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

5. **Lease Number**
   SF-047017B
6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

2. **Name of Operator**
   Meridian Oil Inc.

8. **Well Name & Number**
   Angel Peak B #14
9. **API Well No.**

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

4. **Location of Well, Footage, Sec., T, R, M**
   1650'FNL, 1650'FEL Sec.13, T-28-N, R-11-W, NMPM

10. **Field and Pool**
    Basin Frt Coal
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		
_x_ Notice of Intent	___ Abandonment	___ Change of Plans	
	___ Recompletion	___ New Construction	
___ Subsequent Report	__x Plugging Back	___ Non-Routine Fracturing	
	___ Casing Repair	___ Water Shut off	
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection	
	___ Other -		

13. **Describe Proposed or Completed Operations**

It is intended to plug back the wellbore from the Kutz Pictured Cliffs to the Fruitland Coal formation according to the attached procedure and wellbore diagrams.

RECEIVED
JUL1 4 1992
OIL CON. DIV.
DIST. 3

88 JUN 22 PM 2:38
070 FARMINGTON, N.M.
RECEIVED

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

Signed _____ Title Regulatory Affairs Date 6/16/92

(This space for Federal or State Office use)
APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

APPROVED
JUL 10 1992
AREA MANAGER

NMOCD

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

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

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

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-102
Revised 1-1-89

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

Operator	Lease	Well No.
Meridian Oil Inc.	Angel Peak B	14

Unit Letter	Section	Township	Range	County
G	13	28 North	11 West NMPM	San Juan

Actual Footage Location of Well:
1650 feet from the North line and 1650 feet from the East line

Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
5805'	Fruitland Coal	Basin	320 Acres

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

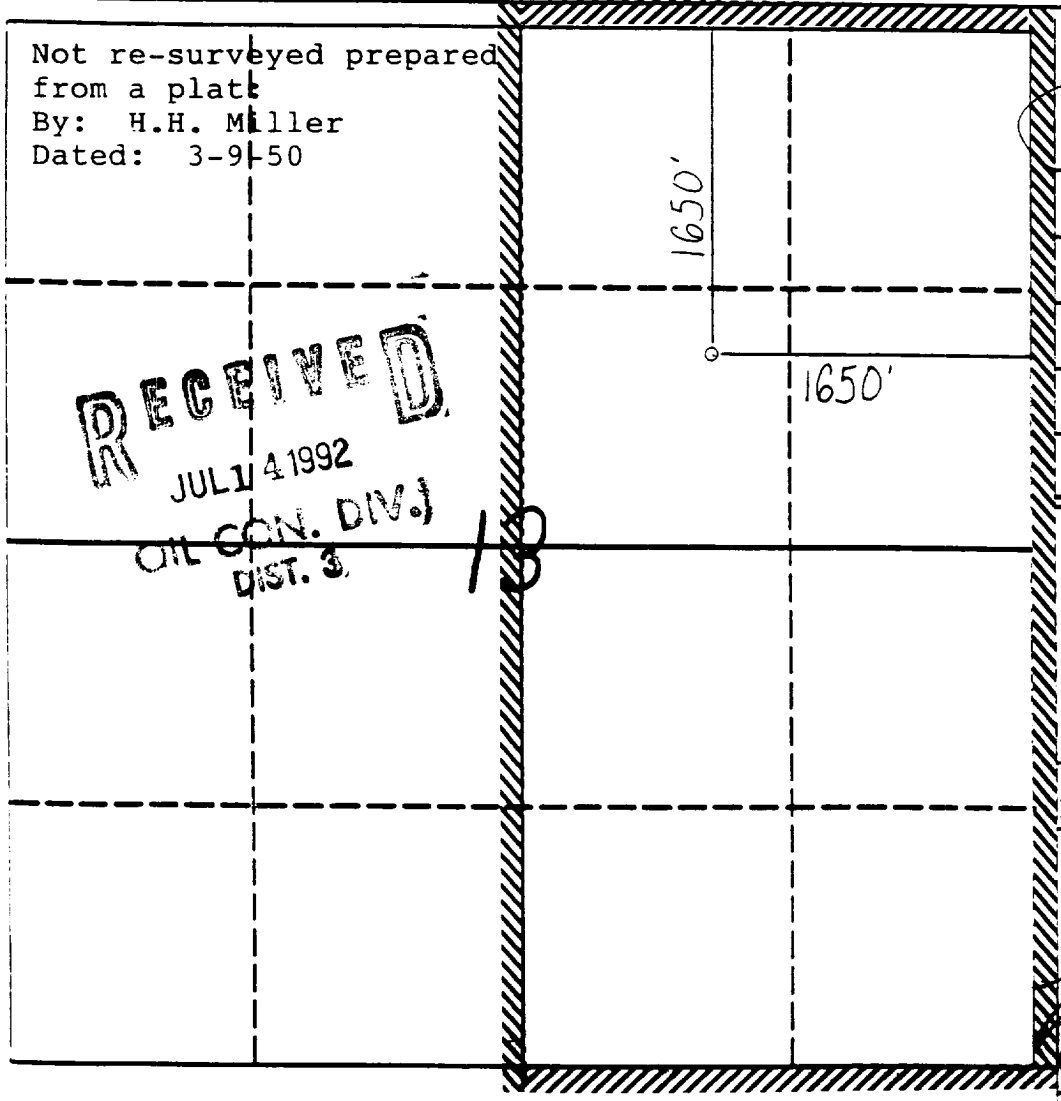
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary. _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



