

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 Inc.

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

4. Location of Well, Footage, Sec., T, R, M
1450' FSL, 790' FWL Sec. 34, T-27-N, R-6-W, NMPM

5. Lease Number
SF-079210
6. If Indian, All or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Reuter #2 7419
9. API Well No.

10. Field and Pool
Tocito/Basin Dk 71599
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
☒ Notice of Intent	☐ Abandonment
☐ Subsequent Report	☐ Recompletion
☐ Final Abandonment	☐ Plugging Back
	☐ Casing Repair
	☐ Altering Casing
	☒ Other - Complete Tocito/Commingle w/Dakota
	☐ Change of Plans
	☐ New Construction
	☐ Non-Routine Fracturing
	☐ Water Shut off
	☐ Conversion to Injection

13. Describe Proposed or Completed Operations

Meridian intends to add the Tocito sandstone of the Gallup interval to the subject wellbore. The resulting production will be commingled with the existing Dakota.

New Mexico Oil Conservation Division administrative approval of the downhole commingling and non-standard location applications are pending.

The Tocito will be completed per the attached procedure and wellbore schematic.

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

Signed Donna D. Shadfield (DB) Title Regulatory Affairs Date 1/27/93

(This report is for Federal or State Office use)
APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

HOLD 5-104 FM Casing SURFACE CASING REQUIREMENTS
NSK/DHC (E)

NMOC

APPROVED
DATE
FEB 01 1993
AREA MANAGER

**Reuter #2
Tocito Completion
Procedure**

PROCEDURE:

Prior to move on set rig anchors. Construct reserve and blow pit.
Notify Farmington BLM (326-6201) 24 hours prior to commencing operations.
Comply with all MOI, federal and state regulations.

1. Prior to move on, set 2 3/8" tubing choke at +/-7415'.
2. MOL & RU. RU 2 7/8" 2M choke manifold, production separator, and one 400 bbl frac tank for flowback. ND wellhead and NU 7 1/16" 3M BCP, stripping head and blooie line. Test BOP to insure proper functioning.
3. Tag PBDT at 7470'. Note top of fill (if fill above bottom perforation at 7450', make a clean out run to PBDT prior to setting bridge plug to isolate Dakota). TOH with 254 joints of 2 3/8" 4.7# J-55 8rd EUE tubing. Retrieve 2 3/8" tubing choke.
4. PU 4 1/2" 11.6# casing scraper. TIH with scraper on 2 3/8" tubing to +/-7200'. TOH.
5. TIH with 4 1/2" 11.6# top-drillable bridge plug on wireline. Set bridge plug at +/-7150' (88' above top Dakota perf @ 7238').
6. Load hole with 2% KCl, +/-114 bbls. Run CBL/GR/CCL.
7. Pressure test casing and bridge plug to 2000 psi.
8. Perforate two 0.5" squeeze holes at +/-6825'. RU on casing and establish injection rate and pressure into squeeze holes. Do not exceed 1500 psi. Perforate two 0.5" squeeze holes at +/-6650'.
9. PU 4 1/2" 11.6# cement retainer. TIH with retainer to +/-6800' and set. Pressure test tubing to 1500 psi.
10. With pipe rams open, establish circulation down tubing. Squeeze with 50 sx cement. Displace cement to top of retainer. **Do not overdisplace cement or exceed 500 psi during pumping operations.** Sting out of retainer and TOH with tubing.
11. WOC a minimum of four (4) hours. PU 3 7/8" bit and 4 1/2" 11.6# casing scraper. TIH with bit and scraper on 2 3/8" tubing. Clean out to top of retainer at +/-6800'. Close pipe rams and pressure test casing to 1500 psi. TOH with bit and scraper.
12. Once casing holds 1500 psi, RU wireline. TIH with dump bailer. Spot 16 gal 10% MSA acid across perforation interval from 6764'-6776'. TOH with dump bailer.
13. Perforate as follows:

<u>Interval</u>	<u>Feet</u>	<u>SPF</u>	<u>Holes</u>
6764'-6776'	12	4	48
Total:	12		48

