

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well GAS	5. Lease Number SF-078935 6. If Indian, All. or Tribe Name 7. Unit Agreement Name
2. Name of Operator Meridian Oil Inc.	8. Well Name & Number Thompson C #5 9. API Well No.
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	10. Field and Pool Basin Frt Coal West Kutz PC 11. County and State San Juan Co, NM
4. Location of Well, Footage, Sec., T, R, M 990'FNL, 990'FEL Sec.3, T-27-N, R-12-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 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 -

13. Describe Proposed or Completed Operations

It is intended to complete the Fruitland Coal formation in the existing Pictured Cliffs wellbore and produce the two formations via downhole commingling according to the attached procedure and wellbore diagrams. An application for this commingle was made to the New Mexico Oil Conservation Division June 11, 1992.

**RECEIVED**

JUL 14 1992

OIL CON. DIV.  
DIST. 3

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JUL 14 1992  
OIL CON. DIV.  
DIST. 3

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

Signed *James E. Smith* (KAS) Title Regulatory Affairs Date 7/2/92

(This space for Federal or State Office use)

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

CONDITION OF APPROVAL, if any: \_\_\_\_\_

**APPROVED**

Date

JUL 10 1992

AREA MANAGER

*/MOC*

Submit to appropriate  
District Office  
State Lands - 4 copies  
Fee Lands - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-28  
Revised 1-1-89

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OLN

92 JUL -6 PM 1:18

0157411-1070N.N.M.

DISTRICT I  
P.O. Box 1908, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Aztec, NM 88206

DISTRICT III  
1000 Rio Arriba Rd., Aztec, NM 87430

WELL LOCATION AND ACREAGE DEDICATION PLAT  
All Distances must be from the outer boundaries of the section

Operator: Meridian Oil Inc. Lease: Thompson C Well No. 5

Line Letter	Section	Township	Range	County
D	3	27 North	12 West	San Juan

Actual Surface Location of Well: 990 North 990 West

Ground level Elev. 5847' Fruittland Coal/Pictured Cliffs Basin/West Kutz

Dedicated Acreage: 320.22/160.22 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or ink on the plat below.

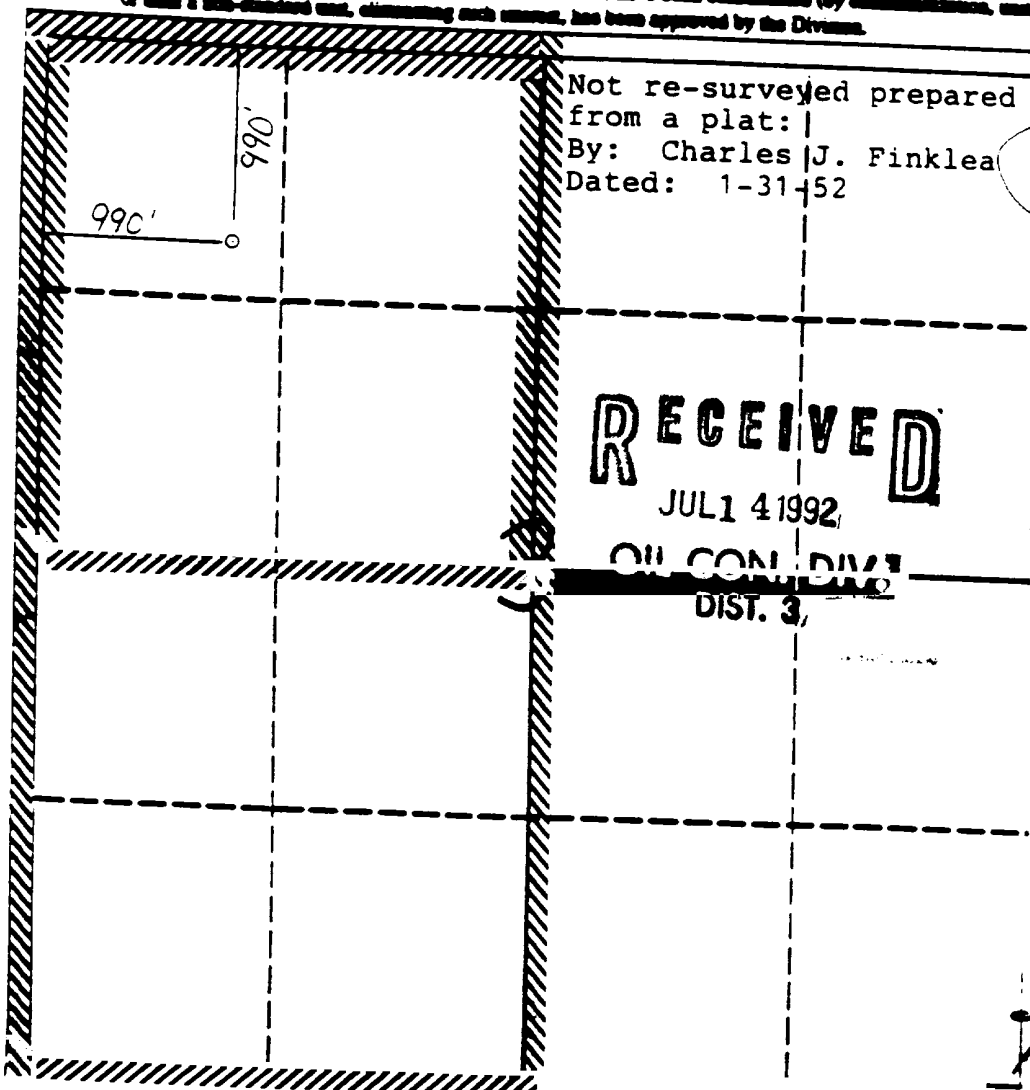
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been communitized by communitization, common, lease-pooling, etc.?

