F. Loc. 990/S; 1650/E Elev. 5052 GL Spd. 10-7-51 Comp. 11-2-51 TD 2108 PB

Casing S. 8-5/8 @ 98 W 60 Sx. Int. @ W Sx. Pr. 5½ @ 2008 W 140 Sx. T. 1 @ 2066

Csg. Perf. Prod. Stim. Shot 220 qts. 2018-2108

TRAN

I.P. 620 ~~BO/D~~ MCF/D After 3 Hrs. SICP 568 PSI After 3 Days GOR Grav. 1st Del. 12-6-51

MC

TOPS		NITD	X	Well Log	X
Kirtland		C-102		Plat	X
Fruitland		C-103		Electric Log	✓ X
Pictured Cliffs	2002	C-104	✓X	C-110	X
Cliff House				C-122	
Menefee		Ditr		Dfa	
Point Lookout		Datr		Dac	
Mancos		Remarks			
Gallup					
Sanostee					
Greenhorn					
Dakota					
Morrison					
Entrada					
PCD	3960	GPNG		160	

TEST DATA						
Schd.	PC	Q	PW	PD	D	Ref. No.
4/17/66	265	39	108	212	19	
4/17/67	287	35	124	230	17	
8/16/68	291	19	188	233	13	
9/16/69	283	12	186	226	8	
7/16/70	262	13	180	210	9	
8/17/71	188	10	152	150	10	
8/17/72	165	9	138	132	10	
5-13-87	192					

Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec.

Pool Ful-KutzPC Co. SJ S 17 T 28N R 10W .. O ... EPNG ...

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
JUN 6 1990
OIL CON. DIV.
DIST. 3

1a. TYPE OF WORK
PLUG BACK
1b. TYPE OF WELL
GAS

5. LEASE NUMBER
USA-SF-047039B
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
KUTZ CANYON OIL & GAS
9. WELL NO.
1

4. LOCATION OF WELL

990 FSL; 1650' FEL

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL
11. SEC. T. R. M OR BLK.
SEC. 17, [redacted] R10W

14. DISTANCE IN MILES FROM NEAREST TOWN

12. COUNTY
SAN JUAN

13. STATE
NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.

16. ACRES IN LEASE

17. ACRES ASSIGNED TO WELL
320.00

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (DF, FT, GR, ETC.)
5952' GR

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: [signature] (SHL)
REGULATORY AFFAIRS

5-24-90
DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

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

APPROVED
MAY 29 1990
Ken Townsend
FOR AREA MANAGER

Hold C-104 for NSL
Exception Order # 505

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.	(SF-047039B) Kutz Canyon Oil & Gas	1

Unit Letter	Section	Township	Range	County
O	17	28 North	10 West NMPM	San Juan

Actual Footage Location of Well: 990 feet from the South line and 1650 feet from the East line

Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
5952'	Fruitland Coal	Basin	320 Acres

