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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan
Initial X Annual _____ Special _____ Date of Test 7-25-61
(12E)
Company Tidewater Oil Company Lease N. Mex. Fed. Deep Unit 12 Well No. 1
Unit I Sec. 12 Twp. 29N Rge. 11W Purchaser El Paso Natural Gas Co.
Casing 1 1/2 Wt. 11.6 I.D. _____ Set at 6719 Perf. 6497 To 6616
Tubing 2-3/8 Wt. 4.7 I.D. _____ Set at 6463 Perf. _____ To _____
Gas Pay: From 6497 To 6616 L _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing _____ Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 7-3-61 Packer No Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) _____ Type Taps _____

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.	
SI						2095		2102		16 Day S.I.
1.	2"	3/4	295			295		934	82	3 hr.
2.										
3.										
4.										
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.	12.3650		307	.9795	.8944	1.037	3440
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 2114 P_c² 4469.0

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.						894.9	3574.1		.447
2.									
3.									
4.									
5.									

Absolute Potential: 4.077 MCFPD; n .75

COMPANY Tidewater Oil Company
ADDRESS Box 547, Hobbs, N. Mex.
AGENT and TITLE T. E. Weaver, Area Supt.
WITNESSED B. H. Keyes
COMPANY Gelectric, Inc., Box 842, Aztec, N. Mex.

REMARKS

* Assumed gravity of 0.75

THIS IS A NON-OFFICIAL INFORMATIVE TEST

