

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  
1710' FSL, 790' FWL Sec.1, T-30-N, R-12-W, NMPM

5. Lease Number  
NM-02707

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Bolack F #2

9. API Well No.  
30-045-26467

10. Field and Pool  
Aztec PC

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 Injectio |
|  | <input type="checkbox"/> Other -                |   |

13. Describe Proposed or Completed Operations

It is intended to plug and abandon this well per the attached procedure and wellbore diagram.

RECEIVED  
JUL 0 8 1994  
OIL CON. DIV.  
BOL 3

RECEIVED  
JUL 0 8 1994  
OIL CON. DIV.  
BOL 3

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

Signed Scary Shadwell (HW4) Title Regulatory Affairs Date 6/30/94

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_

CONDITION OF APPROVAL, if any:

APPROVED

JUL 0 8 1994  
DISTRICT MANAGER

NMOOD

# PERTINENT DATA SHEET

6/27/94

|  |   |               |              |   |               |               |                      |
|--|---|---------------|--------------|---|---------------|---------------|----------------------|
| WELLNAME:        Bolack F #2   |   |               |              | DP NUMBER:        54149 A   |               |               |                      |
| WELL TYPE:        Aztec Pictured Cliffs  |   |               |              | ELEVATION:        GL:        5742'<br>KB:        5758'  |               |               |                      |
| LOCATION:        1710' FSL    790' FWL<br>Sec 1, T30N, R12W<br>San Juan County, New Mexico<br>Area 4 |   |               |              | INITIAL POTENTIAL:        N/A<br><br>SICP:  |               |               |                      |
| OWNERSHIP:        GWI:    50.0000%<br>NRI:    43.7500%   |   |               |              | DRILLING:        SPUD DATE:    07-18-85<br>COMPLETED:    10-08-85<br>TOTAL DEPTH:    2258'<br>PBD:        2248' |               |               |                      |
| CASING RECORD:   |   |               |              |   |               |               |                      |
| <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>           |
| 12 1/4"  | 8 5/8"  | 24#           | K-55         | 144'  |               | 130cf         | circulate to surface |
| 7 7/8" / 6 3/4"<br>reduced @ 1595'   | 2 7/8"  | 6.4#          | J-55         | 2258'   |               | 801 cf        | 250' (TS)            |
| tubing   | 1 1/4"  | 2.33#         | IJ V-55      | 2205'   |               |               |                      |
| FORMATION TOPS:  |   |               |              |   |               |               |                      |
|  | Ojo Alamo   | 550'          |              | Mancos  |               |               |                      |
|  | Kirtland  | 645'          |              | Gallup  |               |               |                      |
|  | Fruitland   | 1755'         |              | Greenhorn   |               |               |                      |
|  | Picture Cliffs  | 2106'         |              | Graneros  |               |               |                      |
|  | Lewis   |               |              | Dakota  |               |               |                      |
|  | Cliff House   |               |              |   |               |               |                      |
|  | Menefee   |               |              |   |               |               |                      |
|  | Point Lookout   |               |              |   |               |               |                      |
| LOGGING:        TS - GR - IND - ND   |   |               |              |   |               |               |                      |
| PERFORATIONS    2118', 2124', 2134', 2143', 2152', 2169', 2176', 2193', 2200', 2213' w/ 1spz         |   |               |              |   |               |               |                      |
| STIMULATION:    62,000# 10/20 sand, & 69,520 gal slickwater ( 1000 gal 15% HCl, 0.5 gal/1000 WFR-2 ) |   |               |              |   |               |               |                      |
| WORKOVER HISTORY:  |   |               |              |   |               |               |                      |
| May-87   | Clean sand out of wellbore to PBD, landed 1 1/4" tubing @ 2205' |               |              |   |               |               |                      |
| PRODUCTION HISTORY: <u>Gas</u> <u>Oil</u> DATE OF LAST PRODUCTION: <u>Gas</u> <u>Oil</u>             |   |               |              |   |               |               |                      |
| Cumulative as of March 94:    17620 Mcf    0 MBbl        February, 1991    12 Mcf    0 Bopd          |   |               |              |   |               |               |                      |
| Current:        0 Mcf        0 Bopd  |   |               |              |   |               |               |                      |
| PIPELINE:  |   |               |              |   |               |               |                      |

# Bolack F #2

CURRENT

Pictured Cliffs  
DPNO 54149A

1710' FSL, 790' FWL,  
Section 1, T-30-N, R-12-W, San Juan County, NM

Spud : 7-18-85

Completed : 10-8-85

Ojo Alamo @ 550'

Kirtland @ 645'

Fruitland @ 1755'

Pictured Cliffs @ 2106'