☐ Yes ☐ No If answer is "yes" type of communitization: communitization agreement will be obtained for FtCoal

If answer is "no" list the owners and their descriptions which have already been communitized. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been communitized (by communitization, common, lease-pooling, or otherwise) or until a non-standard unit, encompassing 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.

*Peggy Bradfield*  
Peggy Bradfield

Printed Name: Regulatory Affairs

Company: Meridian Oil Inc.

Date: 7-2-92

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: 6-19-92

Name: Ne

Surveyor: 6857

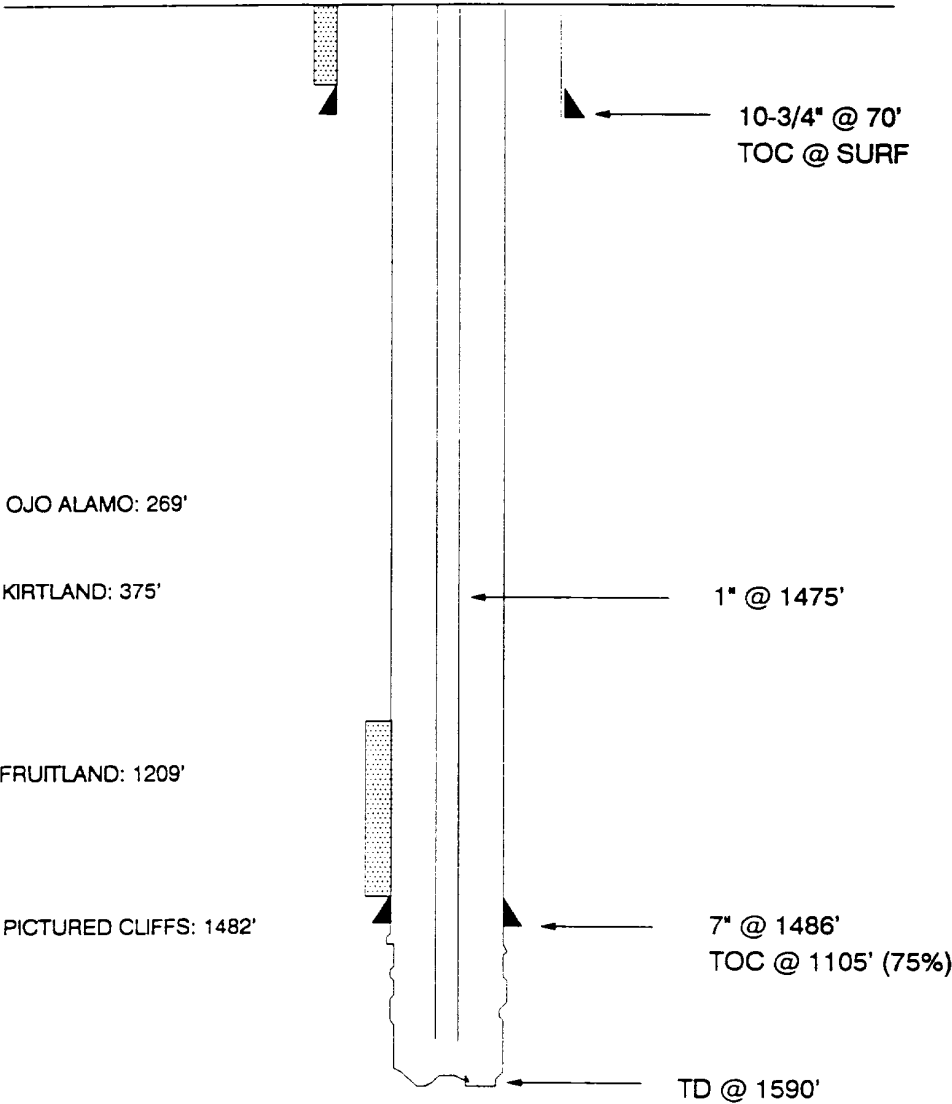
*[Signature]*

6857

CURRENT

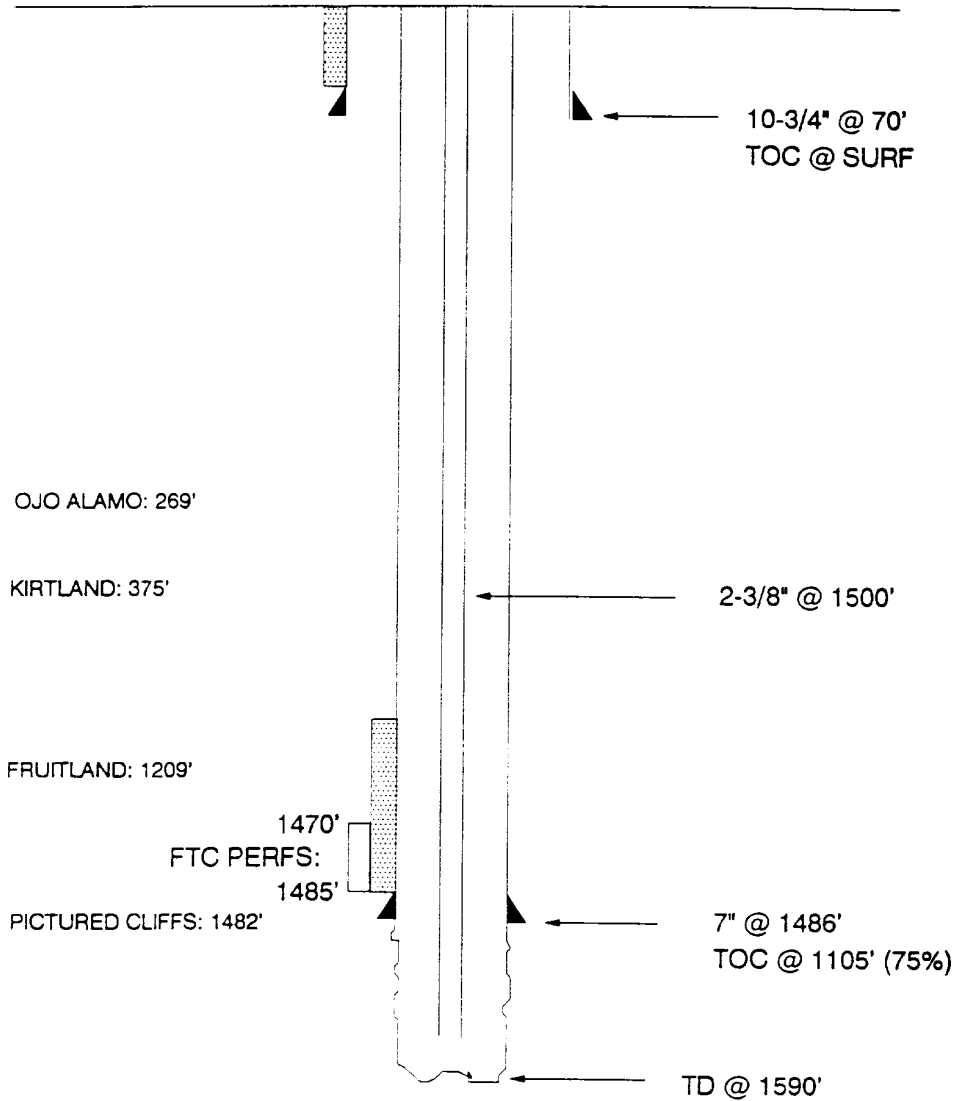
# THOMPSON C #5

UNIT D SECTION 3 T27N R12W  
SAN JUAN COUNTY, NEW MEXICO



PROPOSED  
**THOMPSON C #5**

UNIT D SECTION 3 T27N R12W  
SAN JUAN COUNTY, NEW MEXICO



Thompson C #5  
Recommend Recompletion Procedure  
Unit D Section 3 T27N R12W

1. MOL and RU. Comply to all NMOC, BLM and MOI rules & regulations. Hold safety meeting. ND wellhead. NU BOP. Test operation of rams. NU two relief lines. Blow well down.
2. TOOH w/ 1475' of 1" tbg.
3. In preparation of frac, fill 1 - 400 bbl frac tank with 2% KCL water. Filter all water to 25 microns.
4. TIH w/ 6-1/4" bit on 2-3/8" tbg and CO to TD (1590') w/ air mist.
5. RU wireline and pack-off and run GR & CNL and collar locator from 1590' - 260'. Determine depth of casing shoe and correlate formation depths to existing "type" log. Pick perforations from CNL log.
