

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  
1530'FNL, 990'FWL Sec.2, T-26-N, R-3-W, NMPM

5. Lease Number  
Jic.Cont 96  
6. If Indian, All. or  
Tribe Name  
Jicarilla Apache  
7. Unit Agreement Name

8. Well Name & Number  
Jicarilla 96 #6A  
9. API Well No.  
30-039-  
10. Field and Pool  
Blanco Mesa Verde/  
Gavilan Pic.Cliffs  
11. County and State  
Rio Arriba 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 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 checked="" type="checkbox"/> Other - add Pictured Cliffs & commingle	

13. Describe Proposed or Completed Operations

It is intended to add and complete the Pictured Cliffs formation to this well and commingle with the Mesa Verde per the attached procedure and wellbore diagram. Application has been made to the New Mexico Oil Conservation Division for commingling.

RECEIVED  
OCT 27 1993  
OIL CON. DIV.  
DIST. 3

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

Signed [Signature] (BA) Title Regulatory Affairs Date 9/20/93

(This space for Federal or State Office use) AREA MANAGER  
APPROVED BY SHIRLEY MONDY Title RIO PUECO RESOURCE AREA Date OCT 22 1993

CONDITION OF APPROVAL, if any:

NMOCD

School to Applicant  
District Office  
State Lease - 4 acres  
Fee Lease - 3 acres

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

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer 001, Arama, NM 88210

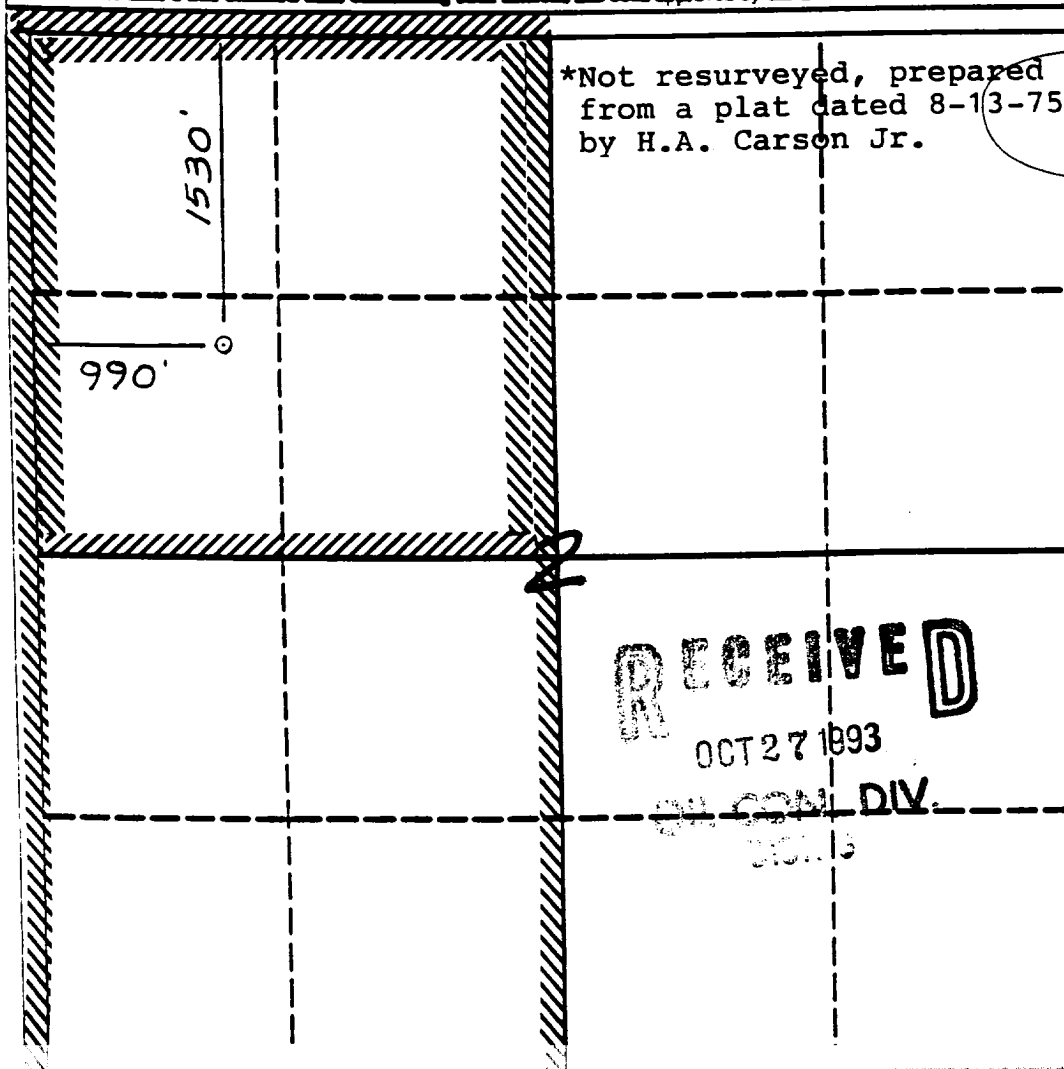
DISTRICT III  
1000 Rio Arriba Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.		Lease Jicarilla 96		Well No. 6A
Unit Letter E	Section 2	Township 26 North	Range 3 West	County Rio Arriba
Actual Forage Location of Well: 1530 feet from the North line and 990 feet from the West line				
Ground level Elev. 7071'	Producing Formation Pic.Cliffs/Mesa Verde	Pool Gavilan/Blanco	Dedicated Acreage 160/320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or inkline marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by commutation, unitization, forced-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_  
If answer is "no" list the owners and trust descriptions which have actually been consolidated. (Use reverse side of this form if necessary).  
No acreage will be assigned to the well until all interests have been consolidated (by commutation, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating 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 Rep.

