

15-189-21497-0000 *HP*

STATE OF KANSAS CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division  
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE:  
 Company: Mesa Ltd. Partnership Lease: Morehead Well No.: 1-13  
 County: Stevens Location: 4772' FEL-510' FSL Section: 13 Township: 31S Range: 35W Acres:  
 Field: Lahey Reservoir: Chester Pipeline Connection: NA  
 Completion Date: 8-9-91 Type Completion (Describe): Perf Plug Back T.D.: 5665 Packer Set At: NA  
 Production Method: Flowing (Pumping) Type Fluid Production: Oil-Water API Gravity of Liquid/Oil: 45.1  
 Casing Size: 5 1/2" Weight: 15.5 I.D.: I.D. Set At: 5899' Perforations: 5544'-5550' & 5560'-5592' To:  
 Tubing Size: 2 3/8" Weight: 14.7 I.D.: I.D. Set At: 5608' Perforations: To

Pretest: Starting Date 9-9-91 Time 2:34 Ending Date 9/10/91 Time 2:30 Duration Hrs. 2.1  
 Test: Starting Date 9/10/91 Time 2:39 AM Ending Date 9/11/91 Time 2:39 P Duration Hrs. 2.4

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure				Separator Pressure				Choke Size	
Casing: <u>70#</u> Tubing: <u>70#</u>				<u>70</u>				<u>0</u>	
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	<u>910 3927</u>	<u>1</u>	<u>3</u>	<u>17.4</u>	<u>8</u>	<u>8</u>	<u>121.0</u>	<u>58</u>	<u>103.6</u>
Test:	<u>210 3929</u>	<u>2</u>	<u>10</u>	<u>40.0</u>	<u>11</u>	<u>4</u>	<u>173.0</u>	<u>60</u>	<u>133.0</u>
Test:									

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range			
Pipe Taps:		Flange Taps:		Differential:		Static Pressure:	
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester In. Water	Pressure In. Merc.	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter							
Critical Flow Prover							
Orifice Well Tester	<u>2"</u>	<u>.250</u>					

GAS FLOW RATE CALCULATIONS (R)

Coëff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
	<u>30#</u>		<u>?</u>	<u>0</u>	<u>0</u>	<u>0</u>

Gas Prod. MCFD: 61.9 Oil Prod. Bbls./Day: 133.0 Gas/Oil Ratio (GOR) = 465 Cubic Ft. per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 11th day of Sept 19 91

SEP 17 1991  
 For Offset Operator: J. Ambloch For State: B. Clark For Company:

9-17-91