

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

Sundry Notices and Reports on Wells

95 APR 25 AM 7:45

070 FARMINGTON, NM

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  
1668'FNL, 822'FEL, Sec.25, T-26-N, R-9-W, NMPM

5. Lease Number  
NM-09840  
6. If Indian, All. or  
Tribe Name  
7. Unit Agreement Name  
8. Well Name & Number  
Tibbar Federal #4  
9. API Well No.  
30-045-20039  
10. Field and Pool  
Basin Dakota  
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.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

RECEIVED  
APR 28 1995  
OIL CON. DIV.  
DIST. 3

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

Signed [Signature] (ROS1) Title Regulatory Affairs Date 4/20/95

(This space for Federal or State Office use)

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

CONDITION OF APPROVAL, if any:

APPROVED

APR 25 1995

DISTRICT MANAGER

NMOCD

# PERTINENT DATA SHEET

<b>WELLNAME:</b> Tibbar Federal #4	<b>DP NUMBER:</b> 51646A <b>PROP NUMBER:</b> 012615801																																																
<b>WELL TYPE:</b> Basin Dakota	<b>ELEVATION:</b> GL: 6254' KB: 6267'																																																
<b>LOCATION:</b> 1668' FNL 822' FEL NE Sec. 25, T26N, R09W San Juan County, New Mexico	<b>INITIAL POTENTIAL:</b> AOF 3.266 MCF/D  SICP: April, 1993 440 PSIG																																																
<b>OWNERSHIP:</b> GWI: 50.000000% NRI: 33.500000%	<b>DRILLING:</b> SPUD DATE: 03-13-67 COMPLETED: 03-29-67 TOTAL DEPTH: 6481' PBTD: 6465' COTD: 6465'																																																
<b>CASING RECORD:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>HOLE SIZE</th> <th>SIZE</th> <th>WEIGHT</th> <th>GRADE</th> <th>DEPTH</th> <th>EQUIP.</th> <th>CEMENT</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>12-1/4"</td> <td>8-5/8"</td> <td>24.0#</td> <td>J-55</td> <td>303'</td> <td>-</td> <td>175 sx</td> <td>surface</td> </tr> <tr> <td>7-7/8"</td> <td>4-1/2"</td> <td>10.5#</td> <td></td> <td>6481'</td> <td>Stg Tool @ 2088'</td> <td>500 sx</td> <td>surface</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Stg Tool @ 4598'</td> <td>250 sx</td> <td>2581' (75%)</td> </tr> <tr> <td>Tubing</td> <td>2-3/8"</td> <td>4.7#</td> <td>J-55</td> <td>6374'</td> <td>FC @ 6479'</td> <td>300 sx</td> <td>5097' (75%)</td> </tr> <tr> <td colspan="8" style="text-align: center;">2-3/8", 4.7#, J-55, Tbg @ 6374'</td> </tr> </tbody> </table>		HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC	12-1/4"	8-5/8"	24.0#	J-55	303'	-	175 sx	surface	7-7/8"	4-1/2"	10.5#		6481'	Stg Tool @ 2088'	500 sx	surface						Stg Tool @ 4598'	250 sx	2581' (75%)	Tubing	2-3/8"	4.7#	J-55	6374'	FC @ 6479'	300 sx	5097' (75%)	2-3/8", 4.7#, J-55, Tbg @ 6374'							
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<b>LOGGING:</b> IEL, Density Log, CBL, Audio Profile Log																																																	
<b>PERFORATIONS</b> 6294' - 90', w/2 JPF, 6296' - 98', w/4 JPF, 6300' - 08', w/2 JPF, 6318' - 20', w/4 JPF, 6364' - 72', 6382' - 88', w/2 JPF, 6394' - 98', 6404' - 04', w/4 JPF, Total 140 Holes																																																	
<b>STIMULATION:</b> Sand-Water frac w/90,000# 10/20 sand, 112,000 gal. treated wtr., 1% CaCl 3# J-100/1000 gal. Ball injection failed to inject balls. Refrac w/40,000# 10/20 sand, 50,000 gals same treated wtr. using 83 nylon core balls in 4 stages.																																																	
<b>WORKOVER HISTORY:</b> Sept. 1993: Repair Bradenhead flow. MOL & RU. ND WH. NU BOP. TOOH w/2-3/8" tbg. Set RBP @ 2000'. Fill hole w/2% KCL wtr. Dump 2 sx sand. Ran CBL & Audio Profile Log. Perf 2 holes @ 1926'. Set FBP @ 1595'. Sqz w/50 sx Class B w/2% CaCl. Pull 4 std. Rest Pkr. & pressure up to 1500 psi. WOC. Drl. cmt 1595'-1745', Perf 2 holes @ 1730'. Spot 15 sx balanced plug. Perf 2 holes @ 878'. Set FBP @ 611'. Spot 25 sx plug 883'-563'. Reverse out. PT 1600#, OK. TIH, tag cmt @ 610'. Drl. cmt @ 610'-883'. PT csg 500#, OK. Ran Audio Profile Log. TOOH w/RBP. Set RBP @ 2996'. Ran CBL & Audio Profile Log. Perf 3 holes @ 2760'. Set FBP @ 2460'. Sqz w/200 sx Class G w/2% CaCl and 0.6% FLA. TOOH w/FBP. Perf 2 holes @ 312'. Pump 200 sx Class G cmt w/2% CaCl. TOOH w/FBP. Tag cmt @ 150'. Drl cmt 150'-314'. PT csg 500#, OK. TIH, tag cmt @ 2603'. Drl cmt 2603'-2763'. PT, OK. TOOH w/BP. Land 2-3/8", 4.7#, J-55, tbg @ 6374'. ND BOP. NU WH.																																																	
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## PLUG & ABANDONMENT PROCEDURE

