

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool South Blanco Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Bolack Well No. 4-C
Unit I Sec. 29 Twp. 27 Rge. 3 Pay Zone: From 2315 To 2328
Casing: OD 5 1/2 WT. 15.5 Set At 2409 Tubing: OD 1 1/4 WT. 2.3 T. Perf. 2283
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .655 Estimated _____
Date of Flow Test: From 5/23 To 6/1/57 * Date S.I.P. Measured 12/1/56 (9 days)
Meter Run Size 4 Orifice Size .375 Type Chart Sq. Rt. Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) _____ psig + 12 = _____ psia (a)
Flowing tubing pressure (Dwt) _____ psig + 12 = _____ psia (b)
Flowing meter pressure (Dwt) _____ psig + 12 = _____ psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading (_____)² x spring constant _____ = _____ psia (d)
Meter error (c) - (d) or (d) - (c) _____ ± _____ = _____ psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____ = _____ psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.15)² x sp. const. 5 = 256 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 256 psia (h)
P_t = (h) + (f) _____ = 256 psia (i)
Wellhead casing shut-in pressure (Dwt) 814 psig + 12 = 826 psia (j)
Wellhead tubing shut-in pressure (Dwt) 813 psig + 12 = 825 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 825 psia (l)
Flowing Temp. (Meter Run) 61 °F + 460 _____ = 521 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 413 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{\underline{60}}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 60 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{\underline{51}}$ MCF/da.
510,056
615,089 .8292
.8531

SUMMARY

P_c = 825 psia
Q = 60 Mcf/day
P_w = 256 psia
P_d = 413 psia
D = 51 Mcf/day

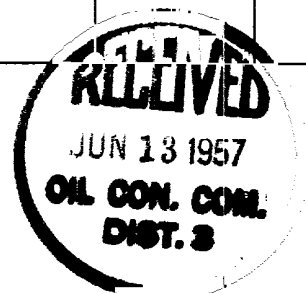
Company El Paso Natural Gas Company
By J. R. Henderson
Title _____
Witnessed by _____
Company _____

- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			FRICION NEGLIGIBLE			

D at 250 = 60



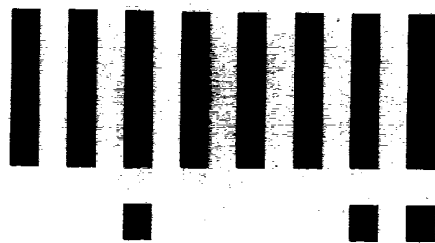
OIL CONSERVATION COMMISSION

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Job separation sheet

CURRENT RECORDS:

CHANGE TO:

Fulcher Kutz Pictured Cliffs Pool:

Cleveland #1-17	A-17-27-9	Cleveland #1
Cleveland #2-20	P-20-27-9	Cleveland #2
Cleveland #3-21	C-21-27-9	Cleveland #3
Cleveland #4-21	N-21-27-9	Cleveland #4
Davidson #1	G-22-28-10	J.C. Davidson D #1
Davidson #1-F	G-27-28-10	J.C. Davidson F #1
Feasel #1-A	E-32-28-10	Feasel A #1
Feasel #3-A	D-34-28-10	Feasel A #3
Galt #1-B	I-6-27-10	Galt B #1
Gordon #1-A	O-24-27-10	Gordon A #1
Huerfanito Unit #41-28	B-28-27-9	Huerfanito Unit #41
Huerfanito Unit #43-22	L-22-27-9	Huerfanito Unit #43
Huerfanito Unit #44-22	E-22-27-9	Huerfanito Unit #44
Kutz Canyon Oil & Gas Co. #1	O-17-28-10	Kutz Canyon Oil & Gas #1
Kutz Canyon Oil & Gas Co. #2	N-8-28-10	Kutz Canyon Oil & Gas #2
Kutz Deep test #1-A	J-22-28-10	Kutz Deep Test A #1
Martin #1	A-31-28-10	R.H. Martin #1
McAdams #1-A	K-20-27-9	McAdams A #1
Rowley #1-B	C-21-27-10	Rowley B #1
Rowley #2-B	L-21-27-10	Rowley B #2
Rowley #1-C	E-28-27-10	Rowley C #1
Rowley #2-C	K-28-27-10	Rowley C #2
Rowley #1-D	D-27-27-10	Rowley D #1
Rowley #2-D	M-27-27-10	Rowley D #2
Sullivan #1-A	O-23-28-10	Sullivan A #1
Turner State #7-16	K-16-27-9	Turner B Com B #7
Turner State #8-16	P-16-27-9	Turner B Com C #8
Turner State #9-16	D-16-27-9	Turner B Com D #9

South Blanco Pictured Cliffs Pool:

Abraham #1-E	E-24-24-2	Abraham E #1	
Abraham #2-E	G-24-24-2	Abraham E #2	(TA)
Blanco Gas Unit #2	G-1-27-8	Blanco #13	C-104 Required
Blanco Gas Unit #4	K-36-28-8	Blanco #15	C-104 Required
Bolack #2-B	K-12-27-8	Bolack B #2	
Bolack #3-B	N-33-28-8	Bolack B #3	
Bolack #1-C	A-28-27-8	Bolack C #1	
Bolack #2-C	D-28-27-8	Bolack C #2	
Bolack #3-C	D-29-27-8	Bolack C #3	
Bolack #4-C	I-29-27-8	Bolack C #4	
Bolack #5-C	O-30-27-8	Bolack C #5	
Bolack #7-C	E-33-27-8	Bolack C #7	
Bolack #8-C	I-33-27-8	Bolack C #8	
Bolack #9-C	H-31-27-8	Bolack C #9	
Bolack #11-C	K-28-27-8	Bolack C #11	
Bolack #12-C	A-29-27-8	Bolack C #12	
Bolack #13-C	M-29-27-8	Bolack C #13	
Bolack #14-C	B-30-27-8	Bolack C #14	
Brookhaven State #4	L-36-27-8	Brookhaven Com C #4	C-104 Required
Brookhaven State #5	E-36-27-8	Brookhaven Com D #5	C-104 Required
Brookhaven State #6	I-36-27-8	Brookhaven Com E #6	C-104 Required
Brookhaven State #7	A-2-27-8	Brookhaven Com F #7	C-104 Required
Burroughs State #1	H-36-27-8	Burroughs Com #1	C-104 Required
Day #1-B	A-7-27-8	Day B #1	
Day #2-B	M-7-27-8	Day B #2	
Day #6-B	F-7-27-8	Day B #6	
Florance #4-C	K-29-28-8	Florance C #4	
Florance #5-C	H-30-28-8	Florance C #5	
Florance #6-C	L-30-28-8	Florance C #6	
Florance #7-C	E-30-28-8	Florance C #7	
Florance #1-D	I-21-27-8	Florance D #1	
Florance #2-D	B-17-27-8	Florance D #2	
Florance #3-D	D-17-27-8	Florance D #3	
Florance #5-D	P-18-27-8	Florance D #5	

cc: El Paso Natural Gas Co. (3)
 Southern Union Gas Co.
 Southern Union Gathering Co.
 Oil Conservation Commission, Santa Fe, N.M.
 U.S. Geological Survey

APPROVED E. S. Oberly
 El Paso Natural Gas Co.
 Effective 11-1-65
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