RECEIVED
JUL 14 1992
OIL CON. DIV.
DIST. 3

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

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: Peggy Bradfield

Position: Regulatory Affairs

Company: Meridian Oil Inc.

Date: 6-23-92

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 supervison, and that the same is true and correct to the best of my knowledge and belief. 6-19-92

Date Surveyed: Neal C. Edwards

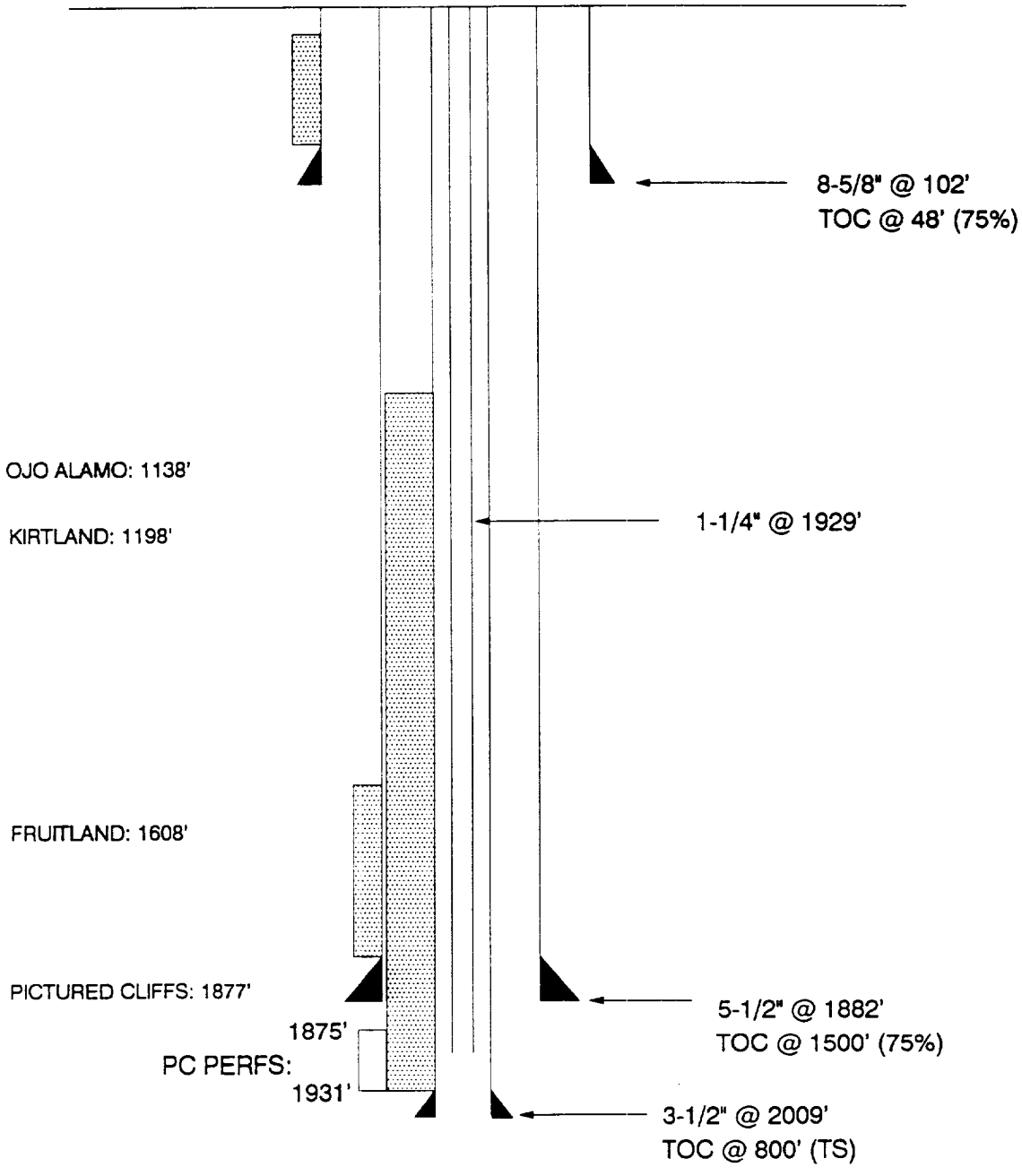
Signature & Seal of Professional Surveyor: NEAL C. EDWARDS 6857 NEW MEXICO

