

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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. OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

Post Office Box 4289, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface 530'S, 90'W

RECEIVED

14. PERMIT NO.

NOV 12 1985

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

6590'GL

5. LEASE DESIGNATION AND SERIAL NO.

SF 079403

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Juan 27-5 Unit

8. FARM OR LEASE NAME

San Juan 27-5 Unit

9. WELL NO.

108E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 15, T-27-N, R-5-W
N.M.P.M.

12. COUNTY OR PARISH 13. STATE

Rio Arriba NM

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

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

SUBSEQUENT REPORT OF:

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Spud Well

(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.)*

11-7-85 Spudded well at 2:30 p.m. 11-7-85. Drilled to 236'. Ran 5 jts. 9 5/8", 32.3#, H-40 surface casing set at 225'. Cemented with 115 sks. Class "B", with 1/4# gel flake/sk, 3% calcium chloride, (136 cu.ft.). Circulated to surface. WOC 12 hours. Tested 600#/30 minutes, held ok.

RECEIVED
NOV 18 1985
OIL CON. DIV.
DIST. 3

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

SIGNED

(This space for Federal or State office use)

TITLE Drilling Clerk

DATE

11-8-85

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

1985

*See Instructions on Reverse Side
NMOCC

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
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Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME San Juan 27-5 Unit
2. NAME OF OPERATOR El Paso Natural Gas Company	8. FARM OR LEASE NAME San Juan 27-5 Unit
3. ADDRESS OF OPERATOR Post Office Box 4289, Farmington, NM 87499	9. WELL NO. 108E
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 530'S, 90'W	10. FIELD AND POOL, OR WILDCAT Basin Dakota
	11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T-27-N, R-5-W N.M.P.M.
14. PERMIT NO. NOV 18 1985	12. COUNTY OR PARISH Rio Arriba
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6590' GL	13. STATE NM

RECEIVED

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

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

NATURE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

Running Casing

(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.)*

11-11-85 TD 3710'. Ran 90 jts. 7", 20.0#, K-55 casing 3694' set @ 3706'. Cemented with 90 sks. Class "B", 65/35 POZ mix, 6% gel, 2% calcium chloride, 1/2 cu ft Perlite/sk (176 cu.ft.) followed by 100 sks class B, 2% calcium chloride (118 cu ft). WOC 12 hours. Held 1200#/30 minutes. Top of cement @ 2500'.

11-17-85 TD 7822'. Ran 187 jts. 4 1/2", 10.5 & 11.6#'s, K-55 casing 7812' set @ 7822'. Float collar set at 7814'. Cmt'd w/237 sks class B, 8% gel, 1/4# cu ft fine Gilsonite/sk, 0.4% HR-7 (515 cu ft), followed by 100 class B, 1/4# fine tuf-plug/sk, 0.4% HR-7 (118 cu ft). WOC 18 hrs. Top of cement set @ 3200'.

RECEIVED
NOV 20 1985
OIL CON. DIV.
DIST. 3

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

SIGNED Peggy Dosh

TITLE Drilling Clerk

DATE 11-18-85

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD
DATE

*See Instructions on Reverse Side
NMOCC

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NEW MEXICO OIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 12-17-85	
Company El Paso Natural Gas Co		Connection	
Pool Basin		Formation Dakota	
Completion Date 12-17-85		Total Depth 7822	
Csg. Size 4.500		Plug Back TD 7814	
wt. 10.5		Elevation	
d 4.052		Set At 7822	
Perforations: From 7571		To 7794	
Perforations: From		To	
Perforations: From		To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru Tbg.		Reservoir Temp. °F a	
Mean Annual Temp. °F		Baro. Press. - P _a 12	
L		H	
Gg		% CO ₂	
% N ₂		% H ₂ S	
Prover		Meter Run	
Taps		County Rio Arriba	
State New Mexico		Unit S.J. 27-5 Unit	
Well No. #108E		Unit M	
Sec. 15		Twp. 27	
Rge. 05			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.							2493		2478		7 Days
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1.				
2.				
3.				
4.				
5.				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$

ACF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$

DEC 19 1985

OIL CON. DIV.

DIST. 3

Absolute Open Flow	Mcfd @ 15.025	Angle of Slope	Slope, n
Remarks:			

Approved by Commission:	Conducted By: Harold Cloer	Calculated By: Ed Mabe	Checked By: kld
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DEVIATION REPORT

Name of Company El Paso Natural Gas Company		Address PO Box 4289, Farmington, NM				
Lease San Juan 27-5 Unit	Well No. 108E	Unit Letter M	Section 15	Township 27N	Range 5W	
Pool Basin Dakota			County Rio Arriba			

Depth (Ft.)		Deviation (Degrees)	
90	6253	1/2	1 3/4
236	6449	1/4	2 1/2
467	6576	3/4	2 1/4
744	6690	3/4	1 1/2
1240	6942	3/4	1 1/2
1739	7257	1 1/4	1 1/4
1988	7787	1 1/4	1 1/2
2354		2	
2423		2	
2545		2	
2700		1 1/4	
2952		3	
3042		2 1/4	
3171		2 1/2	
3234		2	
3328		2	
3413		1 3/4	
3603		1 1/2	
3770		2	
3954		3/4	
4440		1/2	
4940		3/4	
5448		1 1/4	
5940		2 1/4	
6065		2 3/4	
6159		2 1/4	

RECEIVED

DEC 20 1985

OIL CON. DIV.
DIST. 3

I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer of El Paso Natural Gas Company, am authorized by said Company to make this report; and that this report was prepared by me or under my supervision and directions and that the facts stated herein are true to the best of my knowledge and belief.

Donald C. Lalanne

Subscribed and sworn to before me this 18th day of November, 19 85.

James A. Dosh
Notary Public in and for San Juan County, New Mexico

My Commission expires August 17, 1988.