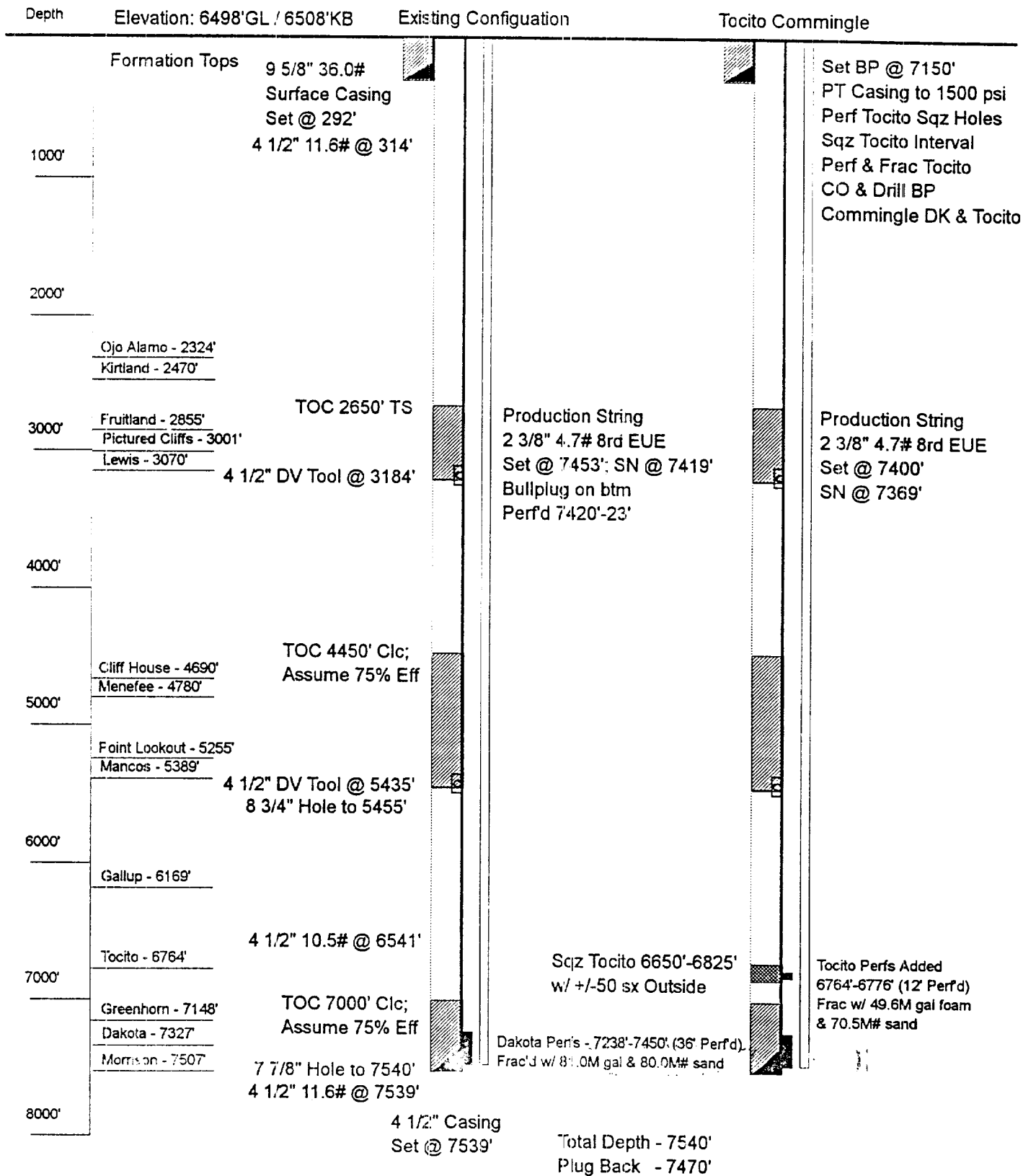
* Perfs will be adjusted to cased-hole GR as needed.

