

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN,
OR PLUG BACK

API NO. (assigned by OCD on new well)

5. Indicate Type of Lease

STATE

6. State Oil & Gas Lease No.

B-11370

1a. Type of Work
GAS

b. Type of Well
PLUG BACK

2. Name of Operator
MERIDIAN OIL INC.

3. Address of Operator
P.O. BOX 4289
FARMINGTON NM 87499

4. Well Location
SEC. 36, T27N, R09W

850' FSL; 1530' FWL

8. Well No.
#51

9. Pool Name or Wildcat
BASIN FRUITLAND COAL

10. Proposed Depth

11. Formation

12. Rotary or C.T.

13. Elevation
6220' UNGR

14. Bond Type

15. Drill Contractor

16. Est. Start Date

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE HOLE

SIZE CASING

WT. PER FT.

SET. DEPTH

SKS OF CEMENT

EST. TOP

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

SIGNATURE [Signature] (ROS) TITLE Regulatory Officer DATE 5-8-90

(This space for State Use)

APPROVED BY [Signature] TITLE _____ DATE _____

Conditions of approval, if any:

*Plug & squeeze limit to surface of from 150' of
casing pipe pressure test*

Submit to Approver
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 DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brakes 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 Huerfanito Unit B-11370)		Well No. 51
Unit Letter N	Section 36	Township 27 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 850 feet from the South line and 1530 feet from the West line					
Ground level Elev. 6220'		Producing Formation Fruitland Coal		Pool Basin	
Dedicated Acreage: 320					Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hectare 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 unitization
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 resurveyed
Prepared from a plat by
James P. Lease 2/21/56

OPERATOR CERTIFICATION

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

Signature
Peggy Bradford

Printed Name
Peggy Bradford

Position
Regulatory Affairs

Company
Meridian Oil Inc.

Date
5-8-90

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
4-23-90

Signature
Neale C. Edwards

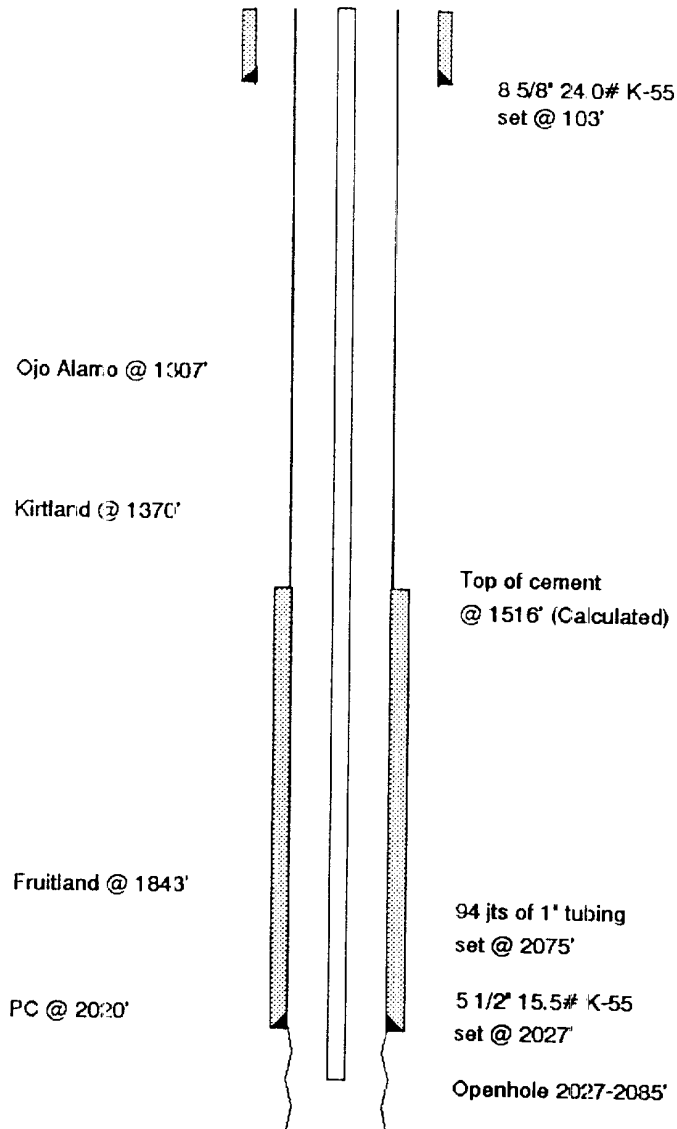
Professional Seal
NEW MEXICO
6857
REGISTERED LAND SURVEYOR

