

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Location Alameda Formation Pistoneo G11.1b County San Juan
Well No. 1 Date of Test 7-31-58
Lease San Juan 20-0 Well No. 1
Sec. 15 Twp. 29N Rge. 9E Purchaser Not connected
Wt. 2.3 Set at 4334 Perf. 2137 To 3193
Wt. 6.7 Set at 4334 Perf. 4334 To
Days: From 2137 To 3193 Lr 2137 Bar. Press. 1397
Casing 1 Tubing Type Well Dual - G-G
Completion: 7-20-58 Facker Don - 1541 Reservoir Temp.

(850000) DATA

Flow Through 1 1/4" (choke) 1541

Type Taps

Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
(Prover) (Line) Size	(Choke) (Line) Size	Press. 14 psig	Diff. h _w	Temp. °F.	Press. 2-1/4 in psig	Temp. °F.	Press. psig	Temp. °F.	
		759			1031		891		81
	1 1/4	145			1034		177	45	3 hrs

FLOW CALCULATIONS

Coefficient (24-Hour)	$\sqrt{h_{wF}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
12.3512		100	.9543	.9500	1.017	2.371

PRESSURE CALCULATIONS

Liquid Hydrocarbon Ratio cf/bbl.
Specific Gravity of Liquid Hydrocarbons deg.
(1-e^{-S})
Specific Gravity Separator Gas
Specific Gravity Flowing Fluid
P_c 843 P_c 704.8

P _w P _t (psia)	P _t ²	F _{cQ}	(F _{cQ}) ²	(F _{cQ}) ² (1-e ^{-S})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
157					24649	7048		1.000

Absolute Potential: 2,377 MCFPD; .46/L.0463

COMPANY Red H. White
ADDRESS 113 Seventh St NE, Albuquerque, N.M.
TEST and TITLE G. E. Warner, Well Tester, Harbort Production Corp.
TESTED Fred Cook, NM OGC; Mr. Grimes, H.B.B. 10/12
WITNESSES H. L. Karamica and L. D. Callaway, EPNG

REMARKS

DRILLING DEPARTMENT

COMPANY W. L. Miller

LEASE Jan Jan 17-2 WELL NO. 1

DATE OF TEST 7-31-38

WY 1803

WELL HEAD PRESSURE (PSIG) TUBING 7 1/2 CASING 10 5/8 S.I. PERIOD 7 DAYS

WELL HEAD NITROGEN

WELL HEAD NITROGEN 1 1/2 PERCENT OF GASOLINE WORKING PRESSURE FROM 200-200

TIME	WELL HEAD PRESSURE (PSIG)	WELL HEAD PRESSURE (PSIG)	WELL HEAD PRESSURE (PSIG)	WELL HEAD PRESSURE (PSIG)	TEMP
HOURS	MINUTES	WELL HEAD PRESSURE (PSIG)	WELL HEAD PRESSURE (PSIG)	WELL HEAD PRESSURE (PSIG)	TEMP
10	13	423		1023	460
10	20	331		1023	338
10	40	285		1023	293
10	50	260		1023	270
10	55	221		1023	231
11	02	204		1023	212
11	07	187		1023	196
11	10	177		1023	185

START AT 10:10 AM END TEST AT 1:40 PM

REMARKS: General test tubing for 2 minutes to measure liquid level in the 2
inches and started 1938.

TESTED BY : C. L. Warner

WITNESS: Fred Cook, W. L. Miller
Galloway, W. L. Miller
Embrick, W. L. Miller
Green, W. L. Miller

NEW MEXICO OIL POLLUTION COMMISSION

Form 10

MULTI-POINT BACK-LOG TEST FOR GAS WELLS

Revised 10-1-58

Name Mr. White Formation Mudstone County San Juan
 Date of Test 7-21-58
 Well No. 1
 K 35 28M 880 9M Purchaser Not connected
 9' 11.5 4614 3928 To 4546
 2-3/8" 4.7 4556 4554 To
 3928 4546 4554 4554 4554 4554 Bar. Press. 2960
 Type Well Prod. & G.O.
 Single-bradenhead-G. O. or G.O. Prod.
 Reservoir Temp. 230.8

DEBIT DATA

Flowing Data					Casing Data		Duration of Flow Hr.
Press.	Temp.	Press.	Temp.	Press.	Temp.		
psig	°F.	psig	°F.	psig	°F.		
				1028		831	31
3/4				324	67	837	3 hrs

FLOW CORRECTIONS

Flowing Rate	Pressure	Flowing Rate	Gravity Factor	Compress. Factor	Rate of Flow
gpm	psig	gpm	F _g	F _{pv}	Q-MCFPD @ 15.025 psia
12,369	336	9933	.9408	1.102	4,482

PROFESSOR CORRECTIONS

Specific Gravity Separator Gas 1.000
 Specific Gravity Flowing Fluid 1.000
 P₀ 1000 P₀ 1000

P ₀	P ₁	(P ₁ /P ₀) ²	(P ₁ /P ₀) ³	P ₁ ²	P ₀ ² -P ₁ ²	Cal. P ₁	P ₁ /P ₀
336	112.896	38.473	1480.172	287.158	448.838	491.581	1.007

Correction: 5.786 MCFPD; 0.71/1.000
 115 South St. NE, Albuquerque, N. M.
 C. E. Warren, Well Tester, Northeast Production Corp.

DRILLING DEPARTMENT

COMPANY

LEASE DATE 2-9-9 WELL NO. 1

DATE OF TEST 7-24-58

SHUT IN PRESSURE (PSIG): TUBING ~~544~~ CASING ~~144~~ S.I. PERIOD ~~4~~ DAYS

ALL LOW NIPPLE

WORKING PRESSURES FROM ~~SECRET~~[illegible]

JAN 11 9:45 AM

END TEST AT 12:45 PM

[illegible]

TESTED BY : G. L. Hester

WITNESS:

