

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-095-30281-0000
 OCT. 1 1988

Form C-5 Revised

Conservation Division

TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 8-7-88

Company BHP Petroleum Lease Hufford Well No. 1

County Kingman Location Section 13 14 Township 30 Range 7 Acres

Field Reservoir Pipeline Connection Cities Service

Completion Date Type Completion (Describe) Plug Back T.D. Packer Set At

Production Method: Type Fluid Production API Gravity of Liquid/Oil

Flowing Pumping Gas Lift Casing Size Weight I.D. Set At Perforations To

Tubing Size Weight I.D. Set At Perforations To

2 7/8

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 8-6-88 Time 9:00 AM Ending Date 8-7-88 Time 9:00 AM 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.			
1.17	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	200 15299	1	0	2006	1	4 3/4	2800	236	8
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. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3	.750		120	.1	
Critical Flow Prover						
Orifice Well Tester						

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)	MCFD (Fp)	Meter-Prover Press. (Pm)	Extension (Pm)	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fv)	Chart Factor (Fd)
2.740			3.4 3.6	1.195			

Gas Prod. MCFD Flow Rate (R): 1.1 11.7 Oil Prod. Bbls./Day: 8 Gas/Oil Ratio (GOR) = 1.47 per Bbl. Cubic Ft.

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 6 day of 10 19 88

For Offset Operator For State For Company

RECEIVED
 STATE CORPORATION COMMISSION
 OCT 10 1988

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division
 TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 8-4-89
 Company BHP Petroleum Lease 24 offord Well No. 1
 County Kingman Location Section 14 Township 30 Range 7 Acres
 Field S.G. Basil Reservoir Pipeline Connection Cities Service
 Completion Date Type Completion(Describe) Plug Back T.D. Packer Set At

Production Method: Type Fluid Production API Gravity of Liquid/Oil
 Flowing (Pumping) Gas Lift
 Casing Size Weight I.D. Set At Perforations To
 Tubing Size 2 7/8 Weight I.D. Set At Perforations To

Pretest: Duration Hrs.
 Starting Date Time Ending Date Time
 Test: Duration Hrs.
 Starting Date 8-3-89 Time 9:00 AM Ending Date 8-4-89 Time 9:00 AM 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure			Choke Size				
Casing:	Tubing:								
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.	
1.67	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	200 15298	1	0	20.06	1	4 3/4	28.00	239	8
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.	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3	.750			100	.66	
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)(Pm)	Extension √hw x Pm	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
2.740			1.95			

Gas Prod. MCFD Oil Prod. Bbls./Day: 8 Gas/Oil Ratio (GOR) = 4.1 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 19 day of 9 19 89

For Offset Operator: [Signature] For State: [Signature] For Company: Robert W. Eggert

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

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 8-5-90
 Company BHP Petroleum Lease Hufford Well No. 1
 County Hingman Location 14 Township 30 Range 7 Acres
 Field S.G. Basil Reservoir Pipeline Connection Cities Service
 Completion Date Type Completion(Describe) Plug Back T.D. Packer Set At

Production Method: Type Fluid Production API Gravity of: Liquid/Oil
 Flowing Pumping Gas Lift
 Casing Size Weight I.D. Set At Perforations To
 Tubing Size 2 7/8 Weight I.D. Set At Perforations To

Pretest: Duration Hrs.
 Starting Date Time Ending Date Time
 Test: Duration Hrs.
 Starting Date 8-5-90 Time 9:00 Ending Date 8-6-90 Time 9:00 Duration 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
<u>1.67</u>										
Pretest:										
Test:	<u>200</u>	<u>15298</u>	<u>1</u>	<u>0</u>	<u>20.06</u>	<u>1</u>	<u>4 3/4</u>	<u>28.00</u>	<u>235</u>	<u>8</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 Pressure		Diff. Press.	Gravity	Flowing Temp.	
			In. Water	In. Merc.	Psig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)
Orifice Meter	<u>3</u>	<u>.750</u>			<u>100</u>	<u>.66</u>	<u>.758</u>	<u>65</u>
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (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>2.740</u>	<u>114.4</u>	<u>8.7</u>	<u>1.149</u>	<u>.9952</u>	<u>1</u>	
Gas Prod. MCFD Flow Rate (R):	<u>27.2</u>	Oil Prod. Bbls./Day: <u>8</u>	Gas/Oil Ratio (GOR) = <u>3.4</u>	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 15 day of NOV 1990

