Form 9–331
Dec. 1973

Form Approved.
Budget Bureau No. 42–R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9–331–C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
El Paso Natural Gas Company

3. ADDRESS OF OPERATOR
Box 289, Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1800'S, 830'E
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
NM 013860

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Hardie E

9. WELL NO.
3A

10. FIELD OR WILDCAT NAME
Blanco Mesa Verde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 23, T-28-N, R-8-W, N.M.P.M.

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6253' GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		☒
SHOOT OR ACIDIZE	☐		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other)			

(NOTE: Report results of multiple completion or zone change on Form 9–330.)

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.)*

4-1-80: PBTD 5419'. Tested casing to 3500#, OK. Perfed P.L. 4978,4992, 5008,5014,5020,5031,5036,5067,5074,5090,5104,5118,5131,5161,5187, 5238,5252,5283,5317,5340,5363,5385' W/1 SPZ. Fraced w/79,000# 20/40 sand, 150,000 gal. wtr. Flushed w/6468 gal. wtr.

4-2-80: Perfed C.H. & Men. 4462,4479,4484,4496,4502,4508,4655,4661,4717, 4765,4777' W/1 SPZ. Fraced ~~w/39,500#, 20/40~~ sand, 78,000 gal. wtr. Flushed w/ 6174 gal. wtr.

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APR 8 1980
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED A. D. Bures TITLE Drilling Clerk DATE April 8, 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

APR 17 1980
OIL CON. COM.
DIST. 3

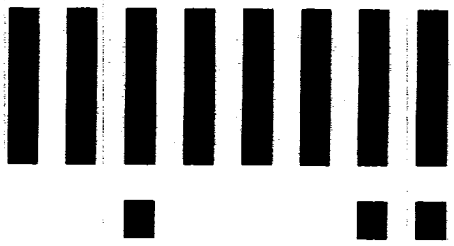
APR 16 1980

FARMINGTON, NEW MEXICO

BY

*See Instructions on Reverse Side

NMOCC



LTR

Job separation sheet

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 4-15-80	
Company: El Paso Natural Gas Co.		Connection			
Pool: Blanco		Formation: Mesa Verde		Unit	
Completion Date: 4-5-80	Total Depth: 5436	Plug Back TD: 5419	Elevation: 6253 CL	Farm or Lease Name: Hardie E	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 5436		Perforations: From 4462 To 5385		Well No.: #3A	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5376		Perforations: From To		Unit: I / Sec.: 23 / Twp.: 28 / Rge.: 8	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At		County: San Juan	
Producing Thru	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico	
L	H	Gg	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							276		958		10 Days
1.											
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_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c _____ P_c^2 _____

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

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

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

Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

RECEIVED
APR 16 1980
OIL CON. COM.
DIST. 3

Approved By Commission:	Conducted By: N. Waggoner	Calculated By: C. R. Wagner	Checked By: