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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

SUNDY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO CEEPEN OR PLUG BACK TO A DIFFERENT WELL. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

RECEIVED
MAY 3 1976
NEW MEXICO OIL CONSERVATION COMMISSION

1. OIL WELL ☐ GAS WELL ☒ OTHER- _____

2. Name of Operator
El Paso Natural Gas Company

3. Address of Operator
P. O. Box 990, Farmington, NM 87401

4. Location of Well
UNIT LETTER 0 900 FEET FROM THE S LINE AND 1750 FEET FROM
THE E LINE, SECTION 11 TOWNSHIP 30N RANGE 8W NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
5705' GL

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No. _____

7. Unit Agreement Name _____

8. Farm or Lease Name
Howell J

9. Well No.
3A

10. Field and Pool, or Wildcat
Blanco MV

12. County
San Juan

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER <input checked="" type="checkbox"/> Perf and Frac

17. 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.

04-19-76 TD 2885'. Ran 68 joints 7", 23#, N-80 intermediate casing, 2873' set at 2885'. Cemented with 653 cu. ft. cement. WOC 12 hours, held 1200#/30 minutes. Top of cement at 275'.

04-23-76 TD 5205'. Ran 59 joints 4 1/2", 10.5#, KE casing liner, 2470' set 2735-5205'. Float collar set at 5189'. Cemented with 413 cu. ft. cement. WOC 18 Hours.

04-25-76 PBTD 5189'. Tested casing to 4000#, OK. Perf'd 4396', 4440', 4451', 4471', 4486', 4496', 4506', 4563', 4696', 4706', 4748' with 1 shot per zone. Frac'd with 44,000#--20/40 sand and 46,490 gallons treated water. No ball sets dropped. Flushed with 5990 gallons water.

Perf'd 4816', 4827', 4837', 4862', 4911', 4919', 4982', 5006', 5079', 5108', 5161' with 1 shot per zone. Frac'd with 42,000#--20/40 sand and 46,210 gallons water. No ball sets dropped. Flushed with 6200 gallons water.

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

SIGNED D. G. Ducas TITLE Drilling Clerk DATE April 30, 1976

APPROVED BY Original Signed by A. R. Kendrick TITLE SUPERVISOR DIST. #3 DATE MAY 3 1976

CONDITIONS OF APPROVAL, IF ANY:

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 5, 1976

Operator El Paso Natural Gas Company		Lease Howell J #3-A	
Location SE 11-30N-8W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5205'	Tubing: Diameter 2.375	Set At: Feet 5149'
Pay Zone: From 4396	To 5161'	Total Depth: PBDT 5205' 5189'	Shut In 4-28-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, 605	PSIG	+ 12 = PSIA 617	Days Shut-In 7	Shut-In Pressure, Tubing 561	PSIG + 12 = PSIA 573
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: P _w	PSIG + 12 = PSIA
Temperature: T = °F	Ft =	n =		F _{pv} (From Tables)	Gravity F _g =

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = \text{_____ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

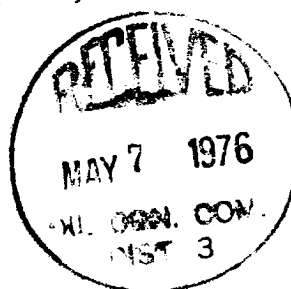
$$Aof = \left(\text{_____} \right)^n =$$

After frac gauge (to be used only for sizing equipment) = 3660 MCF/D

$$Aof = \text{_____ MCF/D}$$

TESTED BY R. Hardy

WITNESSED BY _____



H. E. M. Anally
Well Test Engineer

EL PASO NATURAL GAS COMPANY

DEVIATION REPORT

Name Of Company El Paso Natural Gas Company				Address P. O. Box 990, Farmington, NM 87401			
Lease Howell J	Well No. 3A	Unit Letter O	Section 11	Township 30N	Range 8W		
Pool Blanco Mesa Verde				County San Juan			

DEPTH	DEVIATION
263'	1/4°
519'	1/2°
1007'	3/4°
1149'	3/4°
1632'	3/4°
2136'	3/4°
2702'	1°
2885'	1/2°
3380'	1/2°
3895'	3/4°
4357'	1°
4842'	3/4°
5205'	1°



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 therein are true to the best of my knowledge and belief.

Don R. [Signature]

Subscribed and sworn to before me this 28th day of May, 1976.

Don G. [Signature]

Notary Public in and for San Juan County, New Mexico

My commission expires October 5, 1976.