Certificate No. 6857

CURRENT

ANGEL PEAK B #14

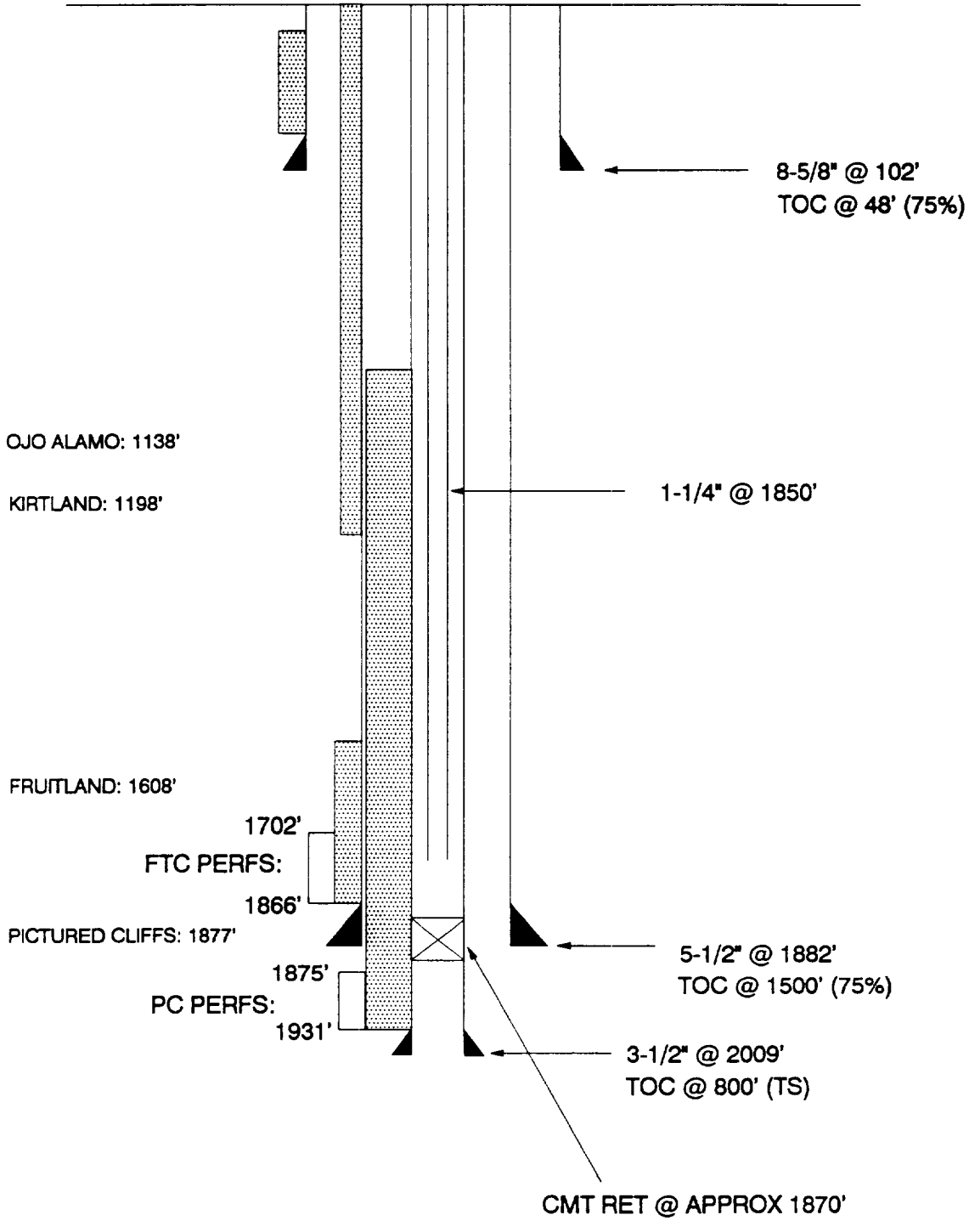
UNIT G SECTION 13 T28N R11W
SAN JUAN COUNTY, NEW MEXICO



PROPOSED

ANGEL PEAK B #14

UNIT G SECTION 13 T28N R11W
SAN JUAN COUNTY, NEW MEXICO



Angel Peak B #14
Recommend Recompletion Procedure
Unit G Section 13 T28N R11W

1. MOL and RU. Comply to all NMOCD, BLM and MOI rules & regulations. Hold safety meeting. ND wellhead. NU BOP. Blow well down, if necessary, kill with water.

