

STATE OF KANSAS - CORPORATION COMMISSION 15-077-20821-0000  
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company GRAVES DRILLING CO., INC. Lease Helen #1 Well No.

County Harper Location S $\frac{1}{2}$  S $\frac{1}{2}$  S $\frac{1}{2}$  Section Township Range Acres  
 4-32S-9W 140

Field Spivey-Grabs(Non Prorated) Reservoir Mississippian Pipeline Connection TRIDENT/NCRA

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

Production Method: Type Fluid Production API Gravity of Liquid/Oil  
 Flowing Pumping x Gas Lift Oil & Water 25.1

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

Tubing Size 2 1/2" Weight I.D. Set At Perforations To

Pretest: Starting Date 5-05-94 Time 8:00 a Ending Date 5-06-94 Time 8:00 a Duration Hrs. 24

Test: Starting Date 5-06-94 Time 8:00 a Ending Date 5-07-94 Time 8:00 a Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size				
Casing:	Tubing:									
Ubls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.		
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	200	126229	2	11	58.26	2	11 $\frac{1}{2}$	59.09	80	.83
Test:	200	126229	2	11 $\frac{1}{2}$	59.09	3	0	59.92	80	.83
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
			In.Water	In.Merc.	Psig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)
Orifice Meter		5/8"					.662	
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)
	21		.83			
Gas Prod. MCFD Flow Rate (R):		Oil Prod. Bbls./Day:		Gas/Oil Ratio (GOR) =	25,301	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 7th day of May 19 94

RECEIVED

For Offset Operator

JUN 07 1994 For State

Graves Drilling Co., Inc.

For Company

6-7-94  
 CONSERVATION DIVISION  
 WICHITA, KS

Form C-5 (5/88)