Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: SF 081155

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. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: Allison Unit

2. NAME OF OPERATOR: El Paso Natural Gas Company

8. FARM OR LEASE NAME: Allison Unit

3. ADDRESS OF OPERATOR: PO Box 990, Farmington, NM 87401

9. WELL NO.: 41

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1500'S, 1600'W

10. FIELD AND POOL, OR WILDCAT: Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 29, T-32-N, R-6-W NMPM

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6373'GL

12. COUNTY OR PARISH: San Juan

13. STATE: New Mexico

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☒	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☒	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(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.) *

12-27-73 TD 8066'. Ran 248 joints 4 1/2", 11.6 and 10.5#, K-55 production casing, 8051' set at 8066'. Float collar set at 8048'. Stage tool set at 5874' and 3582'. Cemented first stage with 350 cu.ft. cement, second stage with 428 cu.ft. cement, third stage with 638 cu.ft. cement. WOC 18 hours. Top of cement at 2200'.

12-30-73 PBTD 8048'. Tested casing to 4000#-OK. Perf'd 7856', 7901', 7906', 7924', 7941', 7970', and 8028' with one shot per zone. Frac'd with 52,000# 40/60 sand and 62,750 gallons treated water. No ball drops. Flushed with 5420 gallons water.

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DIST. 3

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

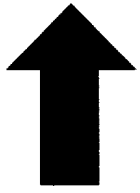
SIGNED _____ TITLE Drilling Clerk DATE January 4, 1974

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



LTR

Job separation sheet

FORM [illegible] (5-12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE January 17, 1974

Operator: El Paso Natural Gas Company		Lease: Allison Unit #41	
Location: 1500/S, 1600/W, Sec. 29, T32N, R6W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8066'	Tubing: Diameter: 2.375	Set At: Feet: 8012'
Pay Zone: From: 7856	To: 8028	Total Depth: 8066	Shut In: 1-3-74
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XX

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2772	+ 12 = PSIA: 2784	Days Shut-In: 14	Shut-In Pressure, Tubing PSIG: 2760	+ 12 = PSIA: 2772	
Flowing Pressure: P PSIG: 97	+ 12 = PSIA: 109		Working Pressure: P_w PSIG: 590	+ 12 = PSIA: 602	
Temperature: T= 79 °F	Ft= .9822	n = .75	Fpv (From Tables): 1.006	Gravity: .600	Fg = 1.000

CHOKE VOLUME = $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$Q = 12.365\ (109)\ (.9822)\ (1.000)\ (1.006)$ = 1332 MCF/D

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

$Aof = Q \left(\frac{7750656}{7388252} \right)^n = 1332(1.0491)^{.75} = 1332(1.0366)$

Aof = 1380 MCF/D

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Note: Well unloaded slug of oil in approximately 4 minutes, and heavy fog of distillate and water throughout test.

TESTED BY Norton

WITNESSED BY _____

Loren W. Fothergill

Loren W. Fothergill
Well Test Engineer

B. & R.
SERVICE, INC.

TEMPERATURE SURVEY

COMPANY EL PASO NAT. GAS CO.

WELL 41 LEASE ALLISON UNIT

COUNTY SAN JUAN STATE NEW MEXICO

SEC. SW29 TWP. 32 RGE. 6

APPROX. TOP CEMENT 2200'

Survey Begins at 2000' Ft. Ends at 3553' Ft.

Approx. Fill-Up ____ Max. Temp. ____

Log Measured From KB Run No. 1

Casing Size	Casing Depth		Diam of Hole	Depth	
4½"	from ____	to 8065'	7⅞" from ____	to	8065'
____	from ____	to ____	from ____	to	____

Date of Cementing 12-27-73 Time 10:30 P.M.

Date of Survey 12-28-73 Time 6:30 A.M.

Amount of Cement 243 SKS 65/35 W/12% GEL

Recorded by WILSON Witnessed by ____

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REMARKS OR OTHER DATA

STAGE TOOLS @ 5874' AND 3582'

TEMPERATURE IN DEGREES FAHRENHEIT