

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

Conservation Division Form C-5 Revised

TYPE TEST: Initial Annual  Workover  Reclassification  TEST DATE: July 14, 1986

Company Black Energy Co Lease Blackenna Well No. 1

County Kingman Location C. N.W. NE<sup>1/4</sup> Section 88 Township 7W Range 7W Acres 1

Field Reservoir Reservoir Miss Pipeline Connection Keok

Completion Date Miss Type Completion (Describe) Single Plug Back T.D. Keok Packer Set At Keok

Production Method: Single Type Fluid Production Oil Water API Gravity of Liquid/Oil 32.80

Flowing  Pumping  Gas Lift  Casing Size 4 1/2 Weight 9.5 I.D. I.D. Set At Set At Perforations 2052 To 2280

Tubing Size 2 3/8 Weight 4.7 I.D. I.D. Set At Set At Perforations 2052 To 2280

Pretest: Starting Date July 14-86 Time 8:00 Ending Date July 15-86 Time 8:00 Duration Hrs. 24

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OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure		Choke Size			
Casing:	Tubing:						
Bbls./In.	Tank	Starting Gauge		Ending Gauge		Net Prod. Bbls.	
	Size Number	Feet	Inches	Feet	Inches	Water	Oil
Pretest:	<u>100</u>	<u>6</u>	<u>-</u>	<u>2</u>	<u>4</u>	<u>188</u>	<u>6.66</u>
Test:							
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 Pressure	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
		In. Water	In. Merc. Psig or (Pd)			
Orifice Meter						
Critical Flow Prover						
Orifice Well Tester						

GAS FLOW RATE CALCULATIONS (R)

Coeff. (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)

Gas Prod. MCFD 6.66 Oil Prod. Bbls./Day: 6.66 Gas/Oil Ratio (GOR) = 6.66 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 15 day of July 1986

RECEIVED  
 For Operator St. O. Sun For State Will Short For Company

MAR 30 1987