

NEW MEXICO OIL CONSERVATION COMMISSION

MM OCC-3
Geo Peppin-1
L.G.Truby-1
File-1

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wildcat Formation Fruitland County San Juan
Initial X Annual _____ Special _____ Date of Test 3-7-57
Company Northwest Production Corp. Lease Blanco 30-12 Well No. 6-10
Unit 0 Sec. 10 Twp. 30N Rge. 12W Purchaser Not connected
Casing 4 1/2 Wt. 9.5 I.D. _____ Set at 2080 Perf. 1738 To 1752
Tubing 1 1/2 Wt. 2.3 I.D. _____ Set at 1769 Perf. _____ To _____
Gas Pay: From 1738 To 1752 L _____ xG .650 -GL _____ Bar.Press. 12
Producing Thru: Casing _____ Tubing XX Type Well Single - G
Date of Completion: 2-24-57 Packer No Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through 1716141 (Choke) 1716141 Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) <u>10 1/2 1 1/4</u> Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						<u>689</u>		<u>688</u>		<u>SI</u>
1.		<u>3/4</u>	<u>137</u>		<u>51</u>	<u>137</u>	<u>51</u>	<u>948</u>		<u>3 hours</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>14.1605</u>		<u>149</u>	<u>1.0038</u>	<u>.9608</u>	<u>1.014</u>	<u>2074</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 701 P_c 491.4

No.	$\frac{P_w}{P_t}$ (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	<u>360</u> P _w ²	P _c ² -P _w ²	Cal. P _w	$\frac{P_w}{P_c}$
1.						<u>313.6</u>	<u>177.8</u>		<u>2.76</u>
2.									
3.									
4.									
5.									

Absolute Potential: 4,916 MCFPD; n 85/2.3701
COMPANY Pacific Northwest Pipeline Corp.
ADDRESS 405 1/2 West Broadway, Farmington, New Mexico
AGENT and TITLE C. R. Wagner - Well test Engineer
WITNESSED _____
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 .

PACIFIC NORTHWEST PIPELINE CORPORATION

DRILLING DEPARTMENT

NM OCC: - 3
Geo Peppin -1
L. G. Truby -1
File -1

COMPANY Northwest Production Corp.

LEASE Blanco 30-12 WELL NO. 6-10

DATE OF TEST 3-7-57

SHUT IN PRESSURE (PSIG): TUBING 689 CASING 688 S.I. PERIOD 9 DAYS

SIZE BLOW NIPPLE 3/4" Choke (Bureau of Mines)

FLOW THROUGH Tubing WORKING PRESSURES FROM Casing

TIME		PRESSURE	Q (MCFD) 15.025 PSIA & 60°F	WELLHEAD WORKING PRESSURE (PSIG)	TEMP
HOURS	MINUTES				
1	12	148		587	50
	26.5	146		580	50
	44	144		573	50
2	5	142		563	51
	30	140		556	51
3	0	137		548	51

START TEST AT 10:50 AM END TEST AT 1:50 PM

REMARKS: _____

TESTED BY C. R. Wagner

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 3

DISTRIBUTION

	NO. FURNISHED	
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Assistant	1	
Executive Office		
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Transfer		
File	1	✓

CHAIN OF CUSTODY RECORD

08628

Client / Project Name		Project Location		ANALYSIS / PARAMETERS													
Conoco		Houck Com 1-E															
Sampler: Tye Johnson		Client No. 7000-003-		Remarks													
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH	BTEX										
Vent P.i.t	4/26/01	3:40p		Soil	1	X	X	Non-vulnerable									
Tank Drain	4/26/01	3:30p		Soil	1	X	X	Non-vulnerable									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)													
[Signature]		4/26/01	4:40p	[Signature]													
Relinquished by: (Signature)				Received by: (Signature)													
[Signature]																	
Relinquished by: (Signature)				Received by: (Signature)													
[Signature]																	
<div style="display: flex; justify-content: space-between;"> <div> <p>ENVIROTECH INC.</p> <p>5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615</p> </div> <div> <p>Sample Receipt</p> <table border="1"> <tr> <td>Received Intact</td> <td>Y</td> <td>N</td> <td>N/A</td> </tr> <tr> <td>Cool - Ice/Blue Ice</td> <td>✓</td> <td></td> <td></td> </tr> </table> </div> </div>										Received Intact	Y	N	N/A	Cool - Ice/Blue Ice	✓		
Received Intact	Y	N	N/A														
Cool - Ice/Blue Ice	✓																

