

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

NOV 23 1990

OIL CON. DIV.

DIST. 3

1a. TYPE OF WORK PLUG BACK	5. LEASE NUMBER SF - 077056
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR Meridian Oil Inc.	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P.O. BOX 4289 FARMINGTON, NM 87499 (505) 326-9700	8. FARM OR LEASE NAME Cozzens
4. LOCATION OF WELL 1320' FSL, 1570' FWL	9. WELL NO. #1
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. Section 18, T29N, R11W
16. ACRES IN LEASE	12. COUNTY San Juan
17. ACRES ASSIGNED TO WELL 314.60	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.	20. ROTARY OR CABLE TOOLS
21. ELEVATIONS (DF, FT, GR, ETC.) 5757' GR	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <i>[Signature]</i> (CRB) REGULATORY AFFAIRS	DATE 10-24-90

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3. AS AMENDED
(NO ADDITIONAL DIRT WORK WILL BE REQUIRED)

NOV 15 1990
Ken Townsend
FOR AREA MANAGER

Hold C-104 FOR CRB
NMCOO

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
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 00, Artesia, NM 88210

DISTRICT III
1000 Rio Grande 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 Cozzens (SF-077056)		Well No. 1
Unit Letter K	Section 18	Township 29 North	Range 11 West	County NMFM San Juan	
Actual Footage Location of Well: 1320 feet from the South line and 1570 feet from the West line					
Ground level Elev. 5757	Producing Formation Fruitland Coal Basin			Dedicated Acreage: 314.60 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 consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation communitization agreement will be obtained
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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

Not re-surveyed:
Prepared from a plat,
dated: 10-29-64
by: Joe C. Salmon

OPERATOR CERTIFICATION

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

Peggy Bradfield
Signature

Peggy Bradfield

Printed Name

Regulatory Affairs

Position

Meridian Oil Inc.

Company

Date

SURVEYOR CERTIFICATION

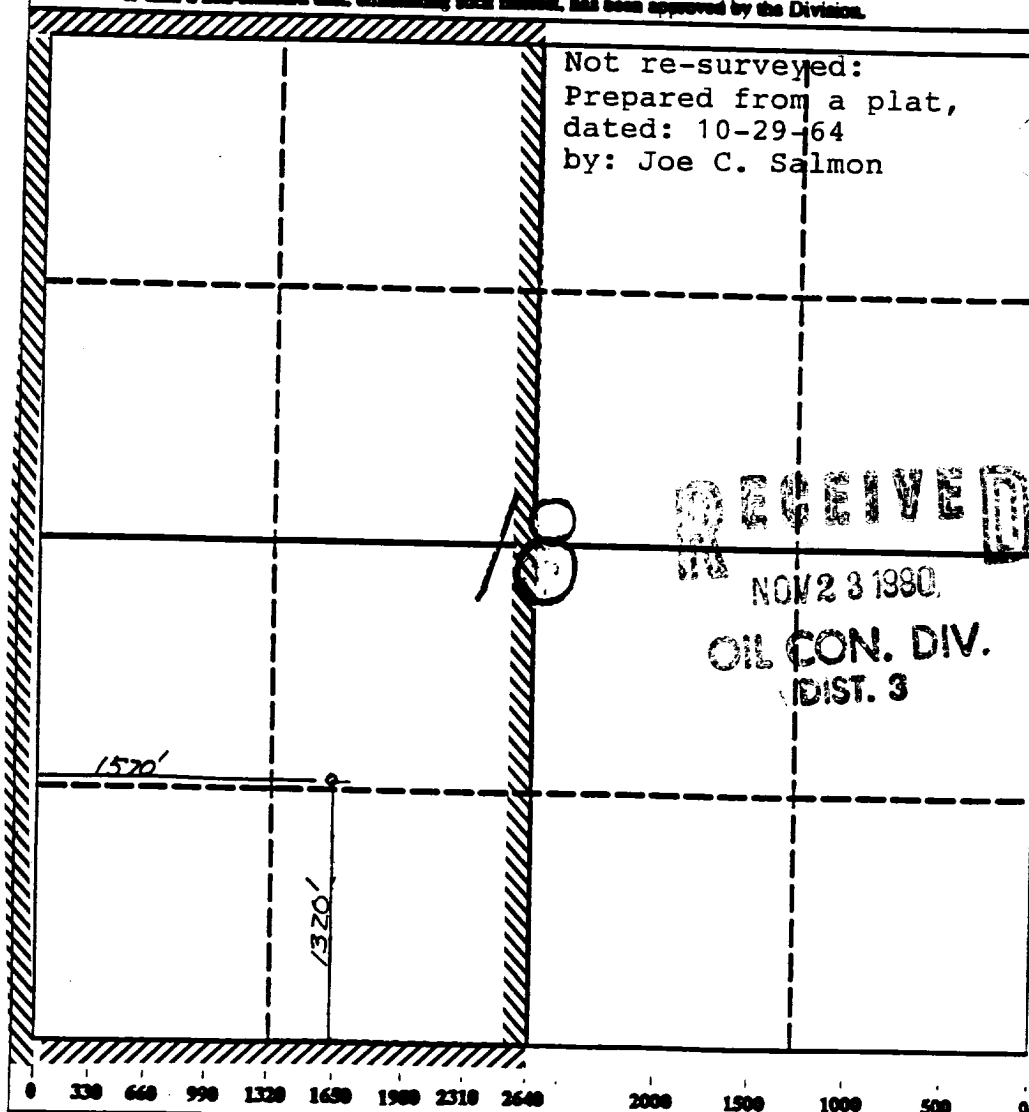
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Neale C. Edwards
Signature