2. TOOH w/ 1929' of 1-1/4" tbg.

3. PU 3-1/2" csg scraper on MOI's 1-1/4" N-80 work-string and TIH to 1940'. TOOH.

4. RU wireline and set 3-1/2" cmt ret as close to the bottom Fruitland coal as upper PC perforations will allow (approx 1870').

5. Load hole w/ water. Pressure test csg to 1000 psi to assure that holes exist in csg. TIH w/ workstring and pkr and pressure test under pkr to determine depth of deepest hole.

6. PU and install csg spear. PU 3-1/2" csg to release csg slips. RU wireline and run "Free-Point". Determine csg Free-Point. Run shot-rod through spear, shoot & back-off 1 jt above cmt top.

7. TOOH w/ 3-1/2" csg and replace all bad or <u>suspect</u> jts. TIH w/ good 3-1/2" csg and tie into existing csg in well. Pressure test csg and BP to 3000 psi. When csg holds, set csg in slips and cut off top of csg.

8. RU wireline and run CNL from 1870' - 1120'. Pick FTC perforations from CNL log. Perf 2 sq holes w/ 2-1/8" "Danya Cap" guns w/ 22 gram charges in uppermost coal interval (approx 1710'), choose exact depth from CNL. TIH w/ workstring and set pkr @ 1650'. Open bradenhead valve and attempt to establish rate w/ water.

   a) If good circ is established out bradenhead, pump 350 sxs cmt, followed with 145 gals water. Maximum injection pressure at surface is limited to 2250 psi @ a rate of 1 BPM. Release packer, pull up two stands and reverse circ 2 tbg volumes. Apply final sq pressure. WOC. DO cmt. <u>Do not pressure test this sq.</u>

   b) If rate is not established through sq holes, TOOH w/ pkr and tbg. TIH w/ RBP and set @ 1500'. Perf 2 sq holes @ 1250' (50' below the top of Kirtland). TIH w/ tbg and pkr and set @ 1100'. Open bradenhead and establish circulation w/ water. Pump 250 sxs cmt followed by 101 gals water. Drill out cmt and pressure test squeeze to 3000 psi. If pressure test fails re-squeeze with HOWCO "Mico-Matrix" cmt to achieve 3000 psi test.

- Tag all cmt w/ 1 mCi/1000# Gold (AU-198) tracer.

9. RU wireline and run tracer log from 1500' to surface.

10. If applicable, TIH w/ workstring and retrieving head and release BP set @ 1500'. TOOH. TIH w/ pkr and set at 1800' & pressure test the cmt ret below the pkr to 3000 psi.

11. Perf Fruitland coal w/ 2-1/8" "Danya Cap" guns w/ 22 gram charges. Shoot **approx** 1702-20', 1760-62', 1814-16', 1852-66' and w/ 4 SPF. Choose exact perfs from CNL.

12. TIH w/ work-string and PKR-BP assembly w/ 8' spacing. Breakdown perfs with 1/2 bbl/ft at 1 BMP with 14 bbls 15% HCL. Monitor braden head during break down. Add 0.3% quaternary amine type clay stabilizer, an inhibitor and sequestering agent to the acid. TOOH.

13. RU HOWCO for fracture treatment. Hold safety meeting with **all** personnel. Pressure test surface lines to 4000 psi. Fracture treat coal according to the attached schedule at 30 BPM w/ 90,000 lbs Arizona sand. Monitor bradenhead during frac. Flush with 573 gals 70 quality foam. Estimated treating pressure is 2100 psi. **Maximum treating 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**.

14. 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.

15. After gel break, open well through choke manifold & monitor flow. Flow @ 20 bbls/hr, or less if sand is observed.

16. TIH w/ 1-1/4" tbg and clean out to the cmt ret until sand flow stops. TOOH. Take Pitot gauges when possible.

17. Run After-Frac-Gamma-Ray log from PBTD(approx 1870') - 1150' (If possible!).

18. TIH w/ 1850' of 1-1/4" tbg w/ standard seating nipple one jt off bottom and 2-3/8" expendable check valve on bottom. Land tbg string.

19. ND BOP and NU wellhead. Pump off expendable check valve. **Take final Pitot gauge and gas & water samples.** Rig down & release rig.

Approve: _____
J. A. Howieson

VENDORS:

Wireline:	Blue Jet	325-5584	
Fracturing:	Smith	327-7281	
RA Tagging:	Protechnics	326-7133	
Cement:	Howco	325-3575	
Tools:	Baker	325-0216	
Csg Cut:	Wireline Specialties	327-7141	(if necessary)
Back Off and Csg Patch	Oil field Rentals (if necessary)	327-4421	

KAS:kas