #3 (Nacimiento top, 1780' - 1680')**: Perforate 3 HSC squeeze holes at 1780'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 1730'. Establish rate into squeeze holes. Mix 46 sx Class B cement and squeeze 29 sx cement outside 5-1/2" casing and leave 17 sx cement inside casing to cover Nacimiento top. POH and LD tubing.
7. **Plug #4 (Surface)**: Perforate 3 squeeze holes at 554'. Establish circulation out bradenhead valve. Mix and pump approximately 151 sx Class B cement down 5-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
8. ND BOP and cut off wellhead below surface casing flange. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended:


Operations Engineer

Approval:

Production Superintendent

Arco Hill #1

Current

Blanco Mesaverde

1650' FNL, 1780' FEL

NE Section 22, T-25-N, R-3-W, Rio Arriba County, NM

Lat./Long.: 36.386002 / 107.128754

Today's Date: 5/9/96

Spud: 8-29-85

Completed: 1-28-86

Elevation: 7333' (GL)

7347' (KB)

Logs: DIFL/GR, CDL/CN,
Temp Survey, CBL

Nacimiento @ 1730'

Ojo Alamo @ 3440'

Kirtland @ 3555'

Fruitland @ 3620'

Pictured Cliffs @ 3777'

Mesa Verde @ 5420'

Gallup @ 7090'

Dakota @ 8100'

12-1/4" hole

7-7/8" Hole

8-5/8", 24.0#, J-55 Csg set @ 504',
Cmt w/350 sx (Circulated to Surface)

Workover

Dec '95: Pull 2-7/8" tbg; CR at 6917',
sqzd GI-Dk perms w/306 sx. Perf PL
5940' - 6118', frac, test; set RBP at
5900'. Perf 5624' - 5848', frac, test; set
RBP at 5600'. Perf CH 5418' - 5508',
frac, test, wet. Pkr at 5203; sqzd
w/400 sx; pkr stuck. Drl cmt in tbg to
5203'. Chemical cut @ 5196' & 5060'.
Land 2-7/8" tbg at 5029'.

TOC @ 2768' (CBL)

2-7/8", 6.5#, J-55, Tbg @ 5029'

DV tool @ 3615',
Cmt w/590 sx

TOC @ 4600' (CBL)

Tubing Chemical Cut @ 5060'

5-1/2" FB Packer @ 5203'

Cliffhouse Perforations:
5418' - 5508', Total 58 holes
Sqz'd w/400 sx cement (1995)
RBP @ 5600'

Menefee Perforations:
5624' - 5848', Total 44 holes
RBP @ 5900'

Point Lookout Perforations:
5940' - 6118', Total 70 holes
DV tool @ 6003',
Cmt w/730 sx

TOC @ 6060' (CBL)

CR @ 6917' (1995)

Gallup Perforations:
7090' - 7366', Total 674 holes
P&A w/306 sx cmt (1995)

Dakota Perforations:
8156' - 8190', Total 34 holes

FC @ 8313'

5-1/2", 17.0#, K-55 & L-80, Csg set @ 8398',
Cmt w/1000 sx

PBTD 8313'

TD 8398'

Initial Potential

Initial AOF: N/A

Current SICP: N/A

Production History

Cumulative:

Current:

Gas

0.0 MMcf

0.0 Mcfd

Oil

0.0 Mbo

0.0 bbls/d

Ownership

GW: 84.39%

NRI: 67.59%

TRUST: 00.00%

Pipeline

N/A

Arco Hill #1

Proposed P&A

Blanco Mesaverde

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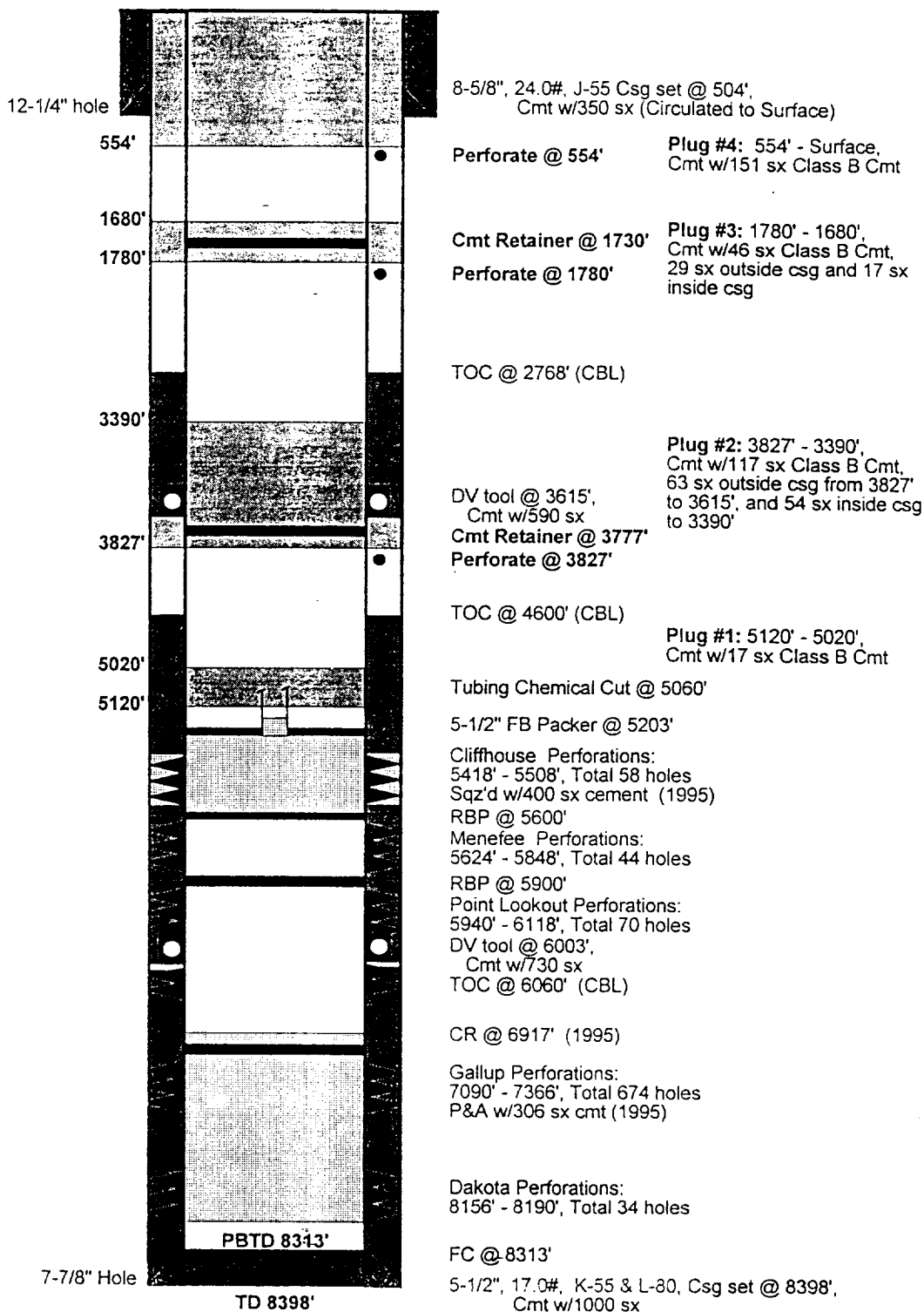
Fruitland @ 3620'

Pictured Cliffs @ 3777'

Mesa Verde @ 5420'

Gallup @ 7090'

Dakota @ 8100'



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CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator MERIDIAN OIL Well Name ARCO HILL #1

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. For wells on Federal leases, Al Yepa with the Cuba Field Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 289-3748. Office hours are 7:45 a.m. to 4:30 p.m.

For wells on Jicarilla leases notify Erwin Elote with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-3242.

3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made :NONE