6. After csg shoe depth is determined set 7" retrievable BP as close to the bottom Fruitland coal as csg shoe will allow (approx 1480'). Run CBL. Pressure test csg and BP to 1000 psi. If csg fails, isolate csg leaks and squeeze as required. If holes occur at Ojo Alamo depths (approx 270'), contact production engineering.
7. a) If squeeze was performed, TIH w/ 6-1/4" bit on 2-3/8" tbg. Drill cmt & CO w/ water to 1480'. Pressure test csg leak repair to 1000 psi. Resq if necessary.  
b) If squeeze was not performed, pressure test csg to 3000 psi. If pressure test fails, squeeze as necessary. Pressure test repair to 1000 psi.  
  - If csg holds 3000 psi, prepare to frac down csg.
  - If csg cannot be made to hold 3000 psi, sq to hold 1000 psi and prepare to frac down frac string. TIH w/ pkr and set @ 1300'. Pressure test RBP to 4000 psi.
8. Perf Fruitland coal w/ 4" HSC guns w/ 9.8 gram charges. Shoot approx 1470-1485' w/ 4 SPF. Choose exact perms from CNL.
9. TIH w/ 2-3/8" tbg and SAP tool w/ 4' spacing. Breakdown perms with 1/2 bbl/ft at 1 BMP with 7 bbls 15% HCL. Add 0.3% quaternary amine type clay stabilizer, an inhibitor and sequestering agent to the acid. TOOH.
10. a) If csg holds 3000 psi, fracture treat down csg. RU hydraulic tree saver. RU Western for fracture treatment. Hold safety meeting with all personnel. Pressure test surface lines to 4000 psi. Fracture treat according to attached schedule at 30 BPM with 60,000 lbs of 20/40 mesh Arizona sand. Flush with 2151 gals 70 quality foam. All sand to be tagged with 0.4 mCi/1000# Ir-192 tracer. MAXIMUM PRESSURE IS LIMITED TO 3000 PSI! Monitor bottomhole and surface treating pressure, rate, foam quality and sand concentration with computer van. Frac during daylight only.