4-17-95

**Tibbar Federal #4**  
Basin Dakota  
NE, Sec. 25, T26N, R6W  
San Juan County, 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 and NU BOP, test.
3. POH and tally 2-3/8" EUE tubing (6374'). Visually inspect tubing, if tubing has heavy scale or is in poor condition then LD and PU 2-3/8" workstring. PU 4-1/2" casing scraper or wireline gauge ring and round trip to 6220'.
4. **Plug #1 (Dakota perforations and Gallup top, 6408' - 5290')**: PU a 4-1/2" cement retainer and RIH; set at 6220'. Pressure test tubing to 1000#. Establish rate into Dakota perforations. Mix and pump 103 sx Class B cement, squeeze 29 sx cement below cement retainer into Dakota perfs and spot 74 sx above the retainer to 5290' to cover Dakota and Gallup tops. POH to 3510'. Load well with water; circulate clean. Pressure test casing to 500#.
5. **Plug #2 (Mesaverde top, 3510' - 3410')**: Mix 12 sx Class B cement and spot a balance plug from 3510' to 3410' inside casing over Mesaverde top. POH to 1877'.
6. **Plug #3 (Pictured Cliffs and Fruitland tops, 1877' - 1694')**: Mix 18 sx Class B cement and spot a balanced plug inside casing from 1877' to 1694' inside casing. POH to 1162'.
7. **Plug #4 (Kirtland and Ojo Alamo tops, 1162' - 955')**: Mix 20 sx Class B cement and spot a balanced plug from 1162' to 955' inside casing. POH to 353'.
8. **Plug #5 (353' - Surface)**: Mix approximately 27 sx Class B cement and spot a balanced plug from 353' to surface, circulate good cement out casing valve. POH and LD tubing. Shut in well and WOC.
9. ND BOP and cut below surface casing flange. Install P&A marker with cement to comply with regulations. RD, Move off location, cut off anchors, and restore location.

Recommended: \_\_\_\_\_

Operations Engineer

Approval: \_\_\_\_\_

Production Superintendent

# Tibbar Federal #4

CURRENT

Basin Dakota

1665' FNL, 822' FEL,  
NE, Section 25, T-26-N, R-09-W, San Juan County, NM

RECEIVED  
BLM

95 APR 25 AM 7:45

070 FARMINGTON, NM

Today's Date: 4/17/95  
Spud: 3/13/67  
Completed: 3/29/67

12-1/4" hole

8-5/8", 24.0#, J-55, Csg set @ 303',  
Cmt w/175 sx (Circulated to Surface)

Ojo Alamo @ 1005'

Kirtland @ 1112'

Fruitland @ 1744'

Pictured Cliffs @ 1827'

## WORKOVER HISTORY

Bradenhead Repair, Sept 1993:  
Set RBP @ 2000'. Ran CBL & Audio  
Profile Log; perf 2 holes @ 1926', set  
FBP @ 1595', sqz w/50 sx Class B  
Cmt; PT, OK. Drl cmt; Perf 2 holes @  
1730', spot 15 sx balanced plug. Perf 2  
holes 878', set FBP @ 611', spot 25 sx  
plug. Drl cmt; PT to 500#, OK. Ran  
Audio Profile Log & CBL. Perf 3 holes  
@ 2760', set FBP @ 2460', sqz w/200  
sx Class G cmt. Perf 2 holes @ 312',  
pump 200 sx Class G cmt, 2603' -  
2763'. PT, OK.