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

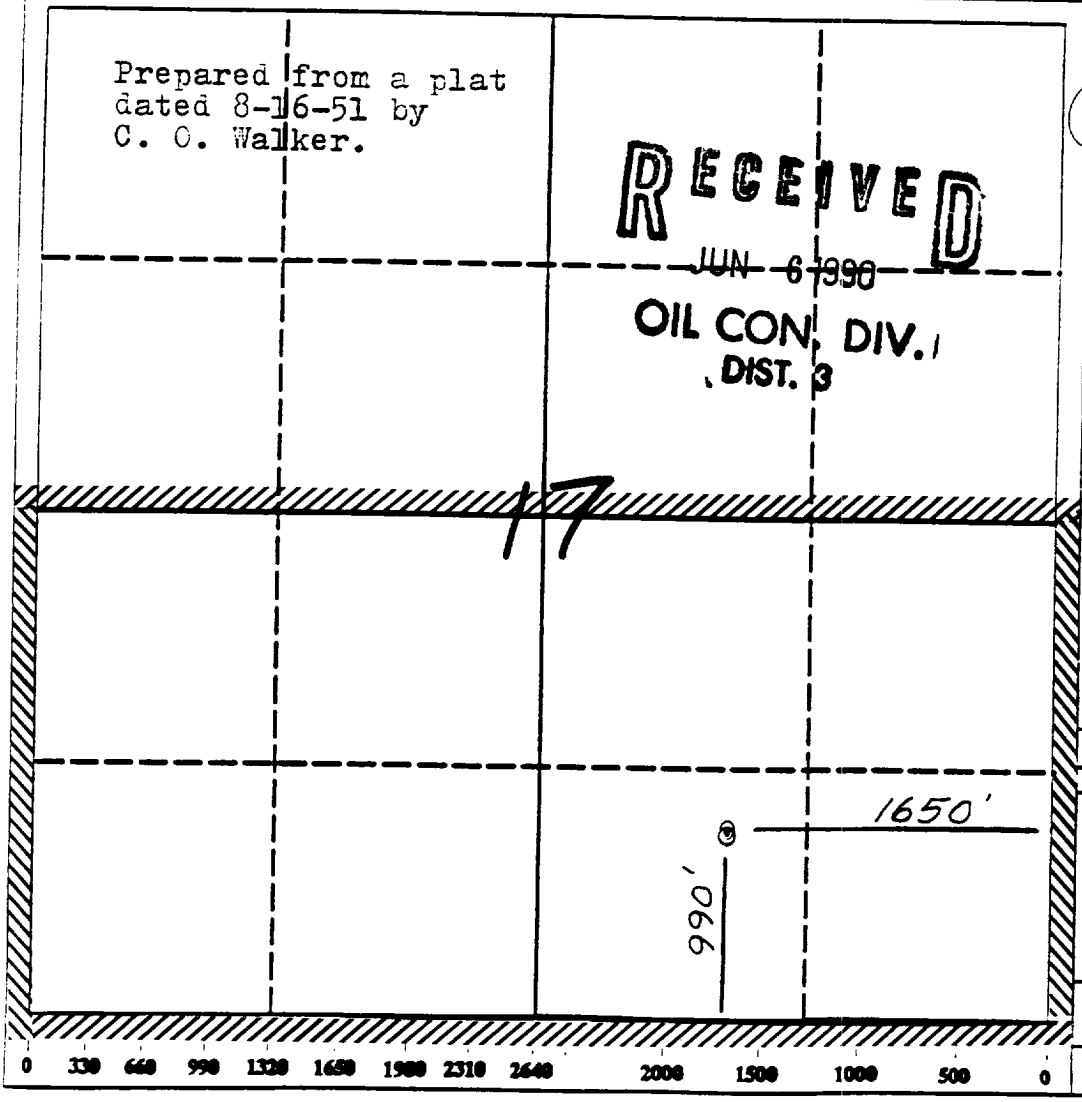
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.



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 Affairs

Position: Meridian Oil Inc.

Company

Date: 5-24-90

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 supervison, and that the same is true and correct to the best of my knowledge and belief. 5-23-90

Date Surveyed

Signature & Seal of Professional Surveyor

NEW MEXICO 6857 REGISTERED LAND SURVEYOR

6857

Certificate No. Neale C. Edwards

RECOMPLETION PROCEDURE
KUTZ CANYON OIL AND GAS #1

1. MOL and RU. ND wellhead. NU BOP. Load hole with water.

2. TOOH with tubing.

3. Run GR-CCL-CNL. Pick perforations from log.

4. Set a 5 1/2" CIBP as close to the bottom Fruitland coal perforation as possible. Pressure test casing to 1000 psi for 15 minutes.