b) If csg can only be made to hold 1000 psi, with 500 psi held on backside & recorded, fracture treat coal down 3-1/2", 9.3#, N80, Flush Jt frac string w/ pkr set @ 1300'. Pressure test surface lines to 5000 psi. Perform frac as stated in the attached treatment schedule with a Max of 4000 psi and an estimated treating pressure of 2000 psi. Flush with 475 gals 70 quality foam. Frac during daylight only.

•Treat per the attached treatment schedule.

11. Immediately upon completion of the stimulation, flow the well to pit on 1/8" positive choke for 10 minutes. Monitor flow back pressure on square root of time vs pressure plot. SI well for 2 hours for gel break.
12. After gel break, open well through choke manifold & monitor flow. Flow @ 20 bbls/hr, or less if sand is observed.
13. When well ceases to flow, TOOH w/ frac string & pkr (if applicable). TIH w/ 2-3/8" tbg and retrieving head and clean out to BP until sand flow stops. Take Pitot gauge and gas & water samples before releasing BP. Release BP set @ 1480' and TOOH.
14. Run After-Frac-Gamma-Ray log from TD - 260'.
15. TIH w/ 1500' of 2-3/8" tbg w/ standard seating nipple one jt off bottom and 2-3/8" expendable check valve on bottom. Land tbg string.
16. ND BOP and NU independent wellhead. Pump off expendable check valve. Take final Pitot gauge. Rig down & release rig.

Approve:

\_\_\_\_\_  
J. A. Howieson

VENDORS:

Wireline:	Petro	326-6669
Fracturing:	Western	327-6222
RA Tagging:	Protechnics	326-7133

KAS:kas