Form 9-331 (May 1963)

UNITED STATES

SUBMIT IN TRIPLICATE* (Other instructions on re-

Form approved. Budget Bureau No

DEC 1 4 1971

____ DATE December 14, 1971

DEPARIMENT OF THE INTERIOR verse side) GEOLOGICAL SURVEY			NM 03154			
SUNDRY NO	TICES AND REPORTS posals to drill or to deepen or plug ATION FOR PERMIT—" for such	ON WELLS back to a different reservoir. proposals.)	6. IF INDIAN, ALLO	TTEE OR TRIBE NAME		
(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.)			7. UNIT AGREEMEN	T NAME		
WELL GAS OTHER						
2. NAME OF OPERATOR			8. FARM OR LEASE	8. FARM OR LEASE NAME		
El Paso Natural Gas Company			Ballard			
3. ADDRESS OF OPERATOR PO Box 990, Farmin		OFFINE	9. WELL NO. 10 (OWWO)			
4. LOCATION OF WELL (Report location See also space 17 below.) At surface 1850'S, 790'W		DEC 1 6 1971	11. SEC., T., R., M., SURVEY OR	ctured Cliffs OR BLE. AND		
	\	OIL CON. COM.	Sec. 15, NMPM 12. COUNTY OR PA	T-26-N, R-9-W		
14. PERMIT NO.	15. ELEVATIONS (Show whether	6326'GL	San Juan	New Mexico		
16. Chack A	Appropriate Box To Indicate		or Other Data			
NOTICE OF INT			SEQUENT REPORT OF:			
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS	Completion or Rec	ALTERE ABANDO	g form.)		
17. DESCRIBE PROPOSED OR COMPLETED 0 proposed work. If well is direct nent to this work.) *			•			
	d out ald hole to total' set at 2060', with					
on 12-10-71: PBTD frac with 30,000# 10 flushed with 504 gal	2048', perf 1980-200 0/20 sand, 30,000 ga lons water.	00' with 40 shots, 202 llons water, dropped	24-34' with 30 : 1 set of 40 ba	shots, lls,		
		•				
			•			
			1			

TITLE Petroleum Engineer

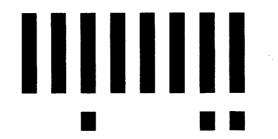
18. I hereby certify that the foregoing is true and correct Original Signed F. H. WOOD

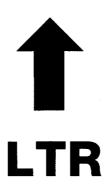
(This space for Federal or State office use)

CONDITIONS OF APPROVAL, IF ANY:

SIGNED .

APPROVED BY







Job separation sheet

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE December 30, 1972

Operator El Paso Natural Gas Company		Ballard No. 10 (OWWO)			
1850/S 790/W Sec. 15T26NR9W		San Juan	New Mexico		
Formation		Pool			
Pictured Cliffs		Ballard			
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet		
2.875	2059	No Tubing			
Pay Zone: From	То	Total Depth:	Shut In		
1980	2034	2059	12-18-71		
Stimulation Method		Flow Through Casing	Flow Through Tubing		
SM		XX ·			

Choke Size, Inches		Choke Constant: C				
•750 12 -3 65			Tubingless Completion			
Shut-In Pressure, Casing, 245	PSIG	+ 12 = PSIA 257	Days Shut-In	Shut-In Pressure, Tubing No Tubing	PSIG	+ 12 = PSIA
Flowing Pressure: P	PSIG	+ 12 = PSIA 62		Working Pressure: Pw Calc.	PSIG	+ 12 = PSIA 73
Temperature: T= 48 °F Ft=	1.0117	n = .85		Fpv (From Tables)		Gravity .662 Fg = .9513

$$Q = (12.365)(62)(1.0117)(0.9513)(1.010) = 745$$

OPEN FLOW = Aof = Q
$$\begin{pmatrix} & & 2 & \\ & P_c & \\ & P_c & P_w \end{pmatrix}$$

Note: The well produced a very light mist of water throughout the test.

Aof =
$$\begin{pmatrix} \frac{66049}{60720} \end{pmatrix}^{n} = \frac{(745)(1.0878)^{.85}(745)(1.0741)}{(745)(1.0878)^{.85}(745)(1.0741)}$$

JAN 7 1972 OIL CON. COM. DIST. 3

TESTED BY ____ Jess Goodwin

WITNESSED BY_____

H. E. McAnally