5. Perforate coal. Projected zones to be selected from CNL log run.

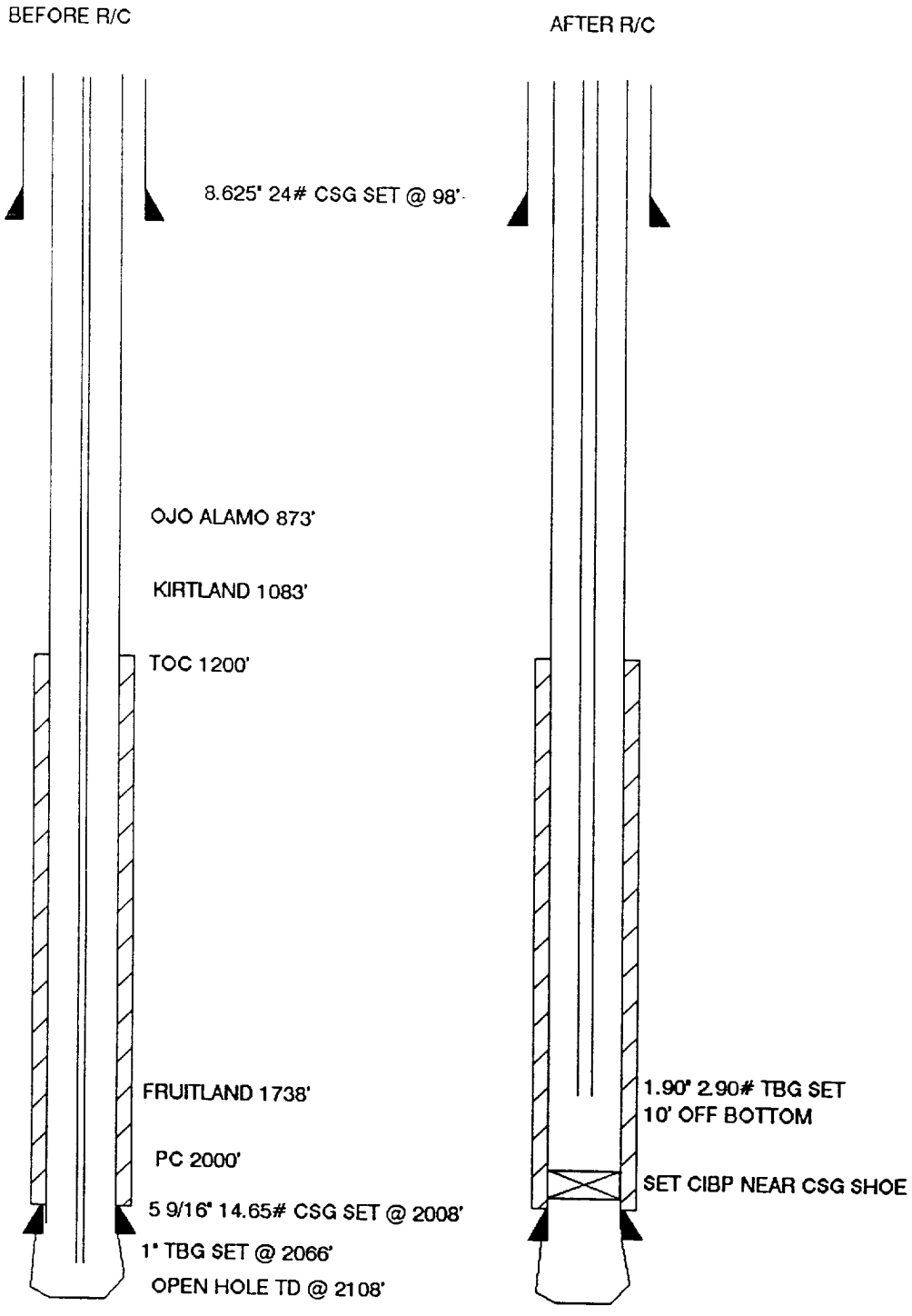
6. TIH with 2 3/8" tubing and swab wellbore dry. Check well for gas flow. Evaluate well overnight.

