

77-1-12-10
 007-0070
 DIVISION
 DATE

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 Reservoir: 662.4 FE Location: 662.4 FE

Completion Date: Total Depth: 2640 Plug Back TD: 2100 Elevation: Form or Lease Name: Sadler

Csg. Size: 4 1/2 Wt. d Set At: 2401 Perforations: From 1767 To 1938 Well No.: 1

Tbg. Size: Wt. d Set At: Perforations: From To Sec. 3 Twp - Blk 24N Rge - Sur 29E

Type Completion (Describe): Single Packer Set At: None County or Parish: Union

Producing Thru Casing L Reservoir Temp. F @ Mean Ground Temp. F Boro. Press. - P_a State: New Mexico

Prover: 2" CFP Water Run Taps

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow, Hr.	
NO.	Prover Size	Choke Orifice Size	Press. psig	Diff. h _w	Temp. F	Press. psig	Temp. F	Press. psig		Temp. F
1.	2" CFP x 1/8		21.3		60			21.4	59	72 hrs.
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 _f	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 x x x x x x x x x x

Specific Gravity Flowing Fluid x x x x x x

Critical Pressure 1073 psia psia

Critical Temperature 548 R R

P_c 33.9 P_c² 1149 P_f _____ P_f² _____

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 _f ² - P _s ²
1.					1108	40			
2.					1089	60			
3.					1056	93			
4.					986	163			
5.					841	308			

ADF 580 Mcfd

n 1.000

Commission _____

Company Shurmond-McGlothlin, Inc.

Others _____