Stg Tool @ 2088',  
Cmt w/500 sx

Top of Cmt @ 2581' (Calc 75%)

Stg Tool @ 4598',  
Cmt w/250 sx

Top of Cmt @ 5097' (Calc 75%)

2-3/8", 4.7#, J-55, tbg set @ 6374'

Dakota Perforations:  
6270' - 6408', Total 140 Holes

Mesaverde @ 3460'

Gallup @ 5340'

Graneros @ 6242'

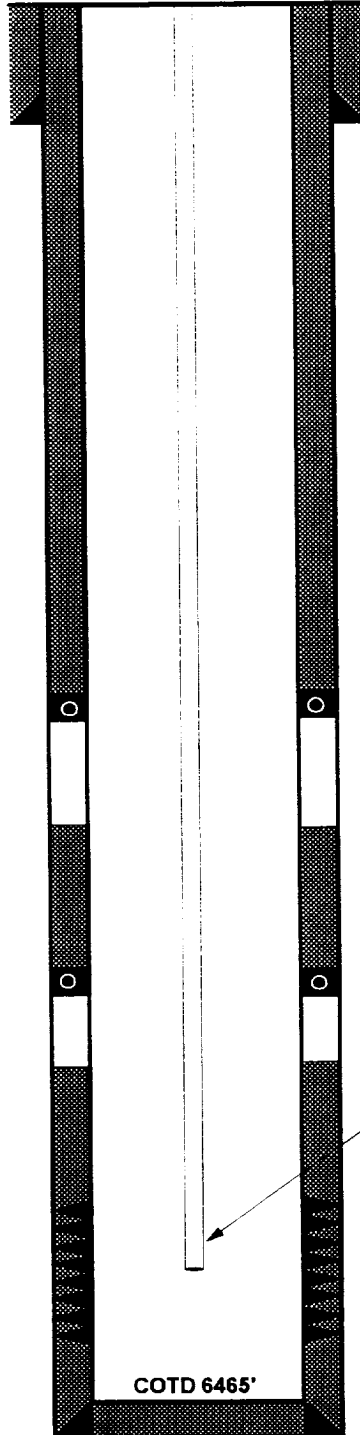
Dakota @ 6360'

COTD 6465'

7-7/8" hole

4-1/2", 10.5#, 8rd, Csg set @ 6481',  
Cmt w/300 sx

TD 6481'



# Tibbar Federal #4

## PROPOSED P&A

Basin Dakota

1665' FNL, 822' FEL,  
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12-1/4" hole

353'

955'

1162'

1694'

1877'

3410'

3510'

5290'

7-7/8" hole

COTD 6465'

TD 6481'

8-5/8", 24.0#, J-55, Csg set @ 303',  
Cmt w/175 sx (Circulated to Surface)

**Plug #5:** 353' - Surface,  
Cmt w/27 sx Class B cmt.

**Plug #4:** 1162' - 955',  
Cmt w/20 sx Class B cmt.

**Plug #3:** 1877' - 1694',  
Cmt w/18 sx Class B cmt.

Stg Tool @ 2088',  
Cmt w/500 sx

Top of Cmt @ 2581' (Calc 75%)

**Plug #2:** 3510' - 3410',  
Cmt w/12 sx Class B cmt.

Stg Tool @ 4598',  
Cmt w/250 sx

Top of Cmt @ 5097' (Calc 75%)

**Plug #1:** 6408' - 5290',  
Cmt w/103 sx cmt, 29 sx  
below retainer and 74 sx  
above.

**Cement Ret @ 6220'**

Dakota Perforations:  
6270' - 6408', Total 140 Holes

4-1/2", 10.5#, 8rd. Csg set @ 6481',  
Cmt w/300 sx

**UNITED STATES DEPARTMENT OF THE INTERIOR**

**BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE**

1235 La Plata Highway  
Farmington, New Mexico 87401

**Attachment to Notice of**

**Intention to Abandon**

**Re: Permanent Abandonment**

**Well: 4 Tibbar Federal**

**CONDITIONS OF APPROVAL**

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."

2. **Mike Flaniken** with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.

3. The following modifications to your plugging program are to be made (when applicable):

- 1.) Extend the Fruitland-Pictured Cliffs plug from 1877'-1694' to **1935'-1602'**.  
( Pictured Cliffs top @ 1885' and Fruitland top @ 1652' )
- 2.) Move the Ojo Alamo cement plug from 1162'-955' to **1258'-1059'**.  
( Kirtland top @ 1208' and Ojo Alamo top @ 1109' )