

STATE OF KANSAS - CORPORATION COMMISSION

PRODUCTION TEST & GOR REPORT

15-129-21118-0000 Form C-5 Revised

Conservation Division

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE:

Company: ANADARKO PETROLEUM Corp. Lease: USA Well No.: I-3

County: MORTON Location: 1980 FNL + 660 FWL Section: 03 Township: 33 Range: 40 Acres:

Field: Stirrup Reservoir: MORROW D Pipeline Connection:

Completion Date: 6-2-92 Type Completion(Describe): Oil Plug Back T.D.: 5373 Packer Set At:

Production Method: Pumping Type Fluid Production: OIL + WATER API Gravity of Liquid/Oil:

Flowing Casing Size: 5.50 Weight: 15.50 I.D.: 4.950 Set At: 5373 Perforations: 5264-78 To: 5284-96

Tubing Size: 2.375 Weight: 4.70 I.D.: 1.995 Set At: 5246 Perforations: To:

Pretest: Starting Date: 6-30-92 Time: 10:15A Ending Date: 7-1-92 Time: 10:15A Duration Hrs.: 24

GIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure	Separator Pressure	Choke Size
Casing: 26 Tubing: 24	24	64/64

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:										
Test:	Flow Tester		11907			11986		79	25.28	53.72

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range			
Pipe Taps: Flange Taps:	Differential: 50		Static Pressure: 250			

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							
Critical Flow Prover							
Orifice Well Tester	2"	.75		10"	27.5		60°

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)
2.779	41.9	20.47	1.2	1.0	1.0	1.0

Gas Prod. MCFD: 68 Oil Prod. Bbls./Day: 54 Gas/Oil Ratio (GOR) = 1.259 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 1st day of July 1992

James R. Ray For Offset Operator
 Joe Dougherty For State
 Joe Dougherty For Company

RECEIVED JUL 14 1992 STATE CORPORATION COMMISSION
 CONSERVATION DIVISION Wichita, Kansas Form C-5 (5/88) 7-14-92

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division
 TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 9-30-93
 Company: Anadarko Petroleum Corporation Lease: U.S.A. Well No.: I-3
 County: Morton Location: 1980 FNL # 660 FWL Section: 3 Township: 33 Range: 40 Acres:
 Field: Stirrup Reservoir: Morrow D Pipeline Connection: Centana Energy
 Completion Date: 6-2-92 Type Completion (Describe): Oil Plug Back T.D.: 5373 Packer Set At:
 Production Method: Flowing Pumping Gas Lift Type Fluid Production: Oil & Water API Gravity of Liquid/Oil: 35.2 @ 60°
 Casing Size: 5.50 Weight: 15.50 I.D.: 4.950 Set At: 5373 Perforations: 5264 To: 5296
 Tubing Size: 2.375 Weight: 4.70 I.D.: 1.995 Set At: 5246 Perforations: To:

Pretest: Starting Date: 9-29-93 Time: 10:30am Ending Date: 9-30-93 Time: 10:30am Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure	Separator Pressure	Choke Size
Casing: 40 Tubing: 40	25	64/64

Bbls./In.	Tank			Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil	
Pretest:											
Test:	Flow Tester		57894			57997			35.00	68.00	
Test:											

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range				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	2	1.500			120	.7	.867	60	
Critical Flow Prover									
Orifice Well Tester									

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
13.09	134.4	9.699	1.074	1.000	1.000	

Gas Prod. MCFD: 136.0 Oil Prod. Bbls./Day: 68.00 Gas/Oil Ratio (GOR) = 2000 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 30th day of September 1993

For Offset Operator: *James R. Kern* For State: *James R. Kern* For Company: *James R. Kern*

