

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

Rio Arriba NM

13. STATE

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, GR, etc.)

6590'GL

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

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

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 perti-
nent 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

TITLE Drilling Clerk

DATE

11-8-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*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*
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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 <input type="checkbox"/>	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 BLM. 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

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'.

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

SIGNED

TITLE Drilling Clerk

DATE

11-18-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NMUGC

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.

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	Plug Back TD 7814
Elevation		Farm or Lease Name S.J. 27-5 Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7822
Perforations: From 7571 To 7794		Well No. #108E	
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 7781
Perforations: From To		Unit Sec. Twp. Rge. M 15 27 05	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single			
Packer Set At None		County Rio Arriba	
Producing Thru Tbg.	Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a 12
State New Mexico			
L	H	G _g	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	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 Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	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 *	P _c * - P _w *	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

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

DEC 19 1985
OIL CON. DIV.
DIST. 3

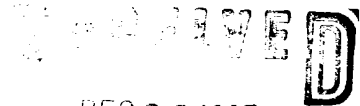
Absolute Open Flow	Mcfd @ 15.025	Angle of Slope	Slope, n
Remarks:			

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	


 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. Leal

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

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

My Commission expires August 17, 1988.