

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAR 1 1996

Sundry Notices and Reports on Wells

070 12. 1200N, NM

1. Type of Well
GAS

5. Lease Number
SF-078872A
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name

2. Name of Operator
MERIDIAN OIL

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

8. Well Name & Number
Frontier B #4
9. API Well No.
30-045-06812
10. Field and Pool
Kutz Gallup
11. County and State
San Juan Co, NM

4. Location of Well, Footage, Sec., T, R, M
990' FSL, 990' FWL, Sec. 4, T-27-N, R-11-W, NMPM

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.

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OIL CON. DIV.
DIST. 3

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

Signed [Signature] (VGW2) Title Regulatory Administrator Date 3/8/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

NMOCD

APPROVED
[Signature]
DIST. 3

**FRONTIER B#4
PLUG & ABANDONMENT PROCEDURE**

Undesignated Gallup
990' FSL, 990 FWL
SW Section 4, 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 Meridian safety regulations. **Notify MOI Regulatory (Peggy Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document the approval in Dims/Wims. As much time as possible to the pump time is needed for the Agency to be able to show up for the cement job.**
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. Pull and LD rods and pump; hot oil tubing and rods if necessary. ND wellhead and NU BOP. Test BOP.
3. PU on tubing and release anchor at 5840'. POH with anchor and tally 2-3/8" tubing; visually inspect the tubing. LD anchor. If necessary, PU 2" workstring.
4. **Plug #1 (Gallup perforations & top, 6014' - 5505'):** RIH with open ended tubing to 6014' or as deep as possible. Pump 30 bbls water. Mix and pump 70 sxs Class B cement (20% excess, long plug) and spot a balanced plug inside casing over Gallup perforations and top. POH with tubing and WOC. While WOC, RIH with 5-1/2" gauge ring or casing scraper to 2869'. RIH and tag cement. POH to 2869'. Load well and circulate clean. Pressure test casing to 500#.
5. **Plug #2 (Mesaverde top, 2919' - 2819'):** Perforate 3 HSC squeeze holes at 2919'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 2869'. Pressure test tubing to 1000#, establish rate into squeeze holes. Mix 47 sxs Class B cement and squeeze 30 sxs cement outside 5-1/2" casing and leave 17 sxs cement inside casing to cover Mesaverde top. POH to 1996'.
6. **Plug #3 (Pictured Cliffs and Fruitland tops, 1996' - 1696'):** Mix 40 sxs Class B cement and spot a balanced plug inside casing to cover Fruitland top. Pressure test casing to 500#. POH with tubing and LD setting tool.
7. **Plug #4 (Kirtland and Ojo Alamo tops, 946' - 764'):** Perforate 3 HSC squeeze holes at 946'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and RIH; set at 846'. Pressure test tubing to 1000#, establish rate into squeeze holes. Mix 80 sxs Class B cement and squeeze 53 sxs cement outside 5-1/2" casing and leave 26 sxs cement inside casing to cover Ojo Alamo top. POH and LD tubing.

8. **Plug #5 (Surface):** Perforate 2 squeeze holes at 223'. Establish circulation out bradenhead valve. Mix and pump approximately 79 sxs Class B cement down 5-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
9. BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Operations Engineer

Production Superintendent

Frontier B #4

Current 3/6/96

Undesignated Gallup

990' FSL, 990' FWL

SW Section 4, T-27-N, R-11-W, San Juan County, NM

Longitude/Latitude: 108.014191 - 36.599609

Today's Date: 2/29/96

Spud: 6/27/60

Completed: 8/3/60

Workover: 3/16/62

Elev.: 6161' (DF)

12-1/4" Hole

9-5/8" 36# J-55 Csg set @ 173'
150 sxs cement (Circulated to Surface)

Ojo Alamo @ 814'

Kirtland @ 896'

TOC @ 1675' (CBL)

Fruitland @ 1746'

Pictured Cliffs @ 1946'

DV Tool @ 2244'
Cmt w/100 sxs

187 joints 2-3/8" tubing @ 5964'

Mesaverde @ 2869'

TOC @ 4080' (CBL)

Gallup @ 5555'

Baker tubing anchor @ 5840'

Gallup perms @ 5869' - 5896', 5946' - 5964'
Frac'd w/71,200 gl. oil, 37,500# 20/40 sd.

5-1/2" 15.5# J-55 casing set @ 6037'
Cmt w/ 200 sxs

7-7/8" Hole

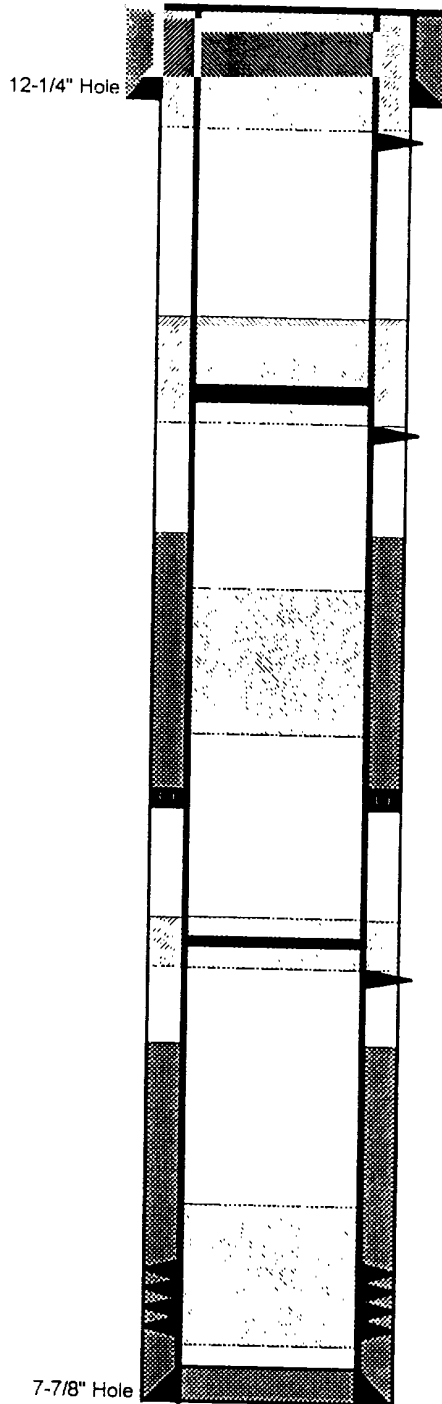
TD 6037'

Frontier B #4

Proposed P & A
Undesignated Gallup

990' FSL, 990' FWL
SW Section 4, T-27-N, R-11-W, San Juan County, NM
Longitude/Latitude: 108.014191 - 36.599609

Spud: 6/27/60
Completed: 8/3/60
Workover: 3/16/62
Elev. 6161' (DF)



9-5/8" 36# J-55 Csg set @ 173'
150 sxs cement (Circulated to Surface)

Plug #5 223' - Surface
Cmt with 78 sxs Class B.

Plug #4 946' - 764'
Cmt with 80 sxs Class B, 54 sx
outside and 26 sxs inside.

Cement Rt @ 846'

Perforate @ 946'

TOC @ 1675' (CBL)

Plug #3 1996' - 1696'
Cmt with 40 sxs Class B.

DV Tool @ 2244'
Cmt w/100 sxs

Plug #2 2919' - 2819'
Cmt with 47 sxs Class B, 30 sx
outside and 17 sxs inside.

Cement Rt @ 2869'

Perforate @ 2919'

TOC @ 4080' (CBL)

Gallup perms @ 5869' - 5896', 5946' - 5964'
Frac'd w/71,200 gl. oil, 37,500# 20/40 sd.

Plug #1 6014' - 5505'
Cmt with 70 sxs Class 3,
(20 % excess, long plug).

5-1/2" 15.5# J-55 casing set @ 6037'
Cmt w/ 200 sxs

TD 6037'