PBTD 2248'

TD 2258'

8-5/8" 24# K55, Csg set @ 144'  
Circulated 130 cf cmt to surface

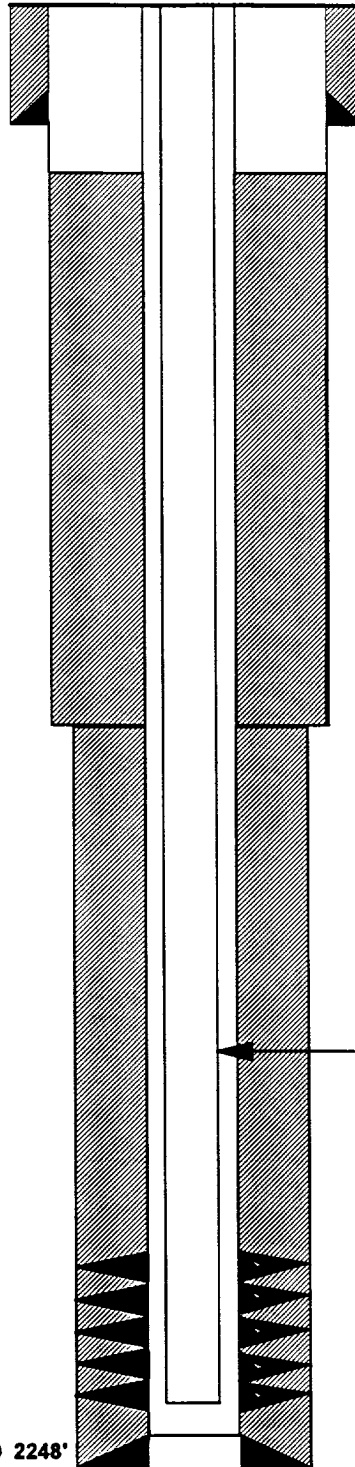
Hole changes size from 7 7/8" to 6 3/4" @ 1595'

1 1/4", 2.33#, IJ V-55 tubing set @ 2205'

Perfs @ 2118'-2213'

Baffle @ 2248'

2 7/8", 6.4#, J55 Csg set @ 2258',  
circ. 801 cf cmt, TOC 250' (TS)



## PLUG & ABANDON PROCEDURE

Bolack F #2  
Pictured Cliffs - DPNO 54149A  
SW/4 Sec. 1, T30N, R12W  
San Juan Co., New Mexico

1. Install and test location rig anchors. Prepare blow pit (for cement washout only).
2. MOL and RU daylight pulling unit. RU atmospheric blow out tank. NU relief line to atmospheric tank. Comply to all NMOCD, BLM, and MOI regulations. Conduct safety meeting for all personnel on location.
3. Blow down well and kill with water as necessary. ND wellhead and NU BOPs. Test operation of BOPs.
4. Pull 1 1/4" tubing and POOH, run a 2 7/8", 6.4# gauge ring to 2100', PU a 2 7/8" cement retainer, and TIH.
5. **Plug #1 (Pictured Cliffs / Fruitland; 2213' to 1700')**: Set cement retainer at 2065'. Establish rate and squeeze PC perforations with 9 sx class B cement. Sting out of retainer and spot 12 sx cement on top of retainer. Spot drilling mud between Plug #1 and Plug #2. Pressure test 2 7/8" casing to 500 psi.
6. **Plug #2 (Kirtland / Ojo Alamo; 695' to 500')**: Spot plug with 7 sx class B cement inside pipe. WOC ~ 4 hours, tag plug. Spot drilling mud between Plug #2 and Plug #3. Pressure test 2 7/8" casing to 500 psi. POOH.
7. **Plug #3 (Surface Casing Shoe; 195' to Surface)**: Perforate 2 holes at 195'. Establish circulation down 2 7/8" casing and out bradenhead valve. Pump class B cement and circulate out bradenhead ( $\cong$  60 sx).
8. Cut off wellhead below surface casing flange and install dry hole marker to BLM specifications. Release rig and restore location.
  - Cement volumes are calculated from 50' above and 50' below formation tops.
  - Surface plug volume is calculated from 50' below casing shoe to surface.
  - All cement volumes are calculated with 100% volume excess outside the pipe and 50' plug length excess inside the pipe.
  - Plugs spotted on top of cement retainers will fill minimum of 50' inside pipe.
  - Drilling mud will be mixed to 8.4 ppg weight and 40 viscosity.

Recommended: \_\_\_\_\_  
Summer Operations Engineer

Approval: \_\_\_\_\_  
Production Superintendent

# Bolack F #2

P & A

Pictured Cliffs  
DPNO 54149A

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