

15-877-2081-0000

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company Lease Well No.

GRAVES DRILLING CO., INC. Helen #1
 County Location Section Township Range Acres

Harper S $\frac{1}{2}$ S $\frac{1}{2}$ S $\frac{1}{2}$ 4-32S-9W 140

Field Reservoir Pipeline Connection
 Spivey-Grabs Mississippian OXY USA

Completion Date Type Completion (Describe) Plug Back T.D. Packer Set At
 8-13-82 Single none

Production Method: Type Fluid Production API Gravity of Liquid/Oil

Flowing Pumping x Gas Lift Oil & Water 25.1
 Casing Size Weight I.D. Set At Perforations To

5 $\frac{1}{2}$ 15 $\frac{1}{2}$ 4366' 4312' to 4332'
 Tubing Size Weight I.D. Set At Perforations To

2 $\frac{1}{2}$ 4334' none

Pretest: Starting Date 5-10 Time 8:00 Ending Date 5-11 Time 8:00 Duration Hrs. 24

Test: Starting Date 5-11 Time 8:00 Ending Date 5-12 Time 8:00 Duration Hrs. 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	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	200	126228	3	6	69.84	3	7	71.50	80	1.66
Test:	200	126228	3	7	71.50	3	8	73.16	80	1.66
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.	Gravity	Flowing Temp.	
			In. Water	In. Merc.	Psig or (Pd)	(hw) or (hd)	Gas (Gg)	(t)
Orifice Meter		5/8"					.663	
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Gcoeff. MCFD (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psla)(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): 46 Oil Prod. Bbls./Day: 1.66 Gas/Oil Ratio (GOR) = 27,544 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 _____ day of June 1990

For Offset Operator *[Signature]* For State Kansas For Company *[Signature]* Graves Drilling Co., Inc.