

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division  
 TYPE TEST: Initial  Annual  Workover  Reclassification  TEST DATE: 9-1-83  
 Company: Lexas Energies Lease: Morrow Well No.: 1  
 County: Harper Location: C-N/2-NW Section: 34 Township: 33 Range: 8 Acres: 8  
 Field: KASTENS Reservoir: MISS Pipeline Connection: Koch  
 Completion Date: 8-07-83 Type Completion(Describe): MISS Plug Back T.D.: MISS Packer Set At: MISS  
 Production Method: Flowing Type Fluid Production: Oil API Gravity of Liquid/Oil: MISS  
 Casing Size: 4 1/2 Weight: 10.5 I.D.: MISS Set At: 4746 Perforations: 4666 - 4670 To: MISS  
 Tubing Size: 2 3/8 Weight: 4.7 I.D.: 2 Set At: 4713 Perforations: MISS To: MISS

Pretest: Starting Date: 8-31-83 Time: MISS Ending Date: 9-1-83 Time: MISS 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:										
Test:	250	3070							33	64
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								
Critical Flow Prover	Gas being vented - To be tested							
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coef. (Fb)	MCFD (Fp)	Meter-Prover Press. (Psa)	Extension (Pm)	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
(Fb)	(Fp)	(OWTC)	(Pm)	√hw x Pm			

Gas Prod. MCFD: MISS Oil Prod. Bbls./Day: 64 Gas/Oil Ratio (GOR) = MISS Cubic Ft. per Bbl. = MISS

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 1 day of 9 1983

STATE OF KANSAS  
 For Offset Operator: DEC 14 1983  
 For State: Stem Va Gieson  
 For Company: Richard Harper

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

TECH. FILE

Form C-5 Revised

Conservation Division

TYPE TEST: Initial  Annual  Workover  Reclassification  TEST DATE: 9-1-83

Company Texas Energies Lease Morrow Well No. 1

County Harper Location C-N/2-NW Section 34 Township 33 Range 8 Acres

Field Harper Reservoir MISS Pipeline Connection Koch

Completion Date 8-07-83 Type Completion(Describe) MISS Plug Back T.D. Koch Packer Set At

Production Method: Flowing Pumping  Gas Lift Type Fluid Production Oil API Gravity of Liquid/Oil

Casing Size 4 1/2 Weight 10.5 I.D. 4746 Set At 4666 - 4670 Perforations To

Tubing Size 2 3/8 Weight 4.7 I.D. 2 Set At 4713 Perforations To

Pretest: Starting Date 8-31-83 Time 9-1-83 Ending Date 9-1-83 Time 24 Duration Hrs. 24

Test: Starting Date 8-31-83 Time 9-1-83 Ending Date 9-1-83 Time 24 Duration Hrs. 24

CIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure 250 Separator Pressure 3070 Choke Size 33

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	<u>250</u>	<u>3070</u>							<u>33</u>	<u>64</u>
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 In.Water	Pressure In.Merc.	Tester Pressure Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter								
Critical Flow Prover	<u>Gas being vented - To be tested</u>							
Orifice Well Tester								

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 64 Oil Prod. 64 Gas/Oil Ratio (GOR) = 1 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 1 day of 9 1983

For Offset Operator Steve Va. Gleser For State Richard Harper For Company

STATE OF KANSAS - CORPORATION COMMISSION  
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Form C-5 Revised

Conservation Division

TYPE TEST: Initial  Annual  Workover  Reclassification  TEST DATE: 9-1-83

Company: Texas Energias Lease: Morrow Well No. 1

County: Harper Location: C-N/2-NW Section: 34 Township: 33 Range: 8 Acres: 8

Field: Harper Reservoir: MISS Pipeline Connection: Koch

Completion Date: 8-07-83 Type Completion(Describe): Plug Back T.D. Packer: Set At

Production Method: Flowing  Pumping  Gas Lift  Type Fluid Production: Oil API Gravity of Liquid/Oil: 4666 - 4670

Casing Size: 4 1/2 Weight: 10.5 I.D.: 2 Set At Perforations: 4746 To: 4713

Tubing Size: 2 3/8 Weight: 4.7 I.D.: 2 Set At Perforations: 4666 - 4670 To: 4713

Pretest: Starting Date 8-31-83 Time: Ending Date 9-1-83 Time: Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure			Choke Size				
Casing:	Tubing:								
Bbls./In.	Tank Size Number	Starting Gauge Feet	Inches	Barrels	Ending Gauge Feet	Inches	Barrels	Net Prod. Bbls.	
								Water	Oil
Pretest:									
Test:	250 3070							33	64
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 In. Merc.	Pressure Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter								
Critical Flow Prover	Gas being vented - To be tested							
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)	MCFD (Fp)	OWTC	Meter-Prover Press. (Psia)	Extension (Pm)	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
				$\sqrt{hw \times Pm}$				
Gas Prod. MCFD Flow Rate (R):			Oil Prod. Bbls./Day: 64		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 1 day of 9 1983

For Offset Operator

For State

For Company

*Steve Va. Gieson* *Richard Harper*