Certificate No.
Neale C. Edwards

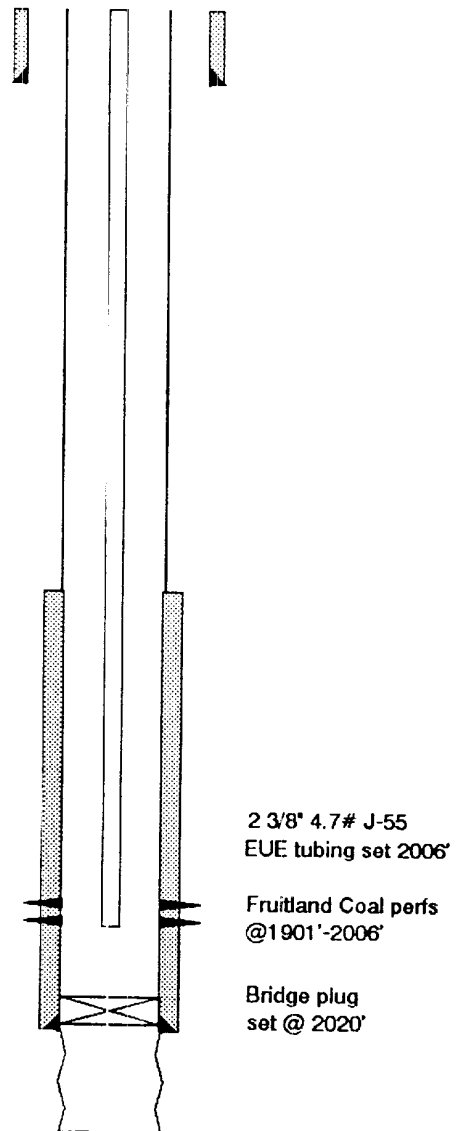
Huerfanito Unit #51
SW/4 Section 36, T-27-N, R-9-W
San Juan County, New Mexico

Wellbore Schematics

CURRENT



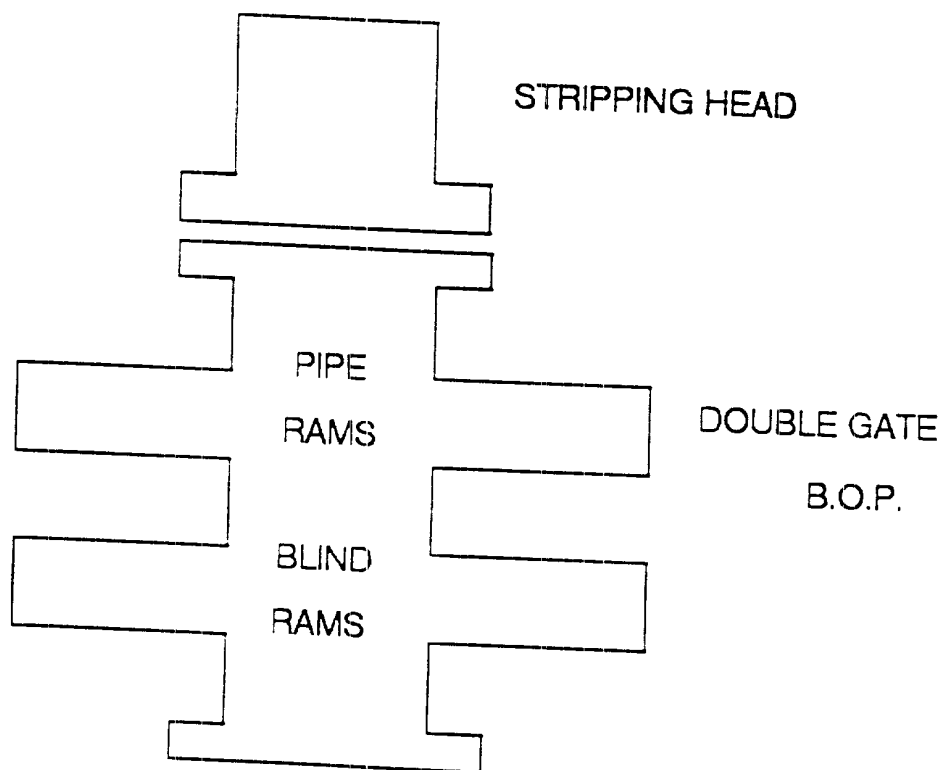
PROPOSED



Recompletion Procedure
Huerfanito Unit #51

1. Prepare location for workover. Install / replace anchors as necessary.
2. MOL with workover rig, hold safety meeting, install safety signs and proper fire equipment at strategic points. Comply with all BLM, NMOCD, and MOI regulations.
3. Rig up blow lines, record tubing and casing pressures and blow well down. Kill well as necessary with water. ND tree and NU 6" 3000 psi BOP and stripping head.
4. TOOH and lay down 94 joints of 1" tubing set @ 2075'.
5. PU 2 3/8" 4.7# J-55 EUE tubing and TIH with 5 1/2" casing scraper. CO to PBTD. TOOH.
6. RU wireline unit and set a 5 1/2" bridge plug @ 2020'. Run a tree-saver to isolate wellhead. Pressure test casing to 3000 psi for 15 minutes. If casing fails, isolate casing leak(s) with a test packer. A squeeze procedure will be provided if the casing is determined to be repairable.
7. Run GR-CCL. Correlate GR-CCL with existing GR-Nuetron log.
3. TIH and spot acid across perforation interval and perforate the coal.
9. Breakdown perforations and flow test the coal. Fracture stimulate if necessary.
10. Land 2 3/8" tubing with a common pump seating nipple one joint off bottom. Land tubing near bottom perforation. Record final 30, 45 and 60 minute gauges on morning report. Rig down and release rig.

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