For Offset Operator _____ For State _____ For Company W. Durr

FEB 5 1991
 CONSERVATION DIVISION
 Topeka, Kansas

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division
 TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 8-13-91
 Company: BHP Petroleum Lease: Hufford Well No. 1
 County: Kingman Location: Section 14 Township 30 Range 7 Acres
 Field: S.G. Basil Reservoir: Pipeline Connection: Cites Service
 Completion Date: Type Completion(Describe): Plug Back T.D.: Packer Set At:

Production Method: Type Fluid Production: API Gravity of Liquid/Oil
 Flowing (Pumping) Gas Lift Oil-Water
 Casing Size: Weight: I.D.: Set At: Perforations: To:
 Tubing Size: Weight: I.D.: Set At: Perforations: To:
 2 7/8

Pretest: Duration Hrs.
 Starting Date: Time: Ending Date: Time:
 Test: Duration Hrs.
 Starting Date: 8-12-91 Time: Ending Date: 8-13-91 Time: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure			Choke Size				
Casing:	Tubing:								
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.	
1.67	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	200	15298	2	0	40.13	2	4 3/4	48.07	239 8
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. Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3	.750		100	.66	.758	60
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coef. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)(Pm)	Extension V/hw x Pm	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
2.740	114.4	8.7	1.149	1	1	

Gas Prod. MCFD: 27 Oil Prod. Day: 8 Gas/Oil Ratio (GOR) = 3.4 Cubic Ft. per Bbl.

The undersigned authority for the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 30 day of December 1991
 RECEIVED
 MAR 3 1992
 Carl W. Durr

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division
 TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 7-24-92
 Company: BHP Petroleum Lease: Hufford Well No.: 1
 County: Kingman Location: 14 Section: 30 Township: 7 Range: Acres:
 Field: SG Basil Reservoir: Mississippi Pipeline Connection: Cities Service
 Completion Date: Type Completion (Describe): Single Plug Back T.D.: Packer Set At:
 Production Method: Type Fluid Production: Gas Oil Water API Gravity of Liquid/Oil:
 Flowing (Pumping) Gas Lift Casing Size Weight I.D. Set At Perforations To
 Tubing Size Weight I.D. Set At Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.
 Test: Starting Date 7-23-92 Time Ending Date 7-24-92 Time 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.		
1.67	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	200	15298	2	3 1/4	45.56	2	8	53:50	239	8
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.	Pressure Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3	.750			100	.66	.760	
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)	Extension (Pm)	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
2.740	114.4	8.7	1.147	1		
Gas Prod. MCFD Flow Rate (R):	27	Oil Prod. Bbls./Day: 8	Gas/Oil Ratio (GOR) = 3.4	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 30 day of November 19 92

For Offset Operator: [Signature] For State: [Signature] For Company: Carl W. [Signature]

STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 8-6-93

Company G.A.B.F. Lease Hulford Well No. 1

County Wm. Location 14 Section 30 Township 7 Range 7 Acres

Field S.G. Basil Reservoir Mississippi Pipeline Connection Texas

Completion Date Type Completion (Describe) Single Plug Back T.D. Packer Set At

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

Flowing Pumping Gas Lift Casing Size Weight I.D. Set At Perforations To

Tubing Size 2 7/8 Weight I.D. Set At Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 8-5-93 Time Ending Date 8-6-93 Time 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.		
<u>1.67</u>	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil	
Pretest:										
Test:	<u>200</u>	<u>15298</u>	<u>2</u>	<u>11 1/4</u>	<u>58.94</u>	<u>3</u>	<u>4</u>	<u>66.86</u>	<u>231</u>	<u>8</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 Pressure	Diff. Press.	Gravity	Flowing	
			In.Water In.Merc. Psig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)	
Orifice Meter	<u>3"</u>	<u>.750</u>		<u>100</u>	<u>.66</u>	<u>.761</u>	<u>60</u>
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (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>2.740</u>	<u>114.4</u>	<u>8.7</u>	<u>1.146</u>	<u>1</u>	<u>1</u>	

Gas Prod. MCFD 27 Oil Prod. Bbls./Day: 8 Gas/Oil Ratio (GOR) = 3.4 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 31 day of January 19 94

For Offset Operator [Signature] For State [Signature] For Company Carl W. [Signature]

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 9-20-94

Company: G.A.R.I. Lease: Hufford Well No. 1
 County: Kan. Location: Section 14 Township 30 Range 7 Acres

Field: S.G. Basil Reservoir: Mississippi Pipeline Connection: Tenco

Completion Date: Type Completion(Describe): Single Plug Back T.D. Packer Set

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

Casing Size: Weight I.D. Set At Perforations To
 Tubing Size: Weight I.D. Set At Perforations To
 2 7/8

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 9-19-94 Time Ending Date 9-20-94 Time Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA
 Producing Wellhead Pressure Separator Pressure Choke Size
 Casing: Tubing:

