EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE October 4, 1963

Operator El Paso Natural Gas Company Location		Lease		
		Lindrith Unit No. 51		
		County	State	
1830'N, 810'	E. Sec. 24-24-3	Rio Arriba	New Mexico	
Formation		Pool		
Pictured Cli	ffs	South Blanco		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
2.875	3172	No Tubing		
Pay Zone: From	То	Total Depth:	Shut In	
3040	3100	3172	9-27-63	
Stimulation Method	· · · · · · · · · · · · · · · · · · ·	Flow Through Casing	Flow Through Tubing	

Choke Size, Inches		Choke Constant	t: C			
0.750	· · · · · · · · · · · · · · · · · · ·	12.3	365	Tubingless	Compl	letion
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA
978		990	7	No Tubing		
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA
128			140	Calca		177
Temperature:		n =		Fpv (From Tables)		Gravity
T= 58 °F F+=	1.001	9 .85		1.015		.690 Fg = .932

CHOKE VOLUME = Q = C x P, x F, x Fg x Fpv

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

Aof =
$$\left(\begin{array}{c} 980100 \\ 948771 \end{array}\right)^n = (1.0330)^{.85}(1642) = (1.0280)(1642) = \\ NOTE: Light spray of water and different spray of water spray of water and different spray of water spray of$$

NOTE: Light spray of water and distillate throughout test.

TESTED BY _____ Dannie Roberts
Checked

WMINESSED BY ____ W. D. Dawson

Calculated by Tom B. Grant

Lewis D. Galloway

Form 9-831 a (Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Of	fice anta Fe
l coss No	U6315
linit	Linarith Unit

SUNDRY NOTICES AND REPORTS ON WELLS

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)	NOTICE OF INTENTION TO DRILL. NOTICE OF INTENTION TO CHANGE PLANS. NOTICE OF INTENTION TO TEST WATER SHUT-OFF. NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL. NOTICE OF INTENTION TO SHOOT OR ACIDIZE. NOTICE OF INTENTION TO PULL OR ALCER CASING.	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR. SUBSEQUENT REPORT OF ABANDONMENT. SUPPLEMENTARY WELL HISTORY WATER FIRC.
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(HDION	,		September	25 , 19 63
Well No. 51 is loca	ted <u>1830f</u> t.	from. No line an	d <u>810</u> ft. from	n E line of sec. 24
wr/4 Sec. 24	24N	(Range)	(Meridian)	
(% Sec. and Sec. No.) Sio. Blanco Pictured (Field)	Cliffs (Rio Arriba County or Subdivision)		ew Mexico (State or Territory)
	_	11 in 7025	ft.	

The elevation of the derrick floor above sea level is 7025 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

On 9-18-63 perf. 3040-46' w/2 SFF; 3074-78' w/3 SFF, 3086-3100' w/LSFF, frac w/30,678 gallons water, 30,000# 10/20 sand. Flushed w/340 gallons water. I.R. 21 BFM, Max. pr. 4000#, BDP 1850#, tr. pr. 3900# - 4000#. ISIP 500#, 5 Min. SIP 450#.

I understand that this plan of work mu	at receive approval in writing by the	Geological Survey before operations may be commenced.
	- 0	

i understan	d that this plan of work must receive	
Company -	El Faso Natural Gas Company	
4.11	Box 990	COLCINAL SIGNED E S OBERLY
Address	Farmington, New Mexico	By ORIGINAL SIGNED E.S. OBERLY
		retroleum ingineer Title