

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-109-20491-0000

Form C-5 Revised

Conservation Division

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE: 2-8-91
 Lease Well No. 1
 Company A.L. ABERCROMBIE INC. DEL HUBERT EOR.
 County Logan Location NW NW SE Section 29 Township 11 Range 33 W Acres
 Field HUBERT Reservoir LKC Pipeline Connection KOCH
 Completion Date 12-14-90 Type Completion(Describe) 4386 Plug Back T.D. Packer Set At
 Production Method: SPM 9 LS 44 Type Fluid Production Oil API Gravity of Liquid/Oil 42 @ 60°
 Flowing (Pumping) Gas Lift
 Casing Size 4 1/2 Weight I.D. Set At Perforations To 4415 4241 - 44
 Tubing Size 2 3/8 Weight I.D. Set At Perforations To 4378

Pretest: Duration Hrs.
 Starting Date Time Ending Date Time
 Test: Duration Hrs.
 Starting Date 2-7-91 Time 1:00 Pm Ending Date 2-8-91 Time 1:00 Pm 24

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:						
Test:	<u>200 NORTH TANK</u>	<u>2</u>	<u>7</u>	<u>3</u>	<u>5</u>	<u>17</u>
Test:	<u>200 H2O</u>	<u>7</u>	<u>4</u>	<u>7</u>	<u>9</u>	<u>9</u>

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. MCFD (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 Flow Rate (R): Oil Prod. Bbls./Day: Gas/Oil Ratio (GOR) = 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 8 day of FEB 1991

For Offset Operator Marvin D. Miller For State B. E. Bowler For Company