NEW MEXICO
6857
6857
REGISTERED LAND SURVEYOR

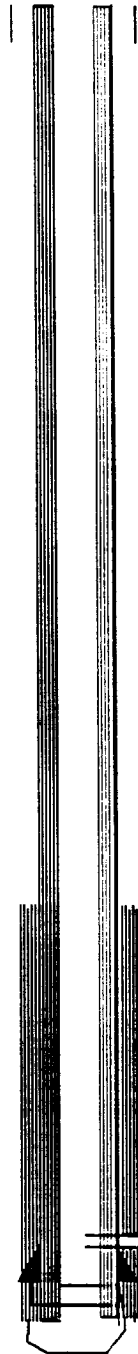
Certification of Survey
Neale C. Edwards



COZZENS #1 WELLBORE DIAGRAMS

BEFORE R/C

AFTER R/C



16" CSG SET @ 60'
(UNCERTAIN ABOUT SURF. CSG
SET WITH CABLE RIG)

OJO ALAMO 575'

KIRTLAND 681'

TOC OUTSIDE 5.5' @ 1386'

FRUITLAND 1553'

PICTURED CLIFFS 1885'
PC PERFS 1894'-1924' W/4SPF
5.5' CSG @ 1874'
3.5' 7.7# @ 1946'
PBTD 1946'
OH CEMENTED OFF
OH TD 1957'

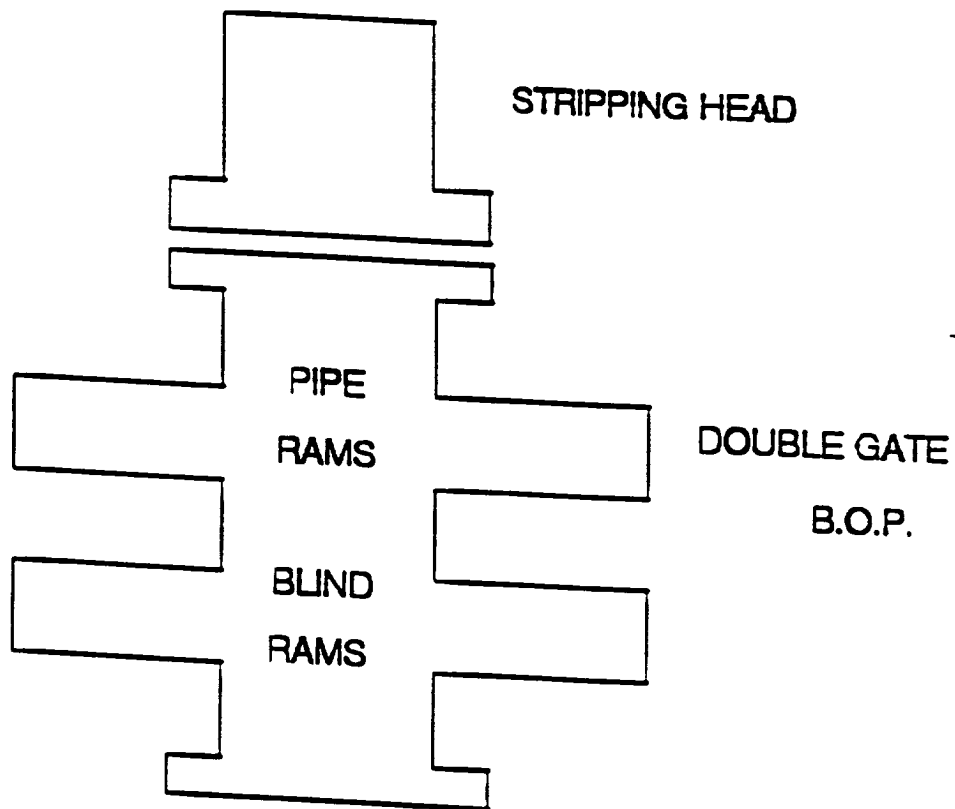


SET 1 1/2" 15' ABOVE CIBP
PERF FC
SET CIBP ABOVE UPPER
PC PERF @ 1894'

Cozzens #1
Procedure to Recomplete Fruitland Coal

1. Check location anchors.
2. MOL and rig up daylight pulling unit with rig pump and blow tank.
3. Kill PC with water as needed. ND wellhead. NU BOP. TOOH with 1" tubing.
4. Run CNL-GR-CCL. Set cast iron bridge plug at 1860'.
5. Pressure test casing to 3000 psi for 15 minutes.
6. Perforate the Fruitland Coal interval.
7. Pick up retrievable bridge plug and packer. TIH with 1 1/2" tubing. Isolate each coal interval and breakdown. Evaluate well for treatment.
8. Fracture stimulate well.
9. Open well through variable choke and flow back slowly.
10. TIH with 1 1/2" tubing with expendable check on bottom. Blow well with air.
11. Obtain and record gauges. When returns dry up, TOOH.
12. TIH with 1 1/2" 2.9# EUE tubing with pump out plug on bottom and common pump seating nipple one joint off bottom. Land tubing at 1880'. Nipple down BOP. Nipple up wellhead.

WORKOVER / RECOMPLETION B.O.P. SCHEMATIC



MINIMUM: 6" 2000 PSI DOUBLE GATE B.O.P.
MAXIMUM ANTICIPATED SHUT-IN WELLHEAD
PRESSURE IS LESS THAN 2000 PSI