

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 "H" Well No. 15
Unit D Sec. 31 Twp. 24N Rge. 5W Purchaser Southern Union Gas Company
Casing 4 1/2" Wt. 9.34 I.D. 4.090" Set at 2350' Perf. 2142' To 2199'
Tubing 2 3/8" Wt. 4.74 I.D. 1.995" Set at 2220' Perf. Open end To _____
Gas Pay: From 2142' To 2199' L 2220' xG .680 -GL 1510 Bar.Press. 12 psi
Producing Thru: Casing _____ Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 6-7-65 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) XXXXXX XXXXXX 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						570		570		SI 384 hrs.
1.	2"	3/8	298		60°	298		358		1 hr.
2.	2"	7/16	234		60°	234		298		1 hr.
3.	2"	1/2	188		60°	188		251		1 hr.
4.	2"	5/8	125		60°	125		201		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.	3.0691		310	1.000	.9393	1.036	926
2.	4.3997		246	1.000	.9393	1.028	1045
3.	5.5233		200	1.000	.9393	1.022	1060
4.	8.3555		137	1.000	.9393	1.014	1090
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 .680
P_c 582 P_c² 388,724

No.	P _w <u>XXXXXX</u>	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.	370					136,900	251,824		63.6
2.	310					96,100	292,624		53.3
3.	263					69,169	319,555		45.2
4.	213					45,369	343,355		36.6
5.									

Absolute Potential: 1160 MCFPD; n .54

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

REMARKS

NMOC-Santa Fe(3) S.U.(2) NDM