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION

Form C-103

Sundry Notices and Reports on Wells

1. Type of Well GAS	API NO. (assigned by OCD)
2. Name of Operator <i>White</i>	5. Type of Lease Fee
3. Address of Operator PO Box 4289, Farmington, NM 87499	6. State Oil & Gas Lease # Fee
4. Well Location 990'S, 1800'E Sec. 10, T-30-N, R-12-W NMPM San Juan County	7. Lease Name/Unit Name Blanco 30-12 Fee Com
	8. Well No. 6
	9. Pool Name or Wildcat Flora Vista Ft. Sand

10. Elevations
'GR

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut Off
	<input type="checkbox"/> Conversion to Injection

12. Describe proposed or completed operations: .

It is intended to plug and abandon this well per the attached procedure and wellbore diagram.

RECEIVED
JAN 9 1992
OIL CON. DIV.
DIST. 3

SIGNATURE *Regan Bradford* (MD) Regulatory Affairs

12-26-91
Date

(This space for State use)

PROVED BY *Paul Shelton*

DEPUTY OIL & GAS INSPECTOR, DIST. #3
TITLE

DATE JAN 09 1992

CONDITION OF APPROVAL, IF ANY:

*SENTENCE OF STEP 5 MAY BE DELETED IF YOU
CHOOSE*

BLANCO 30-12 FEE COM #6 FRTS
UNIT 0 SECTION 10 T30N R12W
San Juan County, New Mexico
P & A Procedure

1. Install & test rig anchors. MI blow tank. MOL and RUSU. Comply to all NMOCD, BLM, & MOI, rules & regulations. NU 6" BOP and stripping head. Test operation of rams. Install 2-3/8" relief line. Blow well down.
2. TOH 56 jts w/1-1/4" FRTS tbg.
3. Run 4-1/2" gauge ring to 1614'. Set 4-1/2" cmt ret @ 1614' (50' above top Fruitland).
4. TIH w/ 2-3/8" rental workstring tbg & sting into cmt ret @ 1614' & sq FRTS perfs w/22 sx cmt (to fill FRTS perfs & 4-1/2" csg plus 100%).
5. Sting out of cmt ret & displace 5 sx cmt on top ret. Pressure test csg to 500 psi. Circ hole w/ mud: 15# sodium bentonite w/non-fermenting polymer, 9# gal weight, & 50 qs vis or greater. TOH.
6. Perf 2 sq holes @ 590' (50' below top of Kirtland). With tbg @ 590', pipe rams closed, & bradenhead valve open, pump 32 sx cmt. This will fill behind csg from 590' to 440' (50' above top Ojo Alamo) w/100% excess. If returns are good out bradenhead valve, continue pumping cmt & circ cmt out bradenhead valve (about 74 sx cmt). Close bradenhead valve, open pipe rams, & circ 10 sx cmt in csg. This will fill csg from 590' to 440'.
7. If cmt has not circ out bradenhead valve, perf 2 sq holes @ 236' (50' below surface csg shoe). Circ cmt down 4-1/2" csg & out bradenhead valve. (About 52 sx cmt).
If cmt has circ out bradenhead valve, TIH w/tbg to 236' & w/pipe rams open, circ cmt out 4-1/2" csg. TOH.
8. Cut off wellhead below surface csg flange and install dry hole marker to Government specs.
9. Restore location to Government specs.

Approve: _____
R. F. Headrick

VENDORS:

P&A rig: Bedford 325-1211

PMP

BLANCO 30-12 FEE COM #6 FRTS

UNIT O SECTION 10 T30N R12W
SAN JUAN COUNTY, NEW MEXICO

