

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-078356
2. Name of Operator <i>Mexican</i> El Paso Natural Gas Company	6. If Indian, All.or Tribe Name
3. Address & Phone No. of Operator Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name Huerfanito Unit
4. Location of Well, Footage, Sec, T, R, M. 1650'S, 990'W Sec. 22, T-27-N, R-9-W, NMPM	8. Well Name & Number Huerfanito Unit #43
	9. API Well No.
	10. Field and Pool Basin Fruitland Coal
	11. County and State San Juan County, NM
12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA	
Type of Submission	Type of Action
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input checked="" type="checkbox"/> Plugging Back
	<input checked="" type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut Off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

08-18-90 MOL&RU. NDWH. NU BOP. Pull 100 jts 1" tbg. SD for weekend.  
08-20-90 Ran CNL-GR-CCL 1800-2375'. Set CIBP @ 2290'. Load hole w/2%  
KCl wtr. PT csg 1500#, ok. Ran CBL-GR-CCL 1610-2290'. TC @  
1610'. TIH to 2250' w/tbg. Spot 200 gal. 15% HCl. Swabbed. SI.  
SDFN.  
08-21-90 Perf 2125-30', 2152-78', 2191-93', 2204-08', 2232-48' w/2 spf.  
TIH w/SPIT tool set @ btm. BD perfs. TOOH w/tool. Ran 71 jts  
2 3/8", 4.7#, J-55 EUE tbg landed @ 2247'. SN @ 2213'.  
Swabbed. SDFN.  
08-22-90 Swabbed. SI. SDFN. (cont'd on back)

RECEIVED  
SEP 24 1990  
OIL CON. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct  
Signed *[Signature]* Title Regulatory Affairs Date 8-31-90  
ACCEPTED FOR RECORD

(This space for Federal or State office use)

SEP 13 1990

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITION OF APPROVAL, IF ANY: \_\_\_\_\_  
BY *NM000* FARMINGTON RESOURCE AREA

Huerfanito Unit #43, cont'd.

08-23-90 Set BP @ 2055'. Load hole w/2% KCl wtr. PT csg 1500#. Run FBP to 63'. PT csg 3000#, would not hold. Pump into leak @ 2500#, bled down to 1000# in 1 min. TOOH w/pkr. TIH, found holes 228-259, and 167-213'. PT csg 3000# below 259' for 15 min, ok. PT csg 1000# above 167' for 15 min, ok. TOOH w/pkr. SDFN.

08-24-90 Squeeze w/150 sx Class "B" cmt, circ out bradenhead. WOC.

08-25-90 TIH w/scraper. Drl cmt to 365'. Circ hole clean. TIH w/tbg to 2000'. Tag fill over BP @ 2055'. SD for weekend.

08-27-90 PT csg 500#. Circ sand off BP @ 2055'. TIH w/FBP to 370'. Frac w/70 qual.foam w/2100# 40/70 sand and 65,940# 20/40 sand. Frac w/36 bbl. 2% KCl wtr and 627,000 SCF N2. SI 4 hrs. Flow to pit.

08-28-90 CO fill and flow to pit. SDFN.

08-29-90 TIH w/tbg, tag sand @ 2282'. CO to 2290'. TIH w/FBP, found hole @ 244'. TOOH w/pkr. Run tbg to 260'. Spot 10 sx cmt. plug. Squeeze cmt in leak. Left TC approx. 165'. SDFN.

