

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-155-2111-00-00

Conservation Division Form C-5 Revised

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE: 6-7-89
 Company: Ramco Drilling Services Lease: McWin Mine
 Well No.: #1
 County: Reno Location: SW/4 Section: 33 Township: 25 Range: 8W Acres: 80
 Field: Arledo Reservoir: Miss Pipeline Connection: Texacoit
 Completion Date: 8-19-88 Type Completion (Describe): Plug Back T.D.: 3989 Packer Set At: N/A
 Production Method: Pumping Type Fluid Production: Oil API Gravity of Liquid/Oil: 42
 Flowing Casing Size: 3/2 Weight: 15.5 I.D.: Set At: 4032 Perforations: To: 30
 Tubing Size: 2 3/8 Weight: 4.7 I.D.: Set At: 3870 Perforations: To:

Pretest: Starting Date: Ending Date: Duration Hrs.:
 Test: Starting Date: 6-7-89 Time: 9:30 Ending Date: 6-8-89 Time: 9:30 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	Feet	Inches	Water	Oil
Pretest:							
Test:	200 27036	3'	-	60 3'	6"	70	23 10
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 In. Water	Tester Pressure In. Merc.	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter							
Critical Flow Prover							
Orifice Well Tester							

LEASE ONLY JUN 15 1989 6-15-89

GAS FLOW RATE CALCULATIONS (R)

Coeff. (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)

Gas Prod. MCFD: Oil Prod. Bbls./Day: Gas/Oil Ratio (GOR) = 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 June 1989

For Offset Operator: For State: For Company:

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 _____