

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☐ well ☒ other

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

PO Box 289, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 250'N, 1570'W

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Change Plans

SUBSEQUENT REPORT OF

☐
☐
☐
☐
☐
☐
☐
☐
☐
☐

RECEIVED
APR 10 1981
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

RECEIVED
JUL 15 1981
OIL CON. COM.
DIST. 3

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We had originally proposed to drill a single Mesa Verde well, the San Juan 27-5 Unit #193 on this location. It is now planned to drill a Mesa Verde - Dakota dual, which will be named the San Juan 27-5 Unit #99E.

The N/2 of Section 11 will be dedicated to the Dakota formation.
The W/2 of Section 11 will be dedicated to the Mesa Verde formation.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED N. P. Busico TITLE Drilling Clerk DATE March 31, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

at 3

NMOCC

*See Instructions on Reverse Side

APPROVED
JUL 14 1981
Dean Elliott
DISTRICT ENGINEER

All distances must be from the outer boundaries of the Section.

| | | | | | |
|---|---|------------------------|--|-----------------------------|--|
| Operator EL PASO NATURAL GAS COMPANY | | | Lease SAN JUAN 27-5 UNIT (SF-079491-A) | | Well No. 99E |
| Unit Letter C | Section 11 | Township 27N | Range 5W | County Rio Arriba | |
| Actual Footage Location of Well: 250 feet from the North line and 1570 feet from the West line | | | | | |
| Ground Level Elev. 6706 | Producing Formation Mesa Verde - Dakota | | Pool Basin Dakota | | Dedicated Acreage: 320.0 & 320.0 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 interests 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 interests, has been approved by the Commis-

| | | |
|--------------------------------|--|--|
| | | <p>SF-079491</p> |
| <p>Sec.</p> <p>SF-079491-A</p> | | <p>11</p> <p>NOTE: THIS PLAT IS REISSUED TO SHOW A CHANGE IN WELL NUMBER, AND SHOW THE DAKOTA DEDICATION. WELL WILL BE DUALY COMPLETED 3-30-81</p> |

Scale: 1"=1000'

CERTIFICATION

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

A. G. Susco

Name
Drilling Clerk

Position
El Paso Natural Gas Co.

Company
March 31, 1981

Date

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

September 26, 1980

Registered Professional Engineer
and Land Surveyor

Fred B. Kerr, Jr.
Fred B. Kerr, Jr.

Certificate No.

3950

Operations Plan
San Juan 27-5 Unit #99E

I. Location: 250'N, 1570'W, Section 11, T-27-N, R-5-W, Rio Arriba Co., NM

Field: Blanco MV & Basin Dk

Elevation: 6706'GR

II. Geology:

| | | | | |
|--------------------|------------|----------|---------------|-------|
| A. Formation Tops: | Surface | San Jose | Menefee | 5355' |
| | Ojo Alamo | 2875' | Point Lookout | 5716' |
| | Kirtland | 3070' | Gallup | 6720' |
| | Fruitland | 3335' | Greenhorn | 7655' |
| | Pic.Cliffs | 3540' | Graneros | 7716' |
| | Lewis | 3615' | Dakota | 7860' |
| | Mesa Verde | 5195' | Total Depth | 8005' |

B. Logging Program: GR-Ind. and GR-Density at TD.

C. Coring Program: none

D. Natural Gauges: 5185', 5345', 5705', 6315', 6710', 7645', 7705', 7850' and at Total Depth. Also gauge any noticeable increase in gas. Record all gauges in daily drilling report and on morning report.

III. Drilling:

A. Mud Program: mud from surface to 3815'. Gas from intermediate casing to Total Depth.

IV. Materials:

| A. Casing Program: | <u>Hole Size</u> | <u>Depth</u> | <u>Csg.Size</u> | <u>Wt.&Grade</u> |
|--------------------|------------------|--------------|-----------------|----------------------|
| | 17 1/2" | 200' | 13 3/8" | 48.0# H-40 |
| | 12 1/4" | 3815' | 9 5/8" | 40.0# N-80 |
| | 8 3/4" | 3665-6315' | 7" | 23.0# N-80 |
| | 6 1/4" | 6215-8005' | 4 1/2" | 11.6# K-55 |

B. Float Equipment: 13 3/8" surface casing - guide shoe.

9 5/8" intermediate casing - guide shoe and differential automatic fill up float collar. Five stabilizers, one each on every other joint above shoe. Run float collar two joints above shoe.

7" liner - 7" liner hanger with neoprene packoff. Geyser shoe and flapper type float collar. Five centralizers, one each on every other joint above shoe.

4 1/2" liner - 4 1/2" liner hanger with neoprene packoff. Geyser shoe and flapper type float collar.

C. Tubing: 8005' of 2 3/8", 4.7#, J-55 EUE 8rd tubing open ended on bottom with common pump seating nipple and pump out plug one joint above bottom.

6215' of 1 1/2", 2.9#, J-55 EUE 10rd tubing with a perf sub and common pump seating nipple one joint above bottom. Bottom joint to be bull plugged.

D. Wellhead Equipment: 13 3/8" 3000 x 10" 3000 dual tree, 13 3/8" 3000 x 13 3/8" casing head, 12" x 9 5/8" casing hanger.

V. Cementing:

13 3/8" surface casing - use 236 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (276 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600#/30 minutes.

9 5/8" intermediate casing - use 290 sks. 65/35 Class "B" Poz with 6% gel, 2% calcium chloride and 8.3 gallons water per sack followed by 100 sks. Class "B" neat with 2% calcium chloride (588 cu.ft. of slurry, 100% excess to cover Ojo Alamo). Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1200#/30 minutes.

7" liner - precede cement with 30 bbls. gel water (3 sks. gel). Cement with 490 sks. 50/50 Class "B" Poz with 2% gel, 6.25# gilsonite, 1/4# flocele and 0.6% Halad-9 (or equivalent fluid loss additive) (682 cu.ft. of slurry, 70% excess to circulate liner). WOC 12 hours. Test casing to 1200#/30 minutes.

4 1/2" liner - precede cement with 40 bbls. gel water (4 sks. gel). Cement with 90 sks. Class "B" cement with 8% gel, 1/4 cu.ft. fine gilsonite per sack and 0.4% HR-7 followed by 100 sks. Class "B" cement with 1/4# fine tuf-plug per sack and 0.4% HR-7 (314 cu.ft. of slurry, 70% excess to fill to circulate liner). WOC 18 hours.
