

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

15-175-21256-0900

Form C-5 Revised

Conservation Division  
 TYPE TEST: Initial XX Annual Workover Reclassification TEST DATE: 10-26-92  
 Company Charter Production Co. Lease Good Well No. A-2  
 County Seward Location Location Section 20 Township 34S Range 31W Acres  
 Field Reservoir Pennsylvania Pipeline Connection None  
 Completion Date 7-30-92 Type Completion(Describe) Oil well Plug Back T.D. 5063 Packer Set At  
 Production Method: Type Fluid Production API Gravity of Liquid/Oil  
 Flowing Pumping XX Gas Lift Oil & formation water 40.7 @ 62 = 40.6  
 Casing Size Weight I.D. Set At Perforations To  
 5 1/2 5112 4905-4906/4892-4894/4860-4864/4800-4801  
 Tubing Size Weight I.D. Set At Perforations To  
 2 7/8 4872  
 Pretest: Starting Date 10-23-92 Time 10:00 AM Ending Date 10-25-92 Time 10:00 AM Duration Hrs. 48  
 Test: Starting Date 10-25-92 Time 10:00 AM Ending Date 10-26-92 Time 10:00 AM Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size				
Casing:	40	Tubing: Pump	25			Wide open				
Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	310	19028	3	2	63.84	8	5	169.68	40	105.84
Test:	310	19028	8	5	169.68	14	1	283.92	56	114.24
Test:	316	19029	5	4	107.52	11	0	221.76	64	114.24

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. Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice meter							
Critical Flow Prover							
Orifice Well Tester	2"	.125		2			

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (OWTC)	Meter-Prover Press. (Psia) (Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
3.92						

Gas Prod. MCFD 3.92 Oil Prod. Bbls./Day 114.24 Gas/Oil Ratio (GOR) = .034 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 30th day of October 1992

HOSCO TESTING & MEASUREMENT

For Offset Operator For State For Company RECEIVED CORPORATION COMMISSION

NOV 17 1992