14. PU 4 1/2" retrievable packer. TIH with packer on 2 7/8" 9.2# N-80 buttress frac string with turned-down couplings to 6725'. Set packer. Land blanking plug in seating nipple. Pressure up annulus to 500 psi and hold. Pressure test tubing to 7000 psi for a minimum of 15 minutes. Bleed off pressure and retrieve blanking plug.
15. RU Halliburton to frac down 2 7/8" tubing. Pressure test surface lines to 8000 psi (1000 psi over maximum treating pressure) prior to proceeding with stimulation. **Frac during daylight hours only.**
16. Unseat packer. Spot 20 bbl 10% MSA acid to bottom of packer. Displace acid with 30# linear gel. Set packer and breakdown perforations with +/-30 bbls 30# linear gel. **Maximum treating pressure is 7000 psi.**

**Reuter #2
Tocito Completion
Procedure**

17. Fracture stimulate in 0.5 to 3.0 ppg stages with 49,600 gal of 70Q CO2 foamed 30# linear gel in 2% KCl and 70,500# 20/40 mesh Brown sand. **Maximum treating pressure is 7000 psi.**
18. Immediately upon completion of stimulation, open well to pit for 20 minutes. After 20 minute flow, shut-in well to allow gels to break.
19. After shut-in, open well to pit on positive choke. If well produces oil, turn production into separator and tank.
20. Once flow and pressure permits, release packer and TOH with 2 7/8" frac string.
21. PU 3 7/8" bit. TIH with on 2 3/8" tubing. Clean out to the top of the cement retainer at 6800'.
22. Drill out retainer and cement. Clean out to the top of the bridge plug at 7050'.
23. Drill off top slips of bridge plug at 7050'. Chase bottom of bridge plug below bottom Dakota perforation at 7450'. TOH with bit.
24. TIH with expendable check on bottom and seating nipple one joint up on 2 3/8" production string. Land tubing at +/-7400'. ND BOP and NU wellhead. Pump off check.
25. Release rig and move off.
26. RU wireline with mast truck. Run after-frac GR from 6900' - 6600' through tubing. RD wireline.

Reuter #2
Basin Dakota
NW/SW/4 Sec.34, T27N, R06W
Wellbore Schematic



SEE INSTRUCTIONS
APPLICABLE
SIZES LISTED - 4 copies
FEE LISTED - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-182
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

OFFICE:
P.O. Box 1980, Hobbs, NM 88240

OFFICE:
P.O. Drawer DD, Artesia, NM 88210

OFFICE:
1000 Rio Arriba Rd., Alamogordo, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the quarter corners of the section

Operator		Land		Well No.	
Meridian Oil Inc.		Reuter		2	
Use Letter	Section	Township	Range	County	State
L	34	27 North	6 West	MIAMI	Rio Arriba
Actual Footage Location of Well:					
1450	feet from the	South	line and	790	feet from the West line
Ground level Elev.	Footage	Pool	Dedicated Acreage		Acres
6498'	Tocito/Dakota	S. Blanco/Basin	80/320		
1. Outline the acreage dedicated to the subject well by crossed parcels or include stakes on the plat below.					
2. If more than one lease is dedicated to the well, outline each and identify the ownership interest (both as to working interest and royalty).					
3. If more than one lease of different ownership is dedicated to the well, have the amount of all covenants been extinguished by communication, lease-pooling, etc.?					
☐ Yes ☐ No If answer is "yes" type of extinguishment					
If answer is "no" list the covenants and their descriptions which have actually been extinguished. (Use reverse side of this form if necessary).					
No allowance will be assigned to the well until all covenants have been extinguished (by communication, lease-pooling, or otherwise) or until a non-standard well, extinguishing such interest, has been approved by the Division.					

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Peggy Bradfield

Printed Name

Regulatory Affairs

Position

Meridian Oil Inc.

Company

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature

Professional Seal

6857

6857

RECEIVED

FEB 3 1993

OIL CON. DIV.
DIST. 3

34

USA SF-079210

Not re-surveyed
prepared from a plat
By: David O. Vilven
Dated: 4-24-62

790'

1450'