Position  
Meridian Oil Inc.

Company  
9-21-93

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes & 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. 9-21-93

Date Surveyed  
Needle Edwards  
Professional Surveyor

9857  
CARTER COUNTY, NEW MEXICO

**JICARILLA 96 #6A**  
Section 2, T26N, R3W  
Recommended Recompletion Procedure  
*Pictured Cliffs Pay Add & Completion*

Note: Notify BLM (761-8762) and NMOCD (334-6178) 24 hours prior to rig activity.

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Inspect location and install and/or test rig anchors. Install 1 - 400 bbl rig tank and fill w/ 2% KCl water. Comply with all BLM, NMOCD, Jicarilla Apache, and MOI rules and regulations. Notify engineering when work has commenced. Hold Safety Meetings on a regular basis. Use a Daylight Rig if possible.

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1. Install 2 X 400 bbl frac tanks and fill with 2% KCl water.
2. Hold Safety Meeting. MIRU. Place fire and safety equipment in easily accessible locations. NU relief line and blooie line to laydown flow tank. Obtain and record all wellhead pressures.
3. Blow down tubing. If tubing will not blow down, kill well with KCl water.
4. TOOH with 6014' of 1-1/4", 2.40# tubing and LD. Visually inspect and tally tubing.
5. TIH w/ 4-1/2", 11.6# casing scraper and 2-3/8" 4.7# N-80 workstring. Make scraper run down to 3950'. TOOH. PU Baker Model G Retrievable bridge plug and Baker Retrievmatic E-A Packer, TIH and set bridge plug at 3950'. Pull up hole, set packer @ 3810' and pressure test bridge plug to 4000 psi for 15 minutes. TOOH
6. RU wireline. Run GR - CBL - CCL in 4-1/2 casing from bridge plug to TOC (TOC was located at 1550' with temp. survey). Evaluate GR - CBL - CCL and send copy to production engineering.
7. TIH w/ one joint of 2-3/8", 4.70# N-80 tubing and packer. Set packer. Pressure test bridge plug and packer to 4000 psi. If pressure test fails, prepare to test and repair casing. Contact Production Engineering and a casing repair will be submitted. TOOH with packer.

**Pictured Cliffs Stimulation:**

8. Select-Fire Perf. the following intervals w/ 3-1/8" HSC -3125-306, 12 gram Owen charges 0.31" holes w/ 12.02 " penetration:  
  
**3679', 3683', 3688', 3692', 3703', 3708', 3713', 3718', 3721', 3731', 3736', 3749', 3757', 3762', 3775', 3788', 3794'. (17 Holes)**
9. RD wireline. TIH w/ packer and one joint of 2-3/8" N-80 tubing. Set packer and prepare to breakdown perforations. Install TIW valve on top of tubing for acid job.
10. RU stimulation company. **Hold Safety Meeting. Maximum STP during acid job is 3000 psi.** Pump 24 bbls 7.5% HCl w/additives. Drop a total of 26 7/8" RCN ball sealers (1.1sp.gr.) spaced evenly throughout the job. Record rates and pressures while attempting to achieve ball-out. RD stimulation company.
11. TOOH w/ tbg and pkr. RU wireline, run junk basket to knock-off/retrieve as many ballsealers as possible. TIH w/ packer and one joint of 2-3/8" N-80 tubing. Prepare to fracture stimulate the Pictured Cliffs.

**Jicarilla 96 #6A  
Pictured Cliffs Pay-Add**

12. RU stimulation company. Pressure test surface treating lines to 5000 psi. **Maximum treating pressure is 3000 psi.** Fracture and tag the PC according to the attached procedure. Flow-back the well immediately using a 1/8" ceramic choke. Change choke size as needed to keep the well from logging off, if possible. When pressures and flow rates allow, release packer and TOOH.
13. TIH w/ retrieving head and 2-3/8" 4.70# workstring and clean out to the retrievable bridge plug with air until sand production is minimal. Obtain pitot gauge for the Pictured Cliffs formation. Record pitot gauge as the Pictured Cliffs formation only. Latch onto the retrievable bridge plug and release bridge plug while pumping water down the backside if necessary. TOOH.
14. RU wireline, run After-frac Tracer Survey-GammaRay (report if frac stayed in zone, if possible), POOH. RD wireline. Send copy of logs to Production Engineering.
14. TIH w/ one joint 2-3/8" 4.7# J-55 tubing, seating nipple, and 2-3/8" production tubing. Cleanout to 6014' with air. Land tubing and obtain final pitot gauge. ND BOP, NU WH. Contact Production Operations for well tie-in. RD and MOL.

Approved: \_\_\_\_\_  
Drilling Superintendent

**Suggested Vendors:**

Wireline:	Basin Perforating	327-5244
Radioactive Tag:	ProTechnics, Intl	326-7133
Frac String:	Cave Enterprises:	325-3401
Stimulation:	WCNA	327-6222
Packer/RBP:	Baker Service Tools	325-0216
Production Oper.:	Bruce Voiles	326-9571
Engineering:	Brian Ault	326-9871 w 326-6613 h

# Jicarilla 96 #6A

Sec.2, T26N, R3W

Pictured Cliffs Pay Add and Stimulation

