

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
990'FNL, 990'FWL, Sec.27, T-27-N, R-11-W, NMPM

5. Lease Number
SF-078092

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Douthit Federal #2

9. API Well No.
30-045-06285

10. Field and Pool
Gallegos Fruitland Sd

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

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input checked="" type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input type="checkbox"/> Other - | |

13. Describe Proposed or Completed Operations

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

OCT 03 1994

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

Signed *Ray Bradwell* (ROS1) Title Regulatory Affairs Date 9/30/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

OCT 03 1994

DISTRICT MANAGER

PERTINENT DATA SHEET

| WELLNAME: Douthit Federal #2 | DP NUMBER: 17502A PROP. NUMBER: 071183601 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|---------------|---------------|---------------|---------------|---------------|------------|-----------------|---------|--------------|--|------|---|-------|---------|--------|--------|-------|------|-------|--|-------|-----------|--------|----|------|------|-------|--|--|--|
| WELL TYPE: Gallegos Fruitland | ELEVATION: GL: 6355' KB: 6360' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCATION: 990' FNL 990' FWL NW Sec. 27, T27N, R11W San Juan County, New Mexico | INITIAL POTENTIAL: AOF N/A SICP: April, 1983 260 PSIG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OWNERSHIP: GWI: 50.0000% NRI: 43.2500% | DRILLING: SPUD DATE: 01-07-52 COMPLETED: 02-01-52 TOTAL DEPTH: 2042' PBTD: 1910' COTD: 1910' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CASING RECORD: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>HOLE SIZE</u></th> <th style="text-align: left;"><u>SIZE</u></th> <th style="text-align: left;"><u>WEIGHT</u></th> <th style="text-align: left;"><u>GRADE</u></th> <th style="text-align: left;"><u>DEPTH</u></th> <th style="text-align: left;"><u>EQUIP.</u></th> <th style="text-align: left;"><u>CEMENT</u></th> <th style="text-align: left;"><u>TOC</u></th> </tr> </thead> <tbody> <tr> <td>13-3/8"</td> <td>10-3/4"</td> <td>29# & 32.75#</td> <td></td> <td>106'</td> <td>-</td> <td>80 sx</td> <td>surface</td> </tr> <tr> <td>7-7/8"</td> <td>5-1/2"</td> <td>14.0#</td> <td>J-55</td> <td>1956'</td> <td></td> <td>85 sx</td> <td>1570'(TS)</td> </tr> <tr> <td>Tubing</td> <td>1"</td> <td>1.7#</td> <td>J-55</td> <td>1770'</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="text-align: center;">Ran 1" 1.7# J-55, 8rd tbg set @ 1770'</p> | | <u>HOLE SIZE</u> | <u>SIZE</u> | <u>WEIGHT</u> | <u>GRADE</u> | <u>DEPTH</u> | <u>EQUIP.</u> | <u>CEMENT</u> | <u>TOC</u> | 13-3/8" | 10-3/4" | 29# & 32.75# | | 106' | - | 80 sx | surface | 7-7/8" | 5-1/2" | 14.0# | J-55 | 1956' | | 85 sx | 1570'(TS) | Tubing | 1" | 1.7# | J-55 | 1770' | | | |
| <u>HOLE SIZE</u> | <u>SIZE</u> | <u>WEIGHT</u> | <u>GRADE</u> | <u>DEPTH</u> | <u>EQUIP.</u> | <u>CEMENT</u> | <u>TOC</u> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13-3/8" | 10-3/4" | 29# & 32.75# | | 106' | - | 80 sx | surface | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7-7/8" | 5-1/2" | 14.0# | J-55 | 1956' | | 85 sx | 1570'(TS) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tubing | 1" | 1.7# | J-55 | 1770' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORMATION TOPS: <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 60%;">Nacimiento</td> <td>Surface</td> </tr> <tr> <td>Ojo Alamo</td> <td>353'</td> </tr> <tr> <td>Kirtland</td> <td>980'</td> </tr> <tr> <td>Fruitland</td> <td>1649'</td> </tr> <tr> <td>Pictured Cliffs</td> <td>1947'</td> </tr> </tbody> </table> | | Nacimiento | Surface | Ojo Alamo | 353' | Kirtland | 980' | Fruitland | 1649' | Pictured Cliffs | 1947' | | | | | | | | | | | | | | | | | | | | | | |
| Nacimiento | Surface | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ojo Alamo | 353' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kirtland | 980' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fruitland | 1649' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pictured Cliffs | 1947' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOGGING: EL, Temp. Survey | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFORATIONS (PC) Open Hole (FTC) 1672' - 82', Total 24 holes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STIMULATION: (PC) Open Hole shot with 180 qts. Nitro. (FTC) Fraced w/20,000# sand w/20,000 gal. water, pressured mixture to formation under 1400-1200 PSI at 33 BPM. Flushed to formation w/50 bbls water under 1400 PSI @ 33 BPM. Cleaned out to TD and bailed water. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WORKOVER HISTORY: 3-52: Set CIBP @ 1910'. Perf'd and fraced Gallegos Fruitland. 7-58: POH 1" tbg. Fraced w/20,000# sand w/20,000 gal water, pressured mixture to formation under 1400-1200 PSI at 33 BPM. Flushed to formation w/50 bbls water under 1400 PSI @ 33 BPM. Cleaned out to TD and bailed water. RIH w/1" tbg. Tubing set @ 1770'. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> PRODUCTION HISTORY: Cumulative as of July 94: <u>Gas</u> 851.9 MMcf <u>Oil</u> 13 Bbl Current Rate: <u>0 Mcfd</u> <u>0 Bopd</u> </td> <td style="width: 50%; vertical-align: top;"> DATE OF LAST PRODUCTION: <u>Gas</u> <u>Oil</u> Aug., 1990 0.03 Mcf/D 0 bbl/D </td> </tr> </table> | | PRODUCTION HISTORY: Cumulative as of July 94: <u>Gas</u> 851.9 MMcf <u>Oil</u> 13 Bbl Current Rate: <u>0 Mcfd</u> <u>0 Bopd</u> | DATE OF LAST PRODUCTION: <u>Gas</u> <u>Oil</u> Aug., 1990 0.03 Mcf/D 0 bbl/D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRODUCTION HISTORY: Cumulative as of July 94: <u>Gas</u> 851.9 MMcf <u>Oil</u> 13 Bbl Current Rate: <u>0 Mcfd</u> <u>0 Bopd</u> | DATE OF LAST PRODUCTION: <u>Gas</u> <u>Oil</u> Aug., 1990 0.03 Mcf/D 0 bbl/D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PIPELINE: GCNM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PLUG & ABANDONMENT PROCEDURE

