

B. & R.
SERVICE COMPANY

TEMPERATURE SURVEY

COMPANY

WELL

COUNTY

SEC.

FIELD

STATE

TWP.

RGE.

APPROX. TOP CEMENT

Survey Begins at

Ft. Ends at

Ft.

Approx. Fill-Up

Max. Temp.

Log Measured From

Run No.

Casing Size

Casing Depth

Diam of Hole

Depth

5 1/2" from

to

from

to

Date of Cementing

Time

Date of Survey

Time

Amount of Cement

Type

Amount of Admix

Type

Recorded by

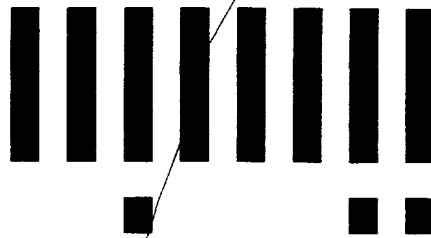
Witnessed by

REMARKS OR OTHER DATA

TEMPERATURE IN DEGREES FAHRENHEIT

ANOMALY 3060

Depth (Ft.)	Temperature (°F)
2500	80
2600	85
2700	90
2800	95
2900	100
3000	105
3100	110
3200	115
3300	120
3400	125
3500	130
3600	135
3700	140
3800	145
3900	150
4000	155
4100	160
4200	165
4300	170
4400	175
4500	180
4600	185
4700	190
4800	195
4900	200
5000	205
5100	210
5200	215
5300	220
5400	225
5500	230
5600	235
5700	240



LTR



Job separation sheet

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 10, 1956

Operator El Paso Natural Gas Company		Lease Howell #3-H	
Location 1600N, 890E, Sec. 12-30-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 5 1/2	Set At: Feet 5742	Tubing Diameter 2	Set At: Feet 5693
Prod. Zone From 5580	5652	Data Depth 5742; c/o 5680	
Stimulation Method Sand water frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant, C 14.1605		
Shut-In Pressure, Casing, PSI 1056	PSIA 1068	Shut-In Pressure, Tubing, PSIG 1056	PSIA 1068
Flow, Bbls. x 10 ³ / Day 358	PSIA 370	Working Pressure, P _w , PSIG 865	PSIA 877
Temperature, °F 78	.75	Sp. Gr. From Tables 1.030	Gravity .63

CHOKED VOLUME = $Q \times C \times P_i \times F_p \times F_g \times F_{pv}$

$$= 14.1605 \times 370 \times .9831 \times .9759 \times 1.030$$

5,178 MCF/D

$$Q = \left(\frac{P_i^n - P_w^n}{P_i^n - P_w^n} \right)^{1/n}$$

$$\left(\frac{1,140,624}{371,495} \right)^{1/n}$$

$$(3.07)^{.75} \times 5178 = 2,318 \times 5178$$

Act 12,003 MCF/D



K. C. Mc Bride

WITNESSES

L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION		
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