



May 1, 1984

State Corporation Commission
Conservation Division
200 Colorado Derby Building
202 West 1st Street
Wichita, Kansas 67202-1286

Attention: Tom Leiker

Re: EMERICK "B" No.1
BURKHALL "A" No.1
Wilmore Field
Comanche County, Kansas

Dear Mr. Leiker:

Attached please find the state supervised well tests we were to submit per our letter to you dated March 30, 1984.

Very truly yours,

Paul Campbell
Division Operations Manager
TLH/bw

Attachments

RECEIVED
STATE CORPORATION COMMISSION

MAY 04 1984

CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Conservation Division Form C-5 Revised
 TYPE TEST: Initial Annual / Workover Reclassification TEST DATE: 2/12/84
 Company: Aradarko Production Co Lease Burkhall Well No. 1
 County: Comanche Location 660'FWL & 760FNL Section 30 Township 31S Range 17W Acres
 Field: Wilmore Reservoir Mississippi Pipeline Connection Oil-Derby / Gas-KGS
 Completion Date: 3-11-74 Type Completion (Describe): Single Oil Plug Back T.D.: 5131' Packer Set At
 Production Method: Flowing Type Fluid Production Oil-Water-Gas API Gravity of Liquid/Oil 34.0
 Casing Size: 4.5" Weight 10.5# I.D. 4.052" Set At 5138' Perforations 5079 - 5100 Overall
 Tubing Size: 2 3/8 Weight 4.7# I.D. 1.995" Set At 5119' Perforations

Pretest: Starting Date 2/12/84 Time 10:00 AM Ending Date 2/13/84 Time 10:00 Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size				
Casing:	<u>20</u>	Tubing:	<u>20</u>	<u>20</u>		<u>Pumping</u>				
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.		
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
<u>1.67</u>										
Pretest:										
Test:	<u>300</u>	<u>19194</u>	<u>13</u>	<u>11 1/2</u>	<u>279.73</u>	<u>14</u>	<u>3</u>	<u>285.57</u>	<u>1.5</u>	<u>5.8</u>
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range					
Pipe Taps:	Flange Taps: <u>X</u>			Differential: <u>50"</u>		Static Pressure: <u>250#</u>			
Measuring Device	Run-Prover-Tester	Orifice Size	Meter-Prover-Tester	Pressure In. Water	In. Merc.	Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter									
Critical Flow Prover									
Orifice Well Tester	<u>2"</u>	<u>.25</u>				<u>30</u>	<u>40"</u>	<u>Assumed .700</u>	<u>60</u>

GAS FLOW RATE CALCULATIONS (R)

Gcoeff. (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)
<u>.3061</u>	<u>44.4</u>	<u>42.14</u>	<u>1.195</u>	<u>1.0</u>	<u>-</u>	<u>-</u>
Gas Prod. MCFD	Oil Prod. Bbls./Day:	Gas/Oil Ratio (GOR) =	Cubic Ft. per Bbl.			
Flow Rate (R): <u>15.4</u>	<u>6</u>	<u>2,567</u>				

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 23RD day of MARCH 1984

R. Burkhalter For State
Don Angerson For Company

For Offset Operator RECEIVED STATE CORPORATION COMMISSION

MAY 04 1984

CONSERVATION DIVISION
 Wichita, Kansas