

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-E1424.
5. LEASE DESIGNATION AND SERIAL NO.
NM 03560
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 "APPLICATION FOR PERMIT--" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME San Juan 28-7 Unit
2. NAME OF OPERATOR El Paso Natural Gas Company	8. FARM OR LEASE NAME San Juan 28-7 Unit
3. ADDRESS OF OPERATOR Box 990, Farmington, New Mexico 87401	9. WELL NO. 100
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 800'N, 940'E	10. FIELD AND POOL, OR WELL CAT Basin Dakota
11. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30, T-27-N, R-7-W
12. ELEVATIONS (Show whether OF, RT, GR, etc.) 6050' GL	12. COUNTY OR PAR SH N. M. P. M.
	13. STATE Rio Arriba New Mexico

13. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

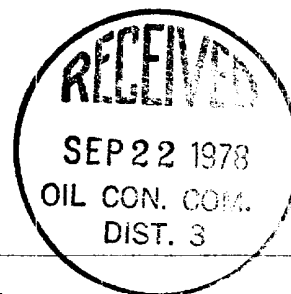
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.) *

This well will be mud drilled from surface to Total Depth.

Hole Size	Casing Size	Wt. /Ft.	Setting Depth	Cement Quantity
13 3/4"	7 5/8"	32.3#	200'	224 Cu. ft. to circulate
8 3/4 & 7 7/8"	4 1/2"	10.5 & 11.6#	6928'	1424 Cu. ft. - 3 Stages

1st Stage - 330 Cu. ft. to cover Gallup
2nd Stage - 583 Cu. ft. to cover Mesa Verde.
3rd Stage - 511 Cu. ft. to cover Ojo Alamo.

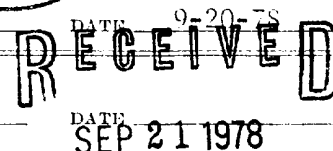


18. I hereby certify that the foregoing is true and correct

SIGNED A. B. Brisco TITLE Drilling Clerk

(This space for Federal or State office use)

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



U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

*See Instructions on Reverse Side

Oral

September 20, 1978

Operations Plan
San Juan 28-7 Unit #100

I. Location: 800'N, 940' E, Section 30, T-27-N, R-7-W, Rio Arriba County, N. M.

Field: Basin Dakota

Elevation: 6050' GL

II. Geology:

A. Formation Tops:	Surface	San Jose	Menefee	4091'
	Ojo Alamo	1480'	Point Lookout	4675'
	Kirtland	1646'	Gallup	5769'
	Fruitland	2057'	Greenhorn	6563'
	Pictured Cliffs	2335'	Graneros	6620'
	Lewis	2423'	Dakota	6737'
	Mesa Verde	4010'	Total Depth	6928'

B. Logging Program: Induction Electric and Gamma Ray Density at T. D.

C. Coring: None

D. Samples: None

III. Drilling:

A. Mud Program: Mud from Surface to Total Depth.

IV. Materials

A. Casing Program:	<u>Hole Size</u>	<u>Depth</u>	<u>Casing Size</u>	<u>Wt. & Grade</u>
	13 3/4"	200'	9 5/8"	32.3# H-40
	8 3/4"	5375'	4 1/2"	10.5# J-55
	7 7/8"	6500'	4 1/2"	10.5# J-55
	7 7/8"	6928'	4 1/2"	11.6# J-55

B. Float Equipment: 9 5/8" Surface casing - Pathfinder guide shoe (Part #2006-1-010)

4 1/2" Production Casing - Howco guide shoe (Prod. No. 102-1) and self-fill insert valve (Prod. No. 177-13). Two Howco multiple stage cementers (Prod. #200-03) equipped for three stage cementing. Set tool for second stage at 5275' and tool for third stage at 2520'. Run 20 Howco centralizers (Prod. No. 200-03) spaced as follows: One on each of the bottom 8 joints, one below each stage tool and five above each stage tool spaced every other joint.

C. Tubing: 6928' of 2 3/8", 4.7#, J-55 tubing with a common pump seating nipple and an expendable check valve with drill type guide.

D. Wellhead Equipment: 10" 3000 x 9 5/8" WKM Brewster Type R casing head with 10" x 4 1/2" Type SA casing hanger, 10" 3000 x 6" 3000 Brewster Xmas tree (Drawing #1-004-78). Wellhead representative to set all slips.

V. Cementing:

Surface Casing (13 3/4" x 9 5/8") - Use 190 sacks of Class "B" cement w/1/4# gel-flake per sack and 3% calcium chloride (224 cu. ft. of slurry, 100% excess to circulate) W.O.C. 12 hours. Test to 600#/30 Min.

Production Casing -

First stage (4 1/2" x 7 7/8") - Use 126 sks. of 65/35 Class "B" Pozmix w/6% gel and 2% calcium chloride mixed with 8.3 gallons water/sk. followed by 100 sacks 50/50 Class "B" Pozmix with 2% gel, 2% calcium chloride and 1/4# fine tuf-plug per cu. ft. (330 cu. ft. of slurry, 25% excess to cover the Gallup).

Second Stage (4 1/2" x 8 3/4") = Circulate mud for 2 hours then cement with 360 sacks of 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride and 8.3 gallons of water per sack (583 cu. ft. of slurry, 50% excess to cover the Mesa Verde).

Third Stage (4 1/2" x 8 3/4") - Circulate mud for 2 hours, then cement using 315 sacks 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride mixed with 8.3 gallons water per sack (511 cu. ft. of slurry, 60% excess to cover the Ojo Alamo). Run temperature survey on top stage only at 8 hours. W.O.C. 18 hours.