

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

MEMO:

TO: W. B. MACKY AND R. R. SPURRIER

SUBJECT: Pitot Test of Greenbrier, Palmer #1, Section 1, Township 24 N,
Range 2 West, in connection with Case No. 574

This well was tested October 7, 1953 with Mr. Emory Arnold and Dusty Rhodes assisting and observing.

This well is located about 2 miles north and 3 miles East of Lindrith and about 1/2 mile SW of a farmhouse which I believed to be where Mr. Palmer resides, but I am not sure as he did not come to the well nor did we go to the house.

The calibrated spring gauges belonging to the commission was used since a dead weight gauge was not available. Both tubing and casing pressures were taken. Since the tubing and casing pressure were not the same it was suspected the well was bridged or water logged. After two minutes of flow, the well discharged destillate for about 2 minutes then went to water. The flow was so wet water dripped off the flow nipple. After 30 minutes the flow died to small pulsations indicating a head of water in tubing. We then opened well through the casing in an effort to get a gauge without lifting water. The well stabilized at 72.68 MWF/dn. New Mexico Base, corrected for atmospheric pressure, gravity, and flow nipple size.

It is my opinion that this well was producing thru considerable water on at least part of the formation. If well was swabbed and put to producing with a bleeder string to blow off water occasionally it would probably make considerably more than this test would indicate but would probably still be a marginal well, economically.

It is my further opinion that the wellhead is of the type which is far more expensive than is necessary for this type of well. The well is tubed with 2 7/8" tubing which is larger than necessary. Further, I do not believe the recovery of 7" casing would be more than 2000 feet and probably less since the cement came up to about 2200 feet below the surface.

It is my opinion the well is of questionable economic value but it would be of considerable value to Mr. Palmer for his personal needs should it be economically feasible for him to lay a line to his house and provide the necessary pressure reducers and water trap.

E. A. UTZ,
Gas Engineer

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NEW MEXICO OIL CONSERVATION COMMISSION

INITIAL POTENTIAL TEST-DATA SHEET

FORM C-122-B

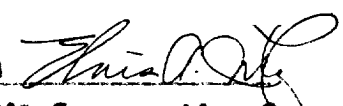
POOL Wildcat - Gavilan Area FORMATION Pictured Cliffs
COUNTY Rio Arriba DATE WELL TESTED 10/7/53

OPERATOR Greenbrier Oil Company LEASE: Palmer WELL NO. 71
1/4 SECTION: SE 1/4 Sec. 1 TWP. 24 N RGE. 2 W
CASING: OD. 7" SET AT 3395 TUBING: OD. 2 7/8 WT. 6.5 SET AT 3372.3
PAY ZONE: FROM 3395 TO 3432 GAS GRAVITY: MEASURED _____ ESTIMATED .65
TESTED THROUGH: CASING X TUBING Too much water
TEST NIPPLE 1" (1.049) I.D. TYPE OF GAUGE USED Manometer

OBSERVED DATA

SHUT IN PRESSURE: CASING 891 Abs. TUBING: 731 Abs. S.I. PERIOD over 7 days
TIME WELL OPENED: 11:25 A.M. TIME WELL GAUGED: 14:25 P.M.
IMPACT PRESSURE: 5.6 in. water

VOLUME THRU 1" I.D. (Table 1)	<u>5.5 H₂O impact</u>	<u>68.4</u>	(a)
MULTIPLIER FOR PIPE OR CASING (Table 2)		<u>1.100</u>	(b)
MULTIPLIER FOR FLOWING TEMP. (Table 3)	<u>60°</u>	<u>0</u>	(c)
MULTIPLIER FOR SP. GRAVITY (Table 4)	<u>.65 Sp. Gr.</u>	<u>0</u>	(d)
AVE. BAROMETER PRESSURE AT WELLHEAD (Table 5)		<u>11.22</u>	
MULTIPLIER FOR BAROMETRIC PRESSURE (Table 6)		<u>.966</u>	(e)
INITIAL POTENTIAL, MCF/24 hrs. (a) x (b) x (c) x (d) x (e) =		<u>72.68</u>	

TESTED BY: Elvis A. Uta 
COMPANY: New Mexico Oil Conservation Comm.
TITLE: Gas Engineer

WITNESSED BY: Henry Arnold
COMPANY: N. M. Oil Conservation Comm.
TITLE: Supervisor District 3
Dusty Rhodes
N. M. State Land Office,
Engineer

GAS WELL PITOT TEST DATA SHEET

COMPANY: Greenbrier Oil Company

LEASE: Palmer

WELL NO: #1

Date	Time of Day	Lapse Time (Min.)	Impact	Casing	Tubing	Remarks
10/7/53	11:00 A			880 + 11	720 + 11	
	11:25	0	Opened			I.D. of nipple 2.067 very wet with Dist.
	11:27	2				
	11:29	4				Brackish H ₂ O, very wet
	11:40	15	16.9 Hg/2"	230	No gauge	Very wet, H ₂ O dripping from nipple.
	11:55	30		130		Too small to measure with Hg. Changed mano- meter to H ₂ O.
	12:00	35		125		Died to small pulsa- tions. Indicating a Column of H ₂ O in tubing.
	12:10	45				S.I. tubing and opened thru casing to try and get a reading.
	12:25	1:00	8.2 H ₂ O/1"	105	No gauge	I.D. nipple 1.049
	12:40	1:15	6.8/H ₂ O	80	"	Dry
	12:55	1:30	6.1 H ₂ O	60	"	Dry
	13:10	1:45	5.6 H ₂ O	40	"	Dry
	13:25	2:15	5.4 H ₂ O	25	"	Dry
	13:55	2:30	5.6 H ₂ O	0	"	Dry
	14:25	3:00	5.6 H ₂ O	0	"	Well is almost certain to have considerable water on formation.

