

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Indian Basin Upper Penn. Gas			Formation Cisco			County Eddy		
Initial X		Annual		Special		Date of Test 6-20-65		
Company Standard Oil Company of Texas				Lease Bogle Flats Unit			Well No. 2	
Unit	Sec. 4	Twp. 22-S	Range 23-E		Purchaser Not Connected			
Casing 7	Wt.	I.D.	Set at 7692		Perf. 7039	To 7143		
Tubing 2 1/2	Wt.	I.D.	Set at 6936		Perf.	To		
Gas Pay:	From 7039	To 7143	L 7091	G	GL	Bar. Press. 13.2		
Producing Through:		Casing	Tubing XX		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion 6-15-65		Packer Baker Model D 6925'			Reservoir Temp. 132° @ 6920'			

OBSERVED DATA

JUL 12 1965

Tested Through: Prover ☐ Choke ☐ Meter ☐								Type of Taps Flange		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
Sl						2333	70	Packer		24 Hrs S.I.
1.	4.026	1.75	5.25	6.75	93	2166	76	Packer		1
2.	4.026	1.75	5.90	7.65	93	2092	77	Packer		1
3.	4.026	1.75	6.40	8.45	90	2012	78	Packer		1
4.	4.026	1.75	6.95	9.05	88	1913	79	Packer		1
5.										

1500# x 100" Meter

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	Sq Rt Chart XXXXX XXXXXXX	Meter XXXXX	Factor XXX	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15.025 psia
1.	19.27	35.44	3.8730		.9697	.9721	1.042	2.598
2.	19.27	45.14	3.8730		.9697	.9721	1.051	3.338
3.	19.27	54.08	3.8730		.9723	.9721	1.057	4.032
4.	19.27	62.90	3.8730		.9741	.9721	1.061	4.716
5.								

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio 87,405 cf/bbl.	Specific Gravity Separator Gas 0.635
Gravity of Liquid Hydrocarbons 60.8 deg.	Specific Gravity Flowing Fluid
F _c (1-e ^{-S})	P _c 2874.2 p _c ² 8261

Pressure Recorded w/Amerada RPG-3 Instrument Extrapolated to "L"

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.	2676.2					7162	1099		
2.	2591.2					6714	1547		
3.	2496.2					6231	2030		
4.	2391.2					5718	2543		
5.									

ABSOLUTE POTENTIAL: **10,750** MCFPD; n **.678**

COMPANY **West Texas Engineering Service, Inc.** WITNESSED **Delven Mermis**

ADDRESS **P. O. Box 4456 - Midland, Texas** COMPANY **Standard Oil Co. of Texas**

AGENT AND TITLE **J. N. Casparis,**
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