Pils./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Ebls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
1.67										
Pretest:										
Test:	200	25015	3	0	60.11	3	4 3/4	68.01	231	8
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range						
Pipe Tang:	Flange Taps: X	Differential:	Static Pressure:						
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover In. Water	Tester Pressure In. Merc.	Tester Pressure Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (°F)	
Orifice Meter	3"	.750			100	.66	.769	60	
Critical Flow Prover									
Orifice Well Tester									

GAS FLOW RATE CALCULATIONS (R)

Coef. (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)
2.740		8.12	1.140			

Gas Prod. MCFD Flow Rate (R): 25.36 Oil Prod. Bbls./Day: 8 Gas/Oil Ratio (GOR) = 3.17 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 24 day of Oct 1994

For Offset Operator: [Signature] For State: [Signature] For Company: Joe Hunter

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division
 TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 8-21-95
 Company U.M.C. PETRO. Lease HUFFORD Well No. 1
 County KM Location 14 Township 30 Range 7 Acres
 Field S.G. BASIL Reservoir MISS Pipeline Connection TEXACO
 Completion Date Type Completion (Describe) SINGLE Plug Back T.D. Packer Set At
 Production Method: Type Fluid Production GAS-OIL-WATER API Gravity of Liquid/Oil
 Flowing Pumping Gas Lift Casing Size Weight I.D. Set At Perforations To
 Tubing Size 2 3/8 Weight I.D. Set At Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.
 Test: Starting Date 8-20-95 Time Ending Date 8-21-95 Time Duration Hrs. 24 HRS

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure			Choke Size				
Casings:	Tubing:								
Bbls./In.	Tank	Starting Gauge			Ending Gauge		Net Prod. Bbls.		
	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	200	25015	4	4 1/2	87.57	4	9 1/4	95.48	260 7.91
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. Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3"	.750		80	.70	.760	
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)
2.740		7.48	1.147			

Gas Prod. MCFD Flow Rate (R): 23.51 Oil Prod. Bbls./Day: 7.91 Gas/Oil Ratio (GOR) = 2.97 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 19 day of Sept 19 95

For Offset Operator

For State

For Company

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 8-11-96

Company U.M.C. PETRO. Lease Location HUFFORD Well No. 1

County KM Location Section 14 Township 30 Range 7 Acres

Field S.G. BASIL Reservoir MISS. Pipeline Connection TRUCK

Completion Date Type Completion(Describe) SINGLE Plug Back T.D. Packer Set At

Production Method: Type Fluid Production GAS-OIL-WATER API Gravity of Liquid/Oil

Flowing (Pumping) Gas Lift Casing Size Weight I.D. Set At Perforations To

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

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 8-11-96 Time Ending Date 8-12-96 Time Duration Hrs. 24 HRS

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:	200	25016	4	4 1/2	87.57	4	9 1/4	95.48	240	7.91
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 In.Water	In.Merc.	Paig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3"	.750			70	.40	.760	60
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (Fb)(Fp)(OWTC)	Meter-Prover Press.(Psla)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
2.740		6.48	1.147			

Gas Prod. MCFD Flow Rate (R): 20.37 Oil Prod. Bbls./Day: 7.91 Gas/Oil Ratio (GOR) = 2.58 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 7 day of Nov 1996

For Offset Operator For State For Company

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division
 TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 8-6-97
 Lease Well No. 1
 Company U.M.C. Petro. Location HUFFORD
 County KM Section 14 Township 30 Range 7 Acres
 Field S.G. BASIL Reservoir MISS. Pipeline Connection TRUCK
 Completion Date Type Completion (Describe) SINGLE Plug Back T.D. Packer Set At
 Production Method: Type Fluid Production API Gravity of Liquid/Oil
 Flowing Pumping Gas Lift GAS-OIL-WATER
 Casing Size Weight I.D. Set At Perforations To
 Tubing Size 2 7/8 Weight I.D. Set At Perforations To

Pretest: Duration Hrs.
 Starting Date Time Ending Date Time
 Test: Duration Hrs.
 Starting Date 8-6-97 Time Ending Date 8-7-97 Time 24 HRS

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:	200	25015	2	1 1/4	42.14	2	5 1/4	48.84	240	6.68
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. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)	
			In. Water	In. Merc.	Psig or (Pd)			
Orifice Meter	3"	.750			70	.10	.760	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)
2.740		2.65	1.147			

Gas Prod. MCFD Flow Rate (R): 8.33 Oil Prod. Bbls./Day: 6.68 Gas/Oil Ratio (GOR) = 1.25 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 24 day of Nov 1997

For Offset Operator

For State

For Company