FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE March 2, 1972

Operator: Odessa Natural Corp.		Lease: Burroughs State No. 2	
Location: 1600' N, 1000' E, Sec. 36, T 26N, R 11W		County: San Juan	State: N. M.
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6431	Tubing: Diameter: 2.375	Set At: Feet: 6295
Pay Zone: From: 6194	To: 6314	Total Depth: 6450	Shut In: 2-22-72
Stimulation Method: SWF,		Flow Through Casing:	Flow Through Tubing: XXX

Choke Size, Inches: 2.750 Plate, 4" M.R.	Choke Constant: C: 41.10		Tested through a 3/4" Variable Choke
Shut-In Pressure, Casing, PSIG: 1752	+ 12 = PSIA: 1764	Days Shut-In: 9	Shut-In Pressure, Tubing PSIG: 1760 / + 12 = PSIA: 1772
Flowing Pressure: P PSIG: MR 170 WH 441	+ 12 = PSIA: MR 182 WH 453		Working Pressure: P_w PSIG: 1037 / + 12 = PSIA: 1049
Temperature: T= 79 °F Ft= .9822	n = .75		Fpv (From Tables): 1.020 / Gravity: .720 Fg=1.179

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

Q = Calculated from orifice meter reading = 5375 MCF/D

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

NOTE: The well produced 32.8 bbls. of 47 Gravity oil in 3 hour test.

$Aof = \left(\frac{3139984}{2039583} \right)^n = (5375) \times (1.5395)^{.75} = (5375)(1.3821)$

Aof = 7428 MCF/D

RECEIVED
MAR 13 1972
OIL CON. COM.
DIST. 3

TESTED BY Jesse Goodwin & Norton

WITNESSED BY

John J. Strojek

John Strojek

Distribution: 3/NMOCC-Aztec, 1/Presidio, 1/Atom, 1/Atlas, 1/Koch
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