08-30-90 TIH s/scraper, tag cmt @ 173'. Drl cmt out @ 267'. Circ hole clean. TOOH. TIH to BP @ 508', circ sand off BP. PT csg & squeeze 750#, ok. TOOH. Ran 73 jts 2 3/8", 4.7#, J-55 EUE tbg set @ 2249'. SN @ 2215'. ND BOP. NU WH. Released rig.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>PLUG BACK</b>	5. LEASE NUMBER USA-SF-078356
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR El Paso Natural Gas Company	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 1650' FSL; 990' FWL	9. WELL NO. 43-22
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 W/ 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.) 6390' DF	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <i>Regulatory Affairs</i> (JBK) REGULATORY AFFAIRS	<b>RECEIVED</b> JUL 31 1990 DATE 7-14-90
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)

APPROVED

NMOCE

JUL 23 1990  
FOR AREA MANAGER

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-59

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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			Lease (SF-078356) Huerfanito Unit		Well No. 43-227
Unit Letter L	Section 22	Township 27 North	Range 9 West	County NMPM San Juan	
Actual Footage Location of Well: 1650 feet from the South line and 990 feet from the West line					
Ground level Elev. 6382'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

Prepared from plat  
By; James P Leese  
Dated: Sept. 17, 1955

RECEIVED  
JUL 21 1960  
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.

Signature  
Peggy Bradfield  
Printed Name  
Regulatory Affairs  
Position  
El Paso Natural Gas  
Company

Date  
7-19-60

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.  
7-18-60

Date Surveyed

Signature of Surveyor  
Professional Surveyor

Certificate No.

Neale C. Edwards

**Huerfanito Unit #43  
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. PU 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 2306'. TOOH.
4. RU wireline. Set CIBP on wireline at 2290'. 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 TD to 2100'. Pick perforations from log. Run CBL-GR-CCL from TD 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. TOQH.
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 2240'. ND BOP, NU WH. RDMO.
9. Evaluate well for possible fracture stimulation.