Douthit Federal #2
Gallegos Fruitland
NW Section 27, T-27-N, R-11-W
San Juan 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 MOI 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 and tally 1" tubing (1770') and LD. PU 2" workstring.
4. **Plug #1 (Pictured Cliffs perfs and Fruitland perfs):** RIH with open ended tubing to 1910'. Pump 10 bbls water. Mix and pump 54 sx Class B cement (50% excess, long plug) from 1910' to 1599' over Pictured Cliffs and Fruitland perfs. POH and WOC. RIH and tag top of cement. Load well with water and circulate clean. Pressure test casing to 500#. POH with tubing.
5. **Plug #2 (Kirtland and Ojo Alamo tops):** Perforate 4 squeeze holes at 1030'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 980'. Pressure test tubing to 1000#. Establish rate into squeeze holes. Mix 99 sx Class B cement and squeeze 67 sx outside casing over Kirtland and Ojo Alamo tops from 1030' to 803' and leave 32 sx inside casing. POH and LD setting tool and tubing.
6. **Plug #3 (Surface):** Perforate 2 holes at 156'. Establish circulation out bradenhead valve. Mix approximately 62 sx Class B cement and pump down 5-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
7. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD. MOL. cut off anchors, and restore location.

Recommended: _____
Operations Engineer

Approval: _____
Production Superintendent

Douthit Federal #2

Current

Gallegos Fruitland

NW Section 27, T-27-N, R-11-W, San Juan County, NM

Today's Date: 9/22/94
Spud: 1/7/52
Completed: 2.01/52

Nacimiento
@ Surface

13-3/8" hole

10-3/4", 29.0# & 32.75#. Csg set @ 106'
Cmt w/80 sx (Circulated to Surface)

WORKOVER HISTORY

7/58 Sand water frac treatment. Fraced casing
perfs 1672' - 1682' w/20,000# sand and 20,000 gal
water. Cleaned out well and ran 1" tbg to 1770'.

Ojo Alamo @ 853'

Kirtland @ 980'

Top of Cmt @ 1570' (T.S.)

Fruitland @ 1649'

1", 1.7#, J-55, tbg @ 1770'

Perfs 1672' - 1682'

PBTD 1910'

CIBP @ 1910'

Pictured Cliffs @ 1947'

5-1/2" 14#. J-55, 8rd. Csg set @ 1956'
Cmt w/85 sx

7-7/8" hole

Open Hole: 1968' -2042' ,w/180 quarts solidified
Nitro-glycerin

TD 2042'

Douthit Federal #2

Proposed
Gallegos Fruitland

NW Section 27, T-27-N, R-11-W, San Juan County, NM

Today's Date 9/22/94
Spud: 1/7/52
Completed: 2/01/52

