

F. Loc. 1720/N; 1370/E Elev. 6291 GL Spd. 6-1-56 Comp. 9-19-56 TD 2391 PB

Casing S. 8-5/8 @ 97 W 70 Sx. Int. @ W Sx. Pr. 5 1/2 @ 2390 W 100 Sx. I. 1 @ 2224

Csg.Perf.

2275-2316

Prod. Stim.

SWF Perfs.

T
R
A
N

I.P. 194 ~~XXX~~ MCF/D After 3 Hrs. SICP 595 PSI After 3 Days GOR Grav. 1st Del. 2-26-57 s

TOPS		NITD	X	Well Log	X	TEST DATA						Ref.No.
Kirtland		C-103	XX	Plat	X	Schd.	PC	Q	PW	PD	D	
Fruitland		C-104	XX	Electric Log	X	6/11/70	347	6	185	278	3	
Pictured Cliffs	2188			C-122	X	8/17/71	357	6	174	286	3	
Cliff House		Ditr		Dfa		6/8/72	265	6	136	212	3	
Menefee		Datr		Dac		2/4/84	220	5	110	176	3	
Point Lookout												
Mancos												
Gallup												
Sanostee												
Greenhorn												
Dakota												
Morrison												
Entrada												
		EPNG /J.G.Turner										
		160										

P

o

o

Meridian Oil Inc.

Huerfano Unit

53

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK PLUG BACK	5. LEASE NUMBER USA-SF-078356
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR El Paso Natural Gas Co	7. UNIT AGREEMENT NAME HUERFANITO UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P.O. BOX 4289 FARMINGTON, NM 87499 (505) 326-9700	8. FARM OR LEASE NAME
4. LOCATION OF WELL 1720' FNL; 1370' FEL	9. WELL NO. 53
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. SEC. 22, T27N, R09W
	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 E 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.) 6299' DF	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: [Signature] (JBR)
REGULATORY AFFAIRS

RECEIVED

JUL 31 1990

7-17-90
DATE

PERMIT NO. _____ APPROVAL DATE _____ OIL CON. DIV
DIST. 3
APPROVED BY _____ TITLE _____ DATE _____

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

NMOCD

APPROVED
JUL 23 1990
Ken Townsend
FOR AREA MANAGER

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 DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator El Paso Natural Gas Co			Lease (SF-078356) Huerfanito Unit		Well No. 53-22
Unit Letter G	Section 22	Township 27 North	Range 9 West	County NMNM San Juan	
Actual Footage Location of Well: 1720 feet from the North line and 1370 feet from the East line					
Ground level Elev. 6291'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320.00 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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, forced-pooling, or otherwise) or until a non-standard tract, eliminating such interest, has been approved by the Division.

Prepared from plat
By: James P. Leese
Dated: Feb. 23. 1956

RECEIVED
JUL 31 1990
OIL CON. DIV.
DIST. 3

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

El Paso Natural Gas

Company

Date

7-17-90

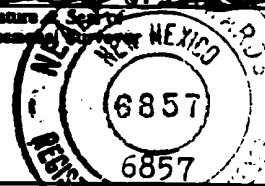
SURVEYOR CERTIFICATION

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.

7-16-90

Date Surveyed

Neale C. Edwards
Signature of Seal of Professional Surveyor



Certificate No. 6857
Neale C. Edwards

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

**Huerfanito Unit #53
Recompletion Procedure**

1. Prepare location and install or repair location anchors as necessary.
2. MIRU. Hold safety meeting and place fire and safety equipment in strategic locations. Install blow lines.
3. ND WH. NU BOP. ^{TOOH w/ 1" tubing.} APU 2-3/8" 4.7# tubing, 5-1/2" 15.5# casing scraper and 4-3/4" bit. TIH and clean out to top of Pictured Cliffs perforations at 2275'. TOOH.
4. RU wireline. Set CIBP on wireline at 2260'. Pressure test casing, BP and WH to 500 psi for 15 minutes. If casing fails, locate failure with packer and a repair or P&A will be evaluated. If test holds, run CNL-CCL-GR from PBTD to 2000'. Pick perforations from log. Run CBL-GR-CCL from PBTD to TOC.
5. TIH with 2-3/8" tubing open ended. Circulate 2 gallons corrosion inhibitor, 140 gallons 15% HCl and 1 sack of sand down tubing. Reverse circulate 2 tubing volumes when frac sand reaches the bottom of the tubing. Observe returns and describe returns on morning report. Load hole with 2% KCl water.
6. Perforate Fruitland coal. Perforate with fluid level balanced at reservoir pressure. RD wireline.
7. TIH with straddle packer and breakdown perforations with 7-1/2% HCl. TOOH.
8. TIH hole with tubing and SN one joint off bottom of tubing and flow well back as soon as possible after breakdown. Obtain 2 hour gauge after flow has stabilized. Land tubing at 2170'. ND BOP, NU WH. RDMO.
9. Evaluate well for possible fracture stimulation.

