

MULTI-POINT BACK-PRESSURE TEST REPORT

Type Test: ☐ Initial ☐ Annual ☒ Special Test Date: 10-17-79
 Company: Energy Oil & Gas Corp. Connection: None
 Field: 1980 FSL 662.4 FE Location: 662.4 FE
 Completion Date: 2640 Plug Back TD: 2100 Elevation: 662.4 FE
 Csg. Size: 4 1/2" Wt. d Set At: 2401 Perforations: From 1767 To 1938
 Tbg. Size: 4 1/2" Wt. d Set At: Perforations: From To
 Type Completion (Describe): Single Packer Set At: None
 Producing Thru Casing L H Gg 1.5192 % CO2 % N2 % H2S
 State: New Mexico

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow, Hr.	
NO.	Prover Size XXXXXX	Choke Orifice Size	Press. psig	Diff. h _w	Temp. F	Press. psig	Temp. F	Press. psig		Temp. F
SI								21.4		72 hrs.
1.	2"CFP x 1/8		21.3		60			21.3	59	1 hr.
2.	2"CFP x 2/32		21.0		60			21.0	60	1 hr.
3.	2"CFP x 5/16		20.5		60			20.5	60	1 hr.
4.	2"CFP x 5/16		19.4		60			19.4	60	1 hr.
5.	2"CFP x 5/8		17.0		60			17.0	60	1 hr.

NO.	Coefficient (24-Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor, F _t	Gravity Factor, F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1.	0.2716		33.3	1.001	.8114	1.000	7
2.	0.8608		33.0	1.000	.8114	1.000	23
3.	1.714		32.5	1.000	.8114	1.000	45
4.	3.495		31.4	1.000	.8114	1.000	89
5.	6.638		29.0	1.000	.8114	1.000	156

NO.	P _r	Temp. R	T _r	Z
1.	.03	520	.95	1.000
2.	.03	520	.95	1.000
3.	.03	520	.95	1.000
4.	.03	520	.95	1.000
5.	.03	520	.95	1.000

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl
 API Gravity of Liquid Hydrocarbons _____ deg.
 Specific Gravity Separator Gas 1.519
 Specific Gravity Flowing Fluid _____
 Critical Pressure 1073 psia
 Critical Temperature 548 R

P_c 33.9 P_c² 1149

P_i _____ P_i² _____

NO.	P _i	P _i ²	P _c ² - P _i ²	P _w	P _w ²	P _c ² - P _w ²	P _s	P _s ²	P _i ² - P _s ²
1.					1108	40			
2.					1089	60			
3.					1056	93			
4.					986	163			
5.					841	308			

AOF 580 Mcfd
 n 1.000

Commissioned by: *Shurmond-McGlothlin, Inc.*
 Company: *Shurmond-McGlothlin, Inc.*
 Others: