

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-877-2157-0000

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company: GRAVES DRILLING CO., INC. Lease: Simson #2 Well No.:

County: Harper Location: N $\frac{1}{2}$ NW SE Section: Township: 4-32S-9W Range: Acres: 60

Field: Spivey-Grabs Reservoir: Mississippian Pipeline Connection: OXY USA

Completion Date: 8-10-87 Type Completion(Describe): Single Plug Back T.D. Packer Set At:

Production Method: Flowing Pumping x Gas Lift Type Fluid Production: Oil & Water API Gravity of Liquid/Oil: 27

Casing Size: 5 $\frac{1}{2}$ Weight: 15 $\frac{1}{2}$ I.D.: 4336' Set At Perforations To

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

Pretest: Starting Date 5-18-91 Time 8:00 a Ending Date 5-19-91 Time 8:00 a Duration Hrs. 24

Test: Starting Date 5-19-91 Time 8:00 a Ending Date 5-20-91 Time 8:00 a 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 47515	4	8	93.51	4	9	95.18	40	1.67
Test:	200 47515	4	9	95.18	4	10 3/4	98.09	40	2.91
Test:									

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range				Static Pressure:	
Pipe Taps:	Flange Taps:	Differential:	Meter-Tester Pressure		Diff. Press.	Gravity	Flowing	
Measuring Device	Run-Prover-Tester Size	Orifice Size	In. Water	In. Merc.	Psig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)
Orifice Meter		3/4"					.666	
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. (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)
	50		2.91		17,182	

Gas Prod. MCFD: 50 Oil Prod. Bbls./Day: 2.91 Gas/Oil Ratio (GOR) = 17,182 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 20th day of May 1991

For Offset Operator

For State: Kansas
 For Company: *Map of Hutchidge* Graves Drilling Co., Inc.

Form C-5 (5/88)

JUN 27 1991
 6-27-91
 CONSERVATION DIVISION
 Wichita, Kansas

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

OPERATOR _____ LOCATION OF WELL _____
 LEASE _____ OF SEC. T R _____
 WELL NO. _____ COUNTY _____
 FIELD _____ PRODUCING FORMATION _____
 Date Taken _____ Date Effective _____
 Well Depth _____ Top Prod. Form _____ Perfs _____
 Casing: Size _____ Wt. _____ Depth _____ Acid _____
 Tubing: Size _____ Depth of Perfs _____ Gravity _____
 Pump: Type _____ Bore _____ Purchaser _____
 Well Status _____
 Pumping, flowing, etc.

TEST DATA

Permanent _____ Field _____ Special _____
 Flowing _____ Swabbing _____ Pumping _____

STATUS BEFORE TEST:

PRODUCED _____ HOURS
 SHUT IN _____ HOURS
 DURATION OF TEST _____ HOURS _____ MINUTES _____ SECONDS
 GAUGES: WATER _____ INCHES _____ PERCENTAGE
 OIL _____ INCHES _____ PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) _____
 WATER PRODUCTION RATE (BARRELS PER DAY) _____
 OIL PRODUCTION RATE (BARRELS PER DAY) _____ PRODUCTIVITY _____
 STROKES PER MINUTE _____
 LENGTH OF STROKE _____ INCHES
 REGULAR PRODUCING SCHEDULE _____ HOURS PER DAY.

COMMENTS _____

WITNESSES:

FOR STATE _____ FOR OPERATOR _____ FOR OFFSET _____