

15-077-20821-0000

STATE OF KANSAS - CORPORATION COMMISSION  
PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual Workover		Reclassification		TEST DATE: 9/13/97	
Company: GRAVES DRILLING CO., INC.		Lease: HELEN		Well No.: #1	
County: Harper	Location: S/2 S/2 S/2	Section: 4-32S-9W	Township:	Range:	Acres: 140
Field: Spivey Grab (NON PROF)	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: Pumping: X Gas Lift:	Type Fluid Production: Oil & Water	API Gravity		of Liquid/Oil: 25.1	
Casing Size: 5 1/2	Weight: 15 1/2	I.D.:	Set At: 4366'	Perforations: 4312' TO 4332'	To:
Tubing Size: 2 1/2"	Weight:	I.D.:	Set At:	Perforations:	To:

Pretest:						Duration hrs.:
Starting Date: 9/11/97	Time: 11:30 a	Ending Date: 9/12/97	Time: 11:30 a			24
Test:						Duration hrs.:
Starting Date: 9/12/97	Time: 11:30 a	Ending Date: 9/13/97	Time: 11:30 a			24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure				Separator Pressure			Choke Size								
Casing:		Tubing:		Starting		Gauge		Ending		Gauge		NET		NET BBLs.	
Bbls./In.	TANK size	TANK number	Feet	In.	Barrels	Feet	In.	Barrels	Water	Oil					
Pretest:	200	126228	2	2	43.16	2	2.5	43.99	80	0.83					
Test:	200	126228	2	2.5	43.99	2	3.5	45.65	80	1.66					
Test:															

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections		Orifice Meter Range				Static Pressure: 33 psi			
Pipe Taps:		Flange Taps:		Differential: 4"					
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	2"	.500	4"		33	4"	0.662	90	
Critical Flow Prover									
Orifice Well Tester									

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prov. Press. (Psia)	Extension ' hwx Pm	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fp)	Chart Factor (Fd)
1.219	47.4	13.769	1.229	.9723	.973	1.0
Gas Prod. MCFD	Oil Prod. Flow Rate (R):	19 Bbls./Day	1.67	Gas/Oil Ratio (GOR) -	11,377	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 22nd day of September, 1997

For Offse Operator For State

Graves Drilling Co., Inc.  
For Company

Form C-5 (5/88)

RECEIVED  
KANSAS CORP COMM  
7-30-97  
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