Huerfanito Unit #53

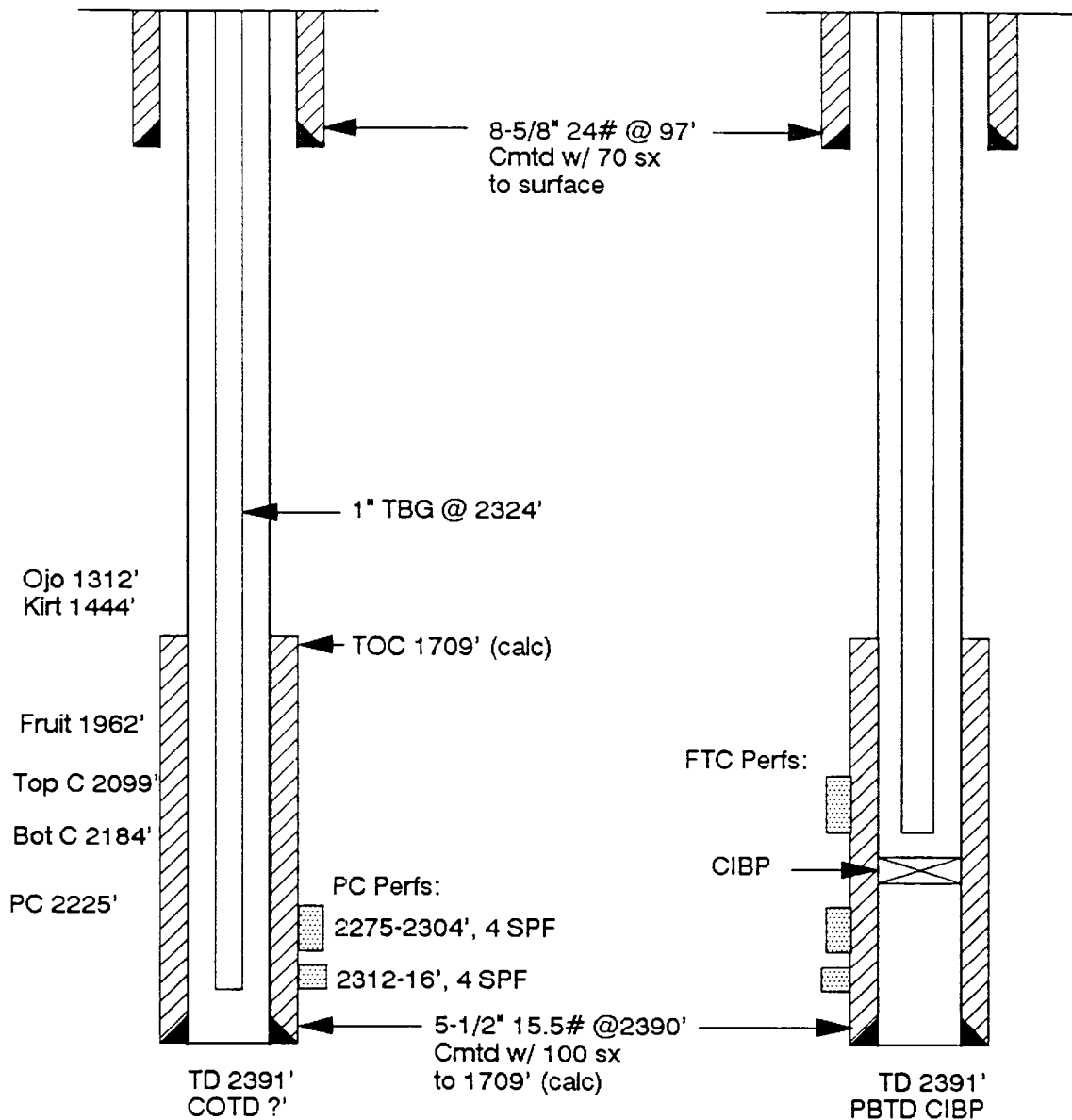
Wellbore Diagram

G22 27N 9W

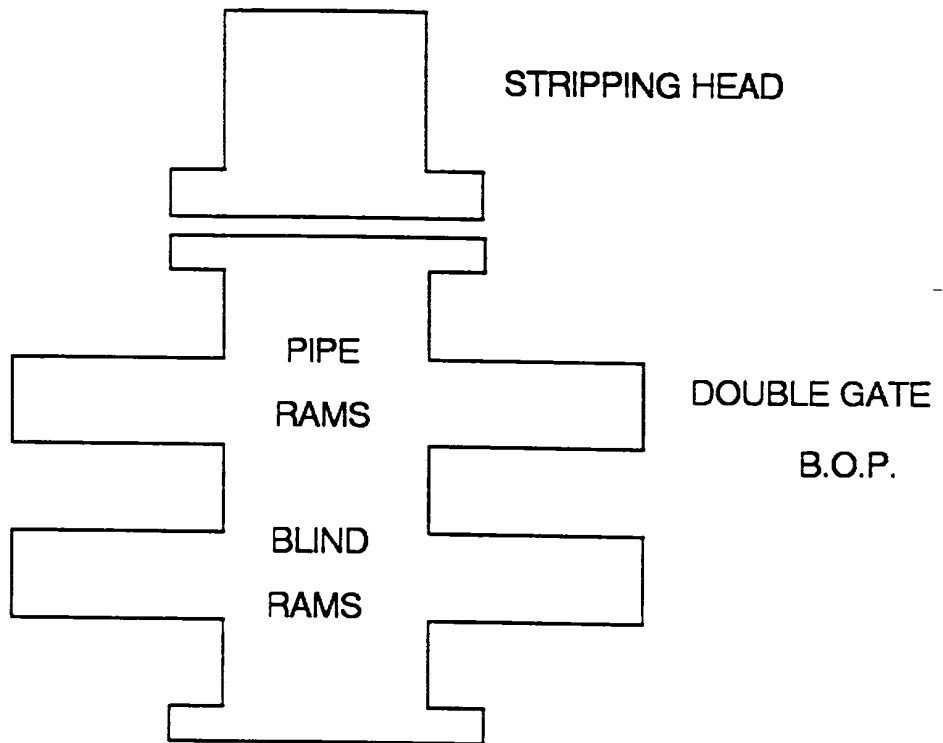
Elev 6299'KB

Present

Proposed



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