# Huerfanito Unit #43

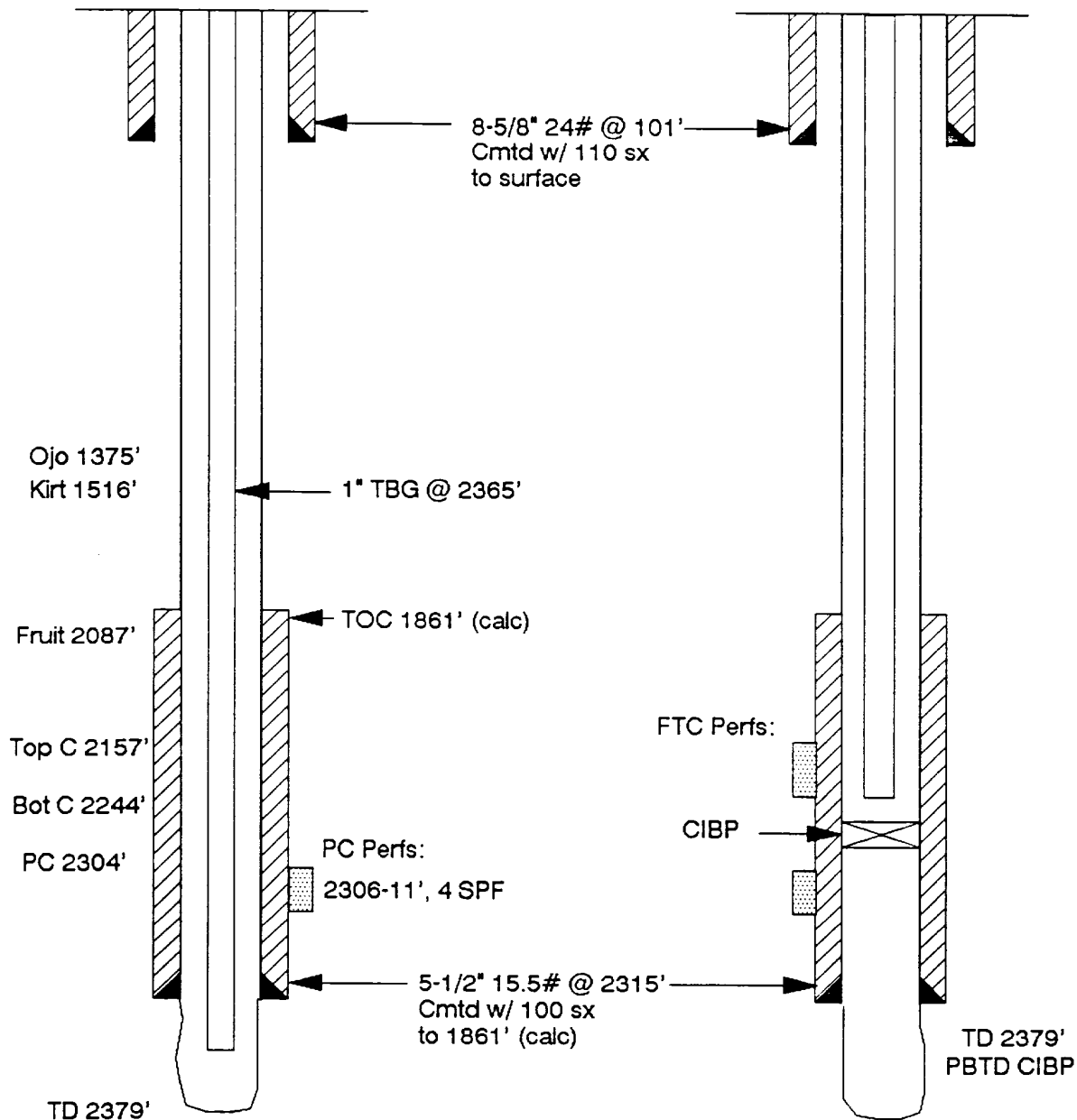
## Wellbore Diagram

L22 27N 9W

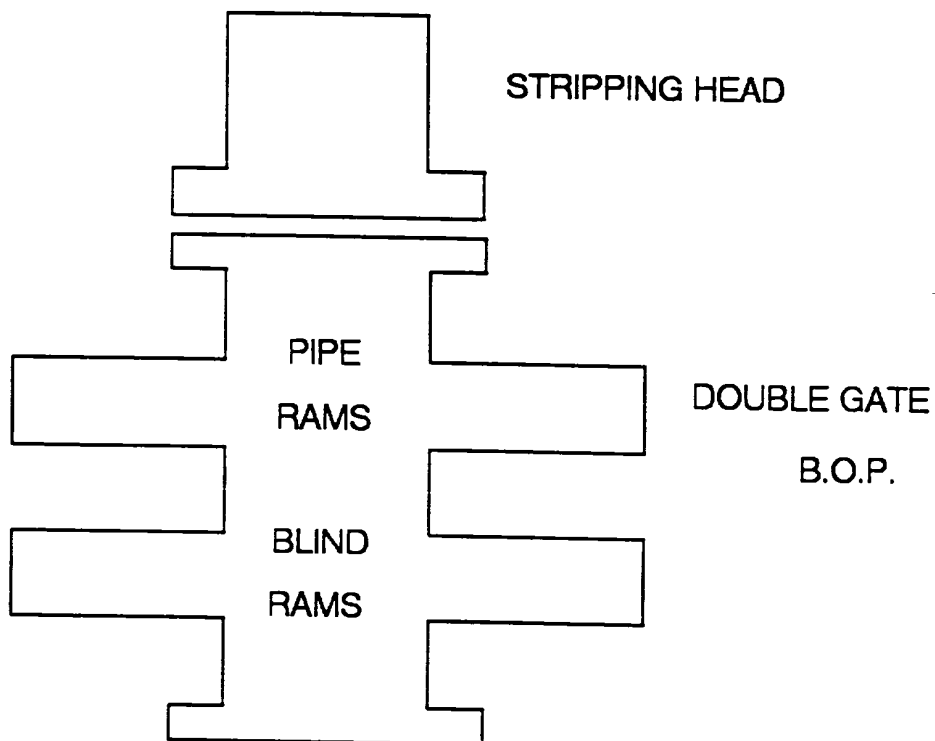
Elev 6382'KB

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