

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

AUG 1 1987

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company Timberline Oil & Gas Corporation Lease Knop A Well No. 3

County Pratt Location SWNW SW Section 21 Township 26S Range 12W Acres 320

Field Iuka Carmi? Reservoir Mississippi Pipeline Connection Panhandle Eastern

Completion Date 7/21/86 Type Completion (Describe) Perf, acid, frac Plug Back T.D. 4225' Packer Set At —

Production Method: Flowing Type Fluid Production Oil, Water, Gas API Gravity of Liquid/Oil 40.6

Casing Size 5 1/2" Weight 14# I.D. 5.0 Set At 4246' Perforations 4110-34 To —

Tubing Size 2 7/8" Weight 6.5# I.D. 1.994 Set At 4185' Perforations — To —

Pretest: Starting Date 7-27-87 Time 10:30 Ending Date 7-28-87 Time 10:30 Duration Hrs. 24

Test: Starting Date 7-27-87 Time 10:30 Ending Date 7-28-87 Time 10:30 Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure — Separator Pressure — Choke Size —

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	<u>200</u>	<u>25271</u>	<u>3</u>	<u>6</u>	<u>70</u>	<u>3</u>	<u>11 1/4</u>	<u>79</u>	<u>—</u>	<u>9</u>
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections Flange Taps: Orifice Meter Range Differential: Static Pressure: —

Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure			Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
			In. Water	In. Merc.	Psig or (Pd)			
Orifice Meter	<u>3"</u>	<u>3/4</u>		<u>1"</u>		<u>60</u>		<u>—</u>
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

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

Gas Prod. MCFD — Oil Prod. — 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 28th day of July 1987

For Offset Operator Jack P. [Signature] For State [Signature] For Company [Signature]
 AUG 4 1987
 CONSERVATION DIVISION
 Wichita, Kansas

15-151-21794-0000

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Company Timberline Oil & Gas Corporation Lease Knop A Well No. 3

County Pratt Location SWNW SW Section 21 Township 26S Range 12W Acres 320

Field Iuka Carmi? Reservoir Mississippi Pipeline Connection Panhandle Eastern

Completion Date 7/21/86 Type Completion (Describe) Perf, acid, frac Plug Back T.D. 4225' Packer Set At —

Production Method: Flowing Pumping Gas Lift Type Fluid Production Oil, Water, Gas API Gravity of Liquid/Oil 40.6

Casing Size 5 1/2" Weight 14# I.D. 5.0 Set At 4246' Perforations 4110-34 To —

Tubing Size 2 7/8" Weight 6.5# I.D. 1.994 Set At 4185' Perforations — To —

Pretest: Starting Date 7/22/87 Time 10:30 am Ending Date 7/28/87 Time 10:30 am Duration Hrs. 24

Test: Starting Date 7/22/87 Time 10:30 am Ending Date 7/28/87 Time 10:30 am Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure 200 Separator Pressure 78.75 Choke Size 1 1/4"

Bbls./In.	Casing:		Tubing:			Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil			
Pretest:													
Test:	200	25271	3	6	70.0	3	1 1/4"	78.75	1.5	8.75			
Test:													

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections Flange Taps Orifice Meter Range 50" Static Pressure: 1000#

Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure			Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
			In. Water	In. Merc.	Psig or (Pd)			
Orifice Meter		3/4	1"			60#		
Critical Flow Prover								
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 27 Oil Prod. Bbls./Day: 8.75 Gas/Oil Ratio (GOR) = 3085 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 3rd day of August 1987

For Offset Operator [Signature] For State [Signature] For Company [Signature]
 AUG 11 1987