

Initial
Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 68

Form C122-A
Revised 1-1-68

POOL NAME BASIN	POOL SLOPE n = .75	FORMATION DAKOTA	COUNTY SJ
---------------------------	------------------------------	----------------------------	---------------------

75-737

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER P L DAVIS #1		
UNIT LETTER L	SECTION 25	TOWNSHIP 26	RANGE 11	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6417	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6201
GAS PAY ZONE FROM 6210 TO 6278		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.678	GRAVITY X LENGTH 4204
DATE OF FLOW TEST FROM 02/27/68 TO 03/06/68			DATE SHUT-IN PRESSURE MEASURED 12/21/67		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 0	(b) Flowing Tubing Pressure (DWt) 0	(c) Flowing Meter Pressure (DWt) 0	(d) Flow Chart Static Reading 0	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 416
(h) Corrected Meter Pressure (g+e) 416	(i) Avg. Wellhead Press. $P_t = (h+f)$ 416	(j) Shut-in Casing Pressure (DWt) 1918	(k) Shut-in Tubing Pressure (DWt) 1918	(l) P_c = higher value of (j) or (k) 1918	(m) Del. Pressure $P_d = 50\%$ P_c 959	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 782	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 782 MCF/D
---	--	---	--

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.263	$(F_c Q_m)^2 (1000)$ 54,052	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 14216	P_t^2 173056	$P_w^2 = P_t^2 + R^2$ 187272	$P_w = \sqrt{P_w^2}$ 433
-----------------------------	---------------------------------------	---	--------------------------	--	------------------------------------

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{782}{\left[\frac{2759043}{3491452} \right]^n} = \frac{0.7902}{0.8381} = 655 \text{ MCF/D}$$

REMARKS:

New Well First Delivered 2-9-68.

SUMMARY

Item h **416** Psia
P_c **1918** Psia
Q **782** MCF/D
P_w **433** Psia
P_d **959** Psia
D **655** MCF/D

Company **EL PASO NATURAL GAS CO**

By

Title

Witnessed By

Company



68/03/21

937 75-737

RECEIVED
JAN 10 1945

TO: THE SECRETARY OF THE ARMY
FROM: THE SECRETARY OF THE ARMY

1-1

RE: THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

1. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

2. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

3. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

4. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

5. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

6. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

7. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

8. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

9. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

10. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

11. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

12. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

13. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

14. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

15. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

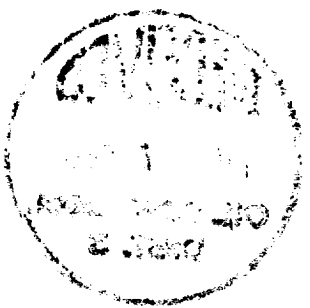
16. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

17. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

18. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

19. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY

20. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY



21. THE SECRETARY OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY