

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☐ Fee ☒
5. State Oil & Gas Lease No.

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER-		7. Unit Agreement Name San Juan 28-5 Unit
Name of Operator El Paso Natural Gas Company		8. Farm or Lease Name San Juan 28-5 Unit
Address of Operator PO Box 4289, Farmington, NM 87499		9. Well No. 67M
Location of Well UNIT LETTER 0 970 South 1450 FEET FROM THE LINE AND FEET FROM East 21 28N 5W TOWNSHIP RANGE NMPM.		10. Field and Pool, or Wildcat Blanco MV/Basin Dk
15. Elevation (Show whether DF, RT, GR, etc.) 6715' GL		12. County Rio Arriba

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

TEMPORARILY ABANDON ☐

PULL OR ALTER CASING ☐

OTHER ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

REMEDIAL WORK ☐

COMMENCE DRILLING OPNS. ☐

CASING TEST AND CEMENT JOBS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 11-18-85 Pressure tested casing, did not hold. Isolated failure @ top of 7" liner. Squeeze cemented with 100 sks. Class "B" neat (118 cu.ft.) WOC 18 hours.
- 11-19-85 Cleaned out squeeze cement. Pressure tested casing, did not hold. Squeezed top of 7" liner with 200 sks. Class "B" neat with 2% calcium chloride (236 cu.ft.). Squeeze locked up. WOC 12 hrs.
- 11-20-85 Cleaned out squeeze cement. Pressure tested casing to 4500 psi, ok.

DEC 18 1985
OIL CON. DIV.
DIST. 3

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

SIGNED Peggy Doak TITLE Drilling Clerk DATE 12-17-85

Original Signed by FRANK T. CHAVEZ

APPROVED BY FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT 3

DEC 18 1985

CONDITIONS OF APPROVAL, IF ANY:

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

Form C-122
Revised 9-1-65

RECEIVED
JAN 27 1986
CON. DIV.

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 1-20-86		<div style="text-align: right;"> JAN 27 1986 CON. DIV. </div>		
Company El Paso Natural Gas			Connection						
Pool Basin			Formation Dakota			Unit			
Completion Date 1-20-86		Total Depth 8025		Plug Back TD 8018		Elevation 6706 GR		Farm or Lease Name San Juan 28-5 Unit	
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3898	Perforations: From 5357* To 7981			Well No. #67M		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7975	Perforations: From To			Unit Sec. Twp. Rge. 0 21 28 05		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 6268			County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg .700	% 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							1710				7 Days
1.			.750	135		62	135				3 Hrs.
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		147	.9981	.9258	1.017	1708
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

$P_c = 1722$ $P_c^2 = 2965284$				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		327	106929	285855
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{2965284}{2858355}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0279$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1756$$

Absolute Open Flow <u>1756</u> Mcfd @ 15.025		Angle of Slope @ _____	Slope, n <u>175</u>
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Remarks: <u>7" Liner - 3754 - 6437</u>	
<u>4 1/2" Liner 6300 - 8025</u>	
Gas vented during test = 260 MCF.	

Approved By Commission:	Conducted By: John Easley	Calculated By: Scott H. Lindsay	Checked By: kld
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