STATE OF KANSAS - CORPORATION COMMISSION PRODUCTION TEST & GOR REPORT

Conservation Division TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE: No. 23, 1999 Company Hog for Energy Location NW 4 33 43 Field Reservoir Completion Date Type Completion(Describe) Froduction Method: Flowing Pumping Cas Lift Casing Size Weight 1.D. Set At Perforations To 5/2 1/5/5 Tubing Size Weight 1.D. Set At Perforations To 1/960 Treest: Starting Date 1/2/9/ Time Time					
Hughton Energy County County No polon No glangs Reservoir Mostangs West Completion Date 33 43 Field Reservoir Mostangs West Completion Date 3-5-9+ Production Method: Flowing Pumping Gas Lift Casing Size Weight Type Fluid Production Set At Perforations 5073 Tubing Size Weight I.D. Set At Perforations To 4700 Open and sloted Pretest: Starting Date 1-2-9+ Time Time Time Time Time To Type Finding Date To To Type Test: Starting Date To To To To To To To To Time To To To To To To To To To T					
Field Reservoir Pipeline Connection Mustangs west Completion Date Type Completion (Describe) Plug Back T.D. Packer Set At 3-5-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7					
Field Reservoir Pipeline Connection Mustangs west Completion Date Type Completion (Describe) Plug Back T.D. Packer Set At 3-5-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7					
Reservoir Pipeline Connection Mostangs west Kexes					
Completion Date Type Completion (Describe) Plug Back T.D. Packer Set At 3 - 5 - 9 + 5, kg/e 5073 Production Method: Type Fluid Production API Gravity of Liquid/Oil Flowing Pumping Gas Lift O. W. W. F. T.D. Set At Perforations To 5 / 2 / 5 5 5073 + 955 4960 Tubing Size Weight I.D. Set At Perforations To 4960 Tubing Size Weight I.D. Set At Perforations To 4960 Pretest: Starting Date //-21-9 Time // 30 Ending Date //-23-9 Time // 30 Duration Hrs. Starting Date //-23-9 Time // 30 Ending Date //-23-9 Time // 30 24					
Completion Date Type Completion (Describe) Plug Back T.D. Packer Set At 3 - 5 - 9 + 5, kg/e 5073 Production Method: Type Fluid Production API Gravity of Liquid/Oil Flowing Pumping Gas Lift O. W. W. F. T.D. Set At Perforations To 5 / 2 / 5 5 5073 + 955 4960 Tubing Size Weight I.D. Set At Perforations To 4960 Tubing Size Weight I.D. Set At Perforations To 4960 Pretest: Starting Date //-21-9 Time // 30 Ending Date //-23-9 Time // 30 Duration Hrs. Starting Date //-23-9 Time // 30 Ending Date //-23-9 Time // 30 24					
Production Method: Type Fluid Production API Gravity of Liquid/Oil Flowing Pumping Gas Lift O 1 4 4 5 5 Set At Perforations To 5 1/2					
Casing Size Weight I.D. Set At Perforations To 5/2 /55 5073 4955 4960 Tubing Size Weight I.D. Set At Perforations To 4700 0 per end stoted Pretest: Starting Date //-2/-9/ Time /0:30 Ending Date //-23-9/ Time /030 24 Starting Date //-22-9/ Time /0:30 Ending Date //-23-9/ Time /030 24					
Tubing Size Weight I.D. Set At Perforations To 4700 OFF END STOTED Pretest: Starting Date //-2/-94 Time /0:30 Ending Date //-23-94 Time /0:30 Duration Hrs. Starting Date //-22-94 Time /0:30 Ending Date //-23-94 Time /0:30 24					
2 3/8 Pretest: Starting Date //-21-94 Time //):30 Ending Date //-23-94 Time /// 22-94 Time /// 30 Ending Date //-23-94 Time /// 22-94 Time /// 30 Ending Date //-23-94 Time /// 24					
Pretest: Starting Date //-2/-94 Time /0:30 Ending Date //-32-94 Time /030 Duration Hrs. Test: Starting Date //-22-94 Time /0:30 Ending Date //-23-94 Time /030 24					
Starting Date //-2/-99 Time /// 30 Ending Date //-3/-99 Time /// 30 Ending Date //-23-94 Time Duration Hrs. Starting Date //-23-94 Time ///-23 Ending Date //-23-94 Time ///-23 24					
Test: Starting Date 11.22-94 Time 18.30 Ending Date 11-23-94 Time 1030 24					
OTI PRODUCTION OBSTRUED DATA					
OID INCOCUTION OBCLINATION DATA					
Producing Wellhead Pressure Separator Pressure Choke Size					
Casing: 35 Tubing: 35 35					
Bbls./In. Tank Starting Gauge Ending Gauge Net Prod. Bbls.					
Size Number Feet Inches Barrels Feet Inches Barrels Water Oil					
Pretest: 250 234169 4 8 93.52 7 7 3/4 15320 13.24 59.70					
Test:					
Test: 7 7 3/4 153.22 10 8 12 5 13.0 6/37					
GAS PRODUCTION OBSERVED DATA					
Orifice Meter Connections Orifice Meter Range					
Pipe Taps: Flange Taps: Differential: Static Pressure:					
Measuring Run Prover Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing					
Device Tester Size Size In. Water In. Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice					
Meter 700 60					
Critical Flow Prover					
Orifice Well Tester 2 1/4 3-0					
GAS FLOW RATE CALCULATIONS (R)					
Coeff. MCFD Meter-Prover Extension Gravity Flowing Temp. Deviation Chart					
(Fb)(Fp)(OWTC) Press.(Psia)(Pm) Vhw x Pm Factor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd)					
3.0 9258 /004					
Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft.					
Flow Rate (R): $/4.535$ Bbls./Day: $6/.37$ (GOR) = 936 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 23 day of Nov. 1994					
Herry H. Kailous) have Z					
For Offset Operator For State For Company					
For Offset Operator For State For State For Company When Treates domps.					
under Toerton domps.					

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST BARREL TEST

OPERATOR	LOCATION OF WELL				
LEASE		<u>.</u>	OF SEC	TR	
WELL NO	COUNTY				
FIELD	PRC	DUCING FORMAT	ION	·	
Oate Taken					
Well Depth	Top Prod.	Form	Perfs_		
Cásing: Size	Wt	Wt Depth_		Acid	
Tubing: Size	Depth of	_ Depth of Perfs		Gravity	
Pump: Type	Bore		Purcha	Purchaser	
Well Status Pumping, flow			IEST DATA	•	
	•			Special	
STATUS BEFORE TEST:		Flowing	Swabbing	Pumping	
PRODUCED	HOUR	S			
SHUT IN	HOUR	s	•		
DURATION OF TEST	HOURS		MINUTES	SECONDS	
GAUGES: WATER	INCH	ES	PERCENTAGE		
01L	INCH	ES	PERCENTAGE		
GROSS FLUID PRODUCTION R	ATE (BARRELS	PER DAY)			
WATER PRODUCTION RATE (8	ARRELS PER D	AY)			
OIL PRODUCTION RATE (BAR	RELS PER DAY)		PRODUCTIVITY	
STROKES PER MINUTE	·				
LENGTH OF STROKE	 	_I NCHES			
REGULAR PRODUCING SCHEDU	LE	HOURS	PER DAY.		
COMMENTS					
	·				
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WITHESSES:					
END STATE		END NOED LTOD			