

3 - New Mexico Oil Conservation
1 - W.A. Johnston
1 - Hollis
1 - Cutler
1 - Fowler
2 - Phillips Petr.
NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 12-1-55

Pool Blanco Mesquite Formation Mesquite County El Arriba
Initial X Annual _____ Special _____ Date of Test 4-15-56
Company Pacific Northwest Pipeline Corp. Lease Indian Well No. 7-1
Unit X Sec. 36 Twp. 28N Rge. 3W Purchaser _____
Casing 7-1/8" Wt. _____ I.D. _____ Set at 364 Perf. 362 To 604
Tubing 2-1/8" Wt. _____ I.D. _____ Set at 627 Perf. _____ To _____
Gas Pay: From 362 To 604 L _____ xG .730 -GL _____ Bar. Press. 12 PSIA
Producing Thru: Casing _____ Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 3-10-56 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (PERMANENT) (Choke) (PERMANENT) Start In 7 Days Type Taps _____

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	
1.		<u>3/4</u>	<u>6</u>		<u>60</u>	<u>1372</u>	<u>372</u>	<u>1 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.							
2.	<u>12.360</u>		<u>5</u>	<u>.9815</u>	<u>.9191</u>	<u>1.000</u>	<u>897</u>
3.							
4.							
5.							

PRESSURE CALCULATIONS

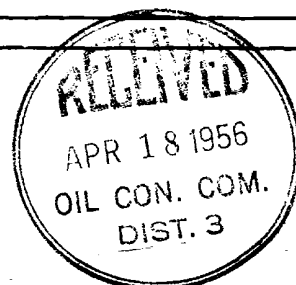
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1403 P_c² 1968.6

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>146.89</u>	<u>1968.6</u>		<u>1.06</u>
2.									
3.									
4.									
5.									

Absolute Potential: _____ MCFPD; n .75/ 1.0446

COMPANY PACIFIC NORTHWEST PIPELINE CORP.
ADDRESS 413 West Main Street, Huntington, New Mexico
AGENT and TITLE C. E. Singer - Gas Well Tester
WITNESSED _____
COMPANY _____

REMARKS



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received

3

DISTR. DIVISION

Expenditure

1/1/72

Region Code

1/1/72

C.O.D.

Transporter

File

1

1

1

✓

3 -----
1 - W.H. Johnston
1 - Foster
1 - Hallie
1 - Oatler

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wildcat Formation Permian County El Paso

Initial X Annual _____ Special _____ Date of Test 4-3-56

Company PACIFIC SOUTHERN PIPELINE CORP Lease INDIAN Well No. "J" #1

Unit X Sec. 36 Twp. 28N Rge. 3W Purchaser _____

Casing 2 1/8" Wt. _____ I.D. _____ Set at 500 Perf. 200 To 600

Tubing 2 1/8" Wt. _____ I.D. _____ Set at 600 Perf. _____ To _____

Gas Pay: From 200 To 600 L _____ xG .72 -GL _____ Bar. Press. 12 PSIA

Producing Thru: Casing X Tubing _____ Type Well Single

Single-Bradenhead-G. G. or G.O. Dual

Date of Completion: 3-10-56 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Start in 15 Days Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.			95		95	200		150		3 Hours
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.	12.5		100	1.000	1.000	1.000	127
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 1500 P_c 2000

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.									1.00
2.									
3.									
4.									
5.									

Absolute Potential: 795 MCFPD; n .75 = 1.000

COMPANY PACIFIC SOUTHERN PIPELINE CORPORATION

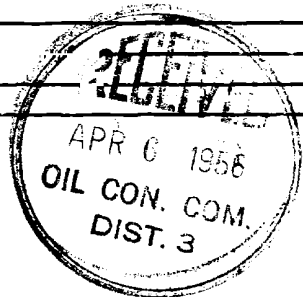
ADDRESS 115 West Main Street, Amarillo, New Mexico

AGENT and TITLE C. R. Wagner - Gas Well Tester

WITNESSED _____

COMPANY _____

REMARKS _____



OIL CONSERVATION

ALCO DISTRICT

Co. Code: 1-1-1-1

3

DIRECTION

NO.	NO.	NO.
1	1	1
2	1	1
3	1	1
4	1	1
5	1	1
6	1	1