

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Ballard Formation Pictured Cliffs County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 6-23-65
Company Continental Oil Company Lease AXI Apache "A" Well No. 8
Unit B Sec. 10 Twp. 23N Rge. 5W Purchaser Southern Union Gas Company
Casing 4 1/2" Wt. 9.54 I.D. 4.090" Set at 2220' Perf. 2230' To 2236' (Open-hole)
Tubing 2 3/8" Wt. 4.74 I.D. 1.993" Set at _____ Perf. Open end To _____
Gas Pay: From 2207' To 2236' L 2207' xG .675 -GL 1490 Bar.Press. 12 psi
Producing Thru: Casing _____ Tubing X Type Well Single
Date of Completion: 6-21-65 Packer None Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) ~~XXXXXXXX~~ 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						489		489		SI 48 hrs.
1.	2"	5/16	441		69	441		431		1 hr.
2.	2"	1/2	320		68	320		397		1 hr.
3.	2"	5/8	227		67	227		367		1 hr.
4.	2"	7/8	126		66	126		335		1 hr.
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wPf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	2.1577		453	.9915	.9427	1.049	958
2.	5.5233		332	.9924	.9427	1.035	1776
3.	8.3555		239	.9933	.9427	1.023	1913
4.	16.7816		138	.9943	.9427	1.014	2201
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c P_w Measured (1-e^{-S})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid .675
P_c 501 P_c 251,001

No.	P _w	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.	463					214,369	36,632		92.4
2.	409					167,281	83,720		81.6
3.	379					143,641	107,360		75.6
4.	347					120,409	130,592		69.3
5.									

Absolute Potential: 3400 MCFPD; n .64

COMPANY Continental Oil Company
ADDRESS P. O. Box 3312, Durango, Colorado
AGENT and TITLE R. B. Errett, Test Engineer
WITNESSED Fred Van Matre, District Engineer
COMPANY Continental Oil Company

REMARKS

NMCC-Santa Fe (X) S.U.(2) HDM