7. TIH with 1 1/2" tubing and clean out to CIBP.

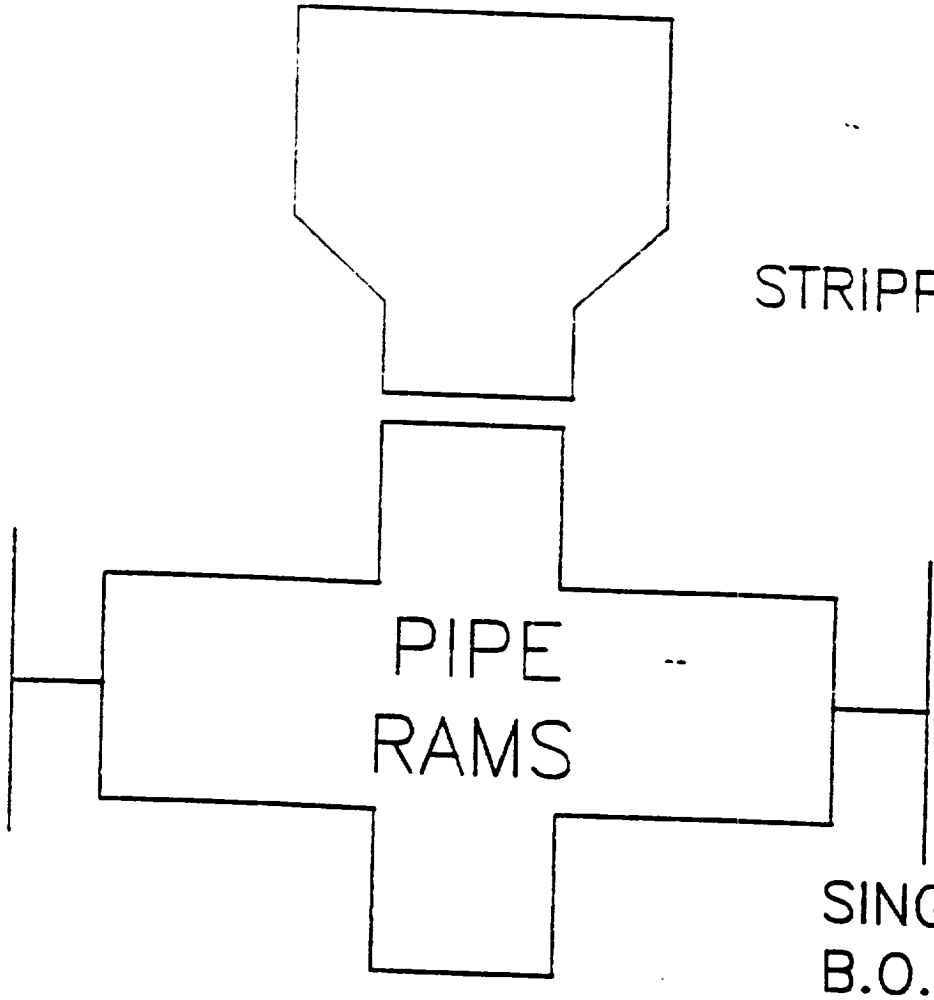
8. Land 1 1/2" 2.9# EUE tubing with an expendable check on bottom, and a common pump seating nipple one joint off bottom. Land tubing above bottom perforation. Swab well in. Record final 30, 45, and 60 minute gauges on morning report. ND BOP. NU tree. RD and release rig.

9. Evaluate well's performance for possible fracture stimulation. A fracture stimulation procedure will be provided if necessary.

KUTZ CANYON OIL AND GAS #1
WELLBORE DIAGRAMS



WORKOVER / RECOMPLETION
B. O. P. SCHEMATIC



MINIMUM: 2 7/8" 1500 PSI SINGLE GATE B.O.P.

MAXIMUM ANTICIPATED SHUT-IN WELLHEAD
PRESSURE IS LESS THAN 1500 PSI