

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan
Initial X Annual _____ Special _____ Date of Test 4-2-64
Company PAN AMERICAN PETROLEUM CORP. Lease Gallegos Canyon Unit - Dakota Well No. 151
Unit 8 Sec. 21 Twp. 23N Rge. 12W Purchaser _____
Casing 4-1/2 Wt. 10.3 I.D. 4.032 Set at 6300 Perf. 6092-6102/6174 To 6182/6186-6200
Tubing 2-3/8 Wt. 4.7 I.D. 1.995 Set at 6110 Perf. Open To Ended
Gas Pay: From 6092 To 6200 L 6146 xG .700 -GL 4302 Bar.Press. 12
Producing Thru: Casing _____ Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 3-26-64 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (None) (Choke) (None)Type Taps Flange

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Line) Size	(Choke) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI	<u>7 Day</u>					<u>2100</u>		<u>2100</u>		
1.	<u>2"</u>	<u>.720</u>	<u>404</u>			<u>404</u>	<u>80° sat.</u>	<u>1112</u>	<u>80° sat.</u>	<u>3 hr.</u>
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	<u>12.3030</u>		<u>476</u>	<u>1.000</u>	<u>.9230</u>	<u>1.001</u>	<u>9781</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})

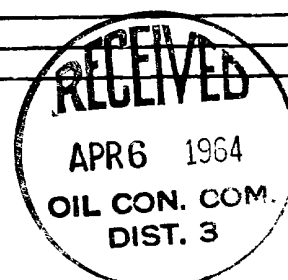
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 3121 P_c 4,406.661

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w /P _c
1.						<u>1,263,376</u>	<u>3,233,263</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 7402 MCFPD; n .75

COMPANY PAN AMERICAN PETROLEUM CORPORATION
ADDRESS Box 400, Farmington, New Mexico
AGENT and TITLE F. L. Roberts, District Engineer
WITNESSED [Signature]
COMPANY _____

REMARKS



INSTRUCTIONS

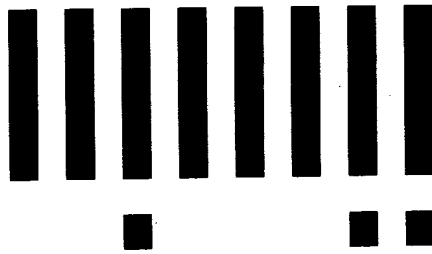
This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia
- P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if
flowing through casing.) psia
- P_f = Meter pressure, psia.
- h_w = Differential meter pressure, inches water.
- F_g = Gravity correction factor.
- F_t = Flowing temperature correction factor.
- F_{pv} = Supercompressability factor.
- n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .



LTR



Job separation sheet

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NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

FORM C-110
 (Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator PAN AMERICAN PETROLEUM CORPORATION				Lease Callegos Canyon Unit - Dakota		Well No. 151	
Unit Letter G	Section 21	Township T-29N	Range R-12W	County San Juan			
Pool Basin Dakota				Kind of Lease (State, Fed, Fee) Federal			
If well produces oil or condensate give location of tanks		Unit Letter G	Section 21	Township T-29N	Range R-12W		
Authorized transporter of oil <input type="checkbox"/> or condensate <input checked="" type="checkbox"/> Plateau, Incorporated				Address (give address to which approved copy of this form is to be sent) P. O. Box 108 Farmington, New Mexico			
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/> El Paso Natural Gas Company		Date Connected	Address (give address to which approved copy of this form is to be sent) P. O. Box 990 Farmington, New Mexico				

If gas is not being sold, give reasons and also explain its present disposition:

REASON(S) FOR FILING (please check proper box)

New Well ☒ Change in Ownership ☐
 Change in Transporter (check one) Other (explain below)
 Oil ☐ Dry Gas ☐
 Casing head gas . ☐ Condensate.. ☐

Remarks

Well completed March 26, 1964 as Basin Dakota Field Well.

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the _____ day of _____, 19____.

OIL CONSERVATION COMMISSION		By ORIGINAL SIGNED BY L. R. Turner
Approved by Original Signed Emery C. Arnold	Title Administrative Clerk	
Title Supervisor Dist. # 3	Company PAN AMERICAN PETROLEUM CORPORATION	
Date APR 14 1964	Address P. O. Box 480 Farmington, New Mexico	

RECEIVED

APR 13 1964

**CON. COM.
DIST. 3**