

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE February 4, 1960

Operator El Paso Natural Gas Company		Lease Rincon Unit No. 137 (D)	
Location 1500S, 1800W; 24-27-7		County Rio Arriba	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 5	Set At: Feet 7815	Tubing: Diameter 2	Set At: Feet 7661
Pay Zone: From 7474	To 7686	Total Depth: c/o 7778	Shut In 1/16/60
Stimulation Method Sand Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365		7" at 7420, 5" liner 7370-7815	
Shut-In Pressure, Casing, PSIG 1057	12 - PSIA 1069	Days Shut-In 19	Shut-In Pressure, Tubing, PSIG 2349	12 - PSIA 2361	
Flowing Pressure: P, PSIG 565	12 - PSIA 577		Working Pressure: P _w , PSIG Calc.	12 - PSIA 1316	
Temperature: T 69 °F	F _t .9915		F _{pv} (From Tables) 1.070	Gravity .700	F _g .9258

Initial SIPT (MV) = 296 psig
Final SIPC (MV) = 1080 psig

Packer at 6729

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

$$Q = 12.365 \times 577 \times .9915 \times .9258 \times 1.070$$

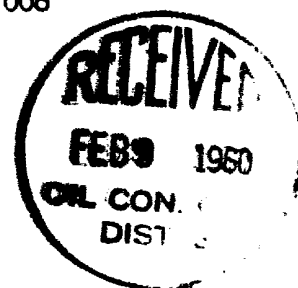
7008

MCF/D

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

$$A_{of} = \left(\frac{5574321}{3842465} \right)^n \quad 1.4507^{.75} \times 7008 = 1.3218 \times 7008$$

$$A_{of} = 9263 \text{ MCF/D}$$

TESTED BY F. M. Clark

WITNESSED BY _____

Checked By H. L. Kendrick

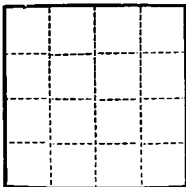
Lewis D. Galloway
L. D. Galloway



LTR



Job separation sheet



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 07290-D
Unit Rincon Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER ACTION)
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

December 1, 1959

Well No. 131(40) is located 1500 ft. from LINE line and 1000 ft. from EX line of sec. 24

SW/4 Sec. 24 27N 7E N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Blanco M.F. & Wildcat Lk. Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)

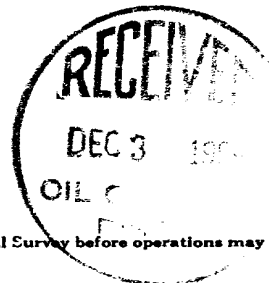
The elevation of the derrick floor above sea level is 6760 ft.

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)

Spud date 11-24-59.
on 11-25-59 Total Depth 324'.
Ran 10 joints 13 3/8", 45.0#, J-55 casing (300') set at 323' with 250 sacks
regular cement, 2% Gel, 2% Calcium Chloride, 110 cu. ft. strata-Grete 16"
circulated to surface.

Held 500#/30 minutes.



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

Company El Paso Natural Gas Company

Address Box 977
Farmington, New Mexico

By ORIGINAL SIGNED H.E. McANALLY

Title Petroleum Engineer