RECEIVED STATE CORPORATION COMMISSION OCT 21 1993
 CONSERVATION DIVISION Wichita, Kansas

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: 9-30-93
 Company: Anadarko Petroleum Corporation Lease: U.S.A. Well No.: I-3
 County: Morton Location: 1980 FNL & 660 FWL Section: 3 Township: 33 Range: 40 Acres:
 Field: Stirrup Reservoir: Morrow D Pipeline Connection: Centana Energy
 Completion Date: 6-2-92 Type Completion (Describe): Oil Plug Back T.D.: 5373 Packer Set At:
 Production Method: Pumping Gas Lift Type Fluid Production: Oil & Water API Gravity of Liquid/Oil: 35.2 @ 60°
 Casing Size: 5.50 Weight: 15.50 I.D.: 4.950 Set At: 5373 Perforations: 5264 To: 5296
 Tubing Size: 2.375 Weight: 4.70 I.D.: 1.995 Set At: 5246 Perforations: To

Retest: Starting Date: 9-29-93 Time: 10:30am Ending Date: 9-30-93 Time: 10:30am Duration Hrs.: 24
 Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size				
Casing:	40	Tubing:	40		25	64/64				
bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Retest:										
Test:	Flow	Tester			57894			57997	35.00	68.00
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	Meter-Prover-Tester Pressure In. Merc.	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	2	1.500			120	.7	60
Critical Flow Prover							
Orifice Well Tester							

RECEIVED
 STATE CORPORATION COMMISSION

GAS FLOW RATE CALCULATIONS (R)

OCT 06 1993

Eff. 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 (Fcd)
13.09	134.4	9.699	1.074	1.000	1.000	

Gas Prod. MCFD: 136. Oil Prod. Bbls./Day: 68.00 Gas/Oil Ratio (GOR) = 2000 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 30th day of September 1993

For Offset Operator: *James P. Kamm* For State: *James P. Kamm* For Company: *James P. Kamm*

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 10-6-94

Company Anadarko Petroleum Corp Lease USA Well No. F-3

County MORTON Location Section 3 Township 33 Range 40 Acres

Field Stirrup Reservoir Upper Morrow Pipeline Connection Anadarko Gathering Co.

Completion Date 6-2-92 Type Completion (Describe) Oil Plug Back T.D. 5373 Packer/Set At

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

Flowing (Pumping) Gas Lift Oil 35.2 @ 60

Casing Size 5.50 Weight 15.50 I.D. 4.950 Set At 5373 Perforations 5264 To 5296

Tubing Size 2.375 Weight 4.70 I.D. 1.995 Set At 5246 Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 10/5/94 Time 9:45 AM Ending Date 10/6/94 Time 9:45 AM Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure		Choke Size	
Casing:	62	Tubing:	62		37#

Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.		
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	FLAT	300	8	6 1/4	169.35	10	10"	215.55	11.2	35.0
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range			
Pipe Taps:	Flange Taps:	Differential:	100	Static Pressure:	250		
Measuring Device	Run-Prover-Tester Size	Orifice (Meter) Size	Prover-Tester Pressure In. Water	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)	
Orifice Meter	2	1.375		47.7	.38"	.867	60°
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	(Meter) Prover Press. (Psia) (Pm)	Extension Vhw x Pm	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
10.46	62.1	4.857	1.074	1.000	1.000	—

Gas Prod. MCFD 55 Oil Prod. Bbls./Day: 35.0 Gas/Oil Ratio (GOR) = 1.559 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 6th day of Oct, 1994

Albert T. Benfro For State
 [Signature] For Company

For Offset Operator

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: 11-12-97

Company Lease Well No.

Anadarko Petroleum Corp USA I-3

County Location Section Township Range Acres

Morton 1980 FNL & 660 FWL 03 33 40

Field Reservoir Pipeline Connection

Stump Upper Morrow Anadarko Gathering Co.

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

6-2-92 Oil 5373

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

Flowing Pumping Gas Lift Oil 35.2 @ 60°

Casing Size Weight I.D. Set At Perforations To

5.50 15.50 4.950 5373 5264 5296

Tubing Size Weight I.D. Set At Perforations To

2.375 4.70 1.995 5246

Pretest: Duration Hrs.

Starting Date Time Ending Date Time

Test: Duration Hrs.

Starting Date 11-10-97 Time 9:30 A.M. Ending Date 11-11-97 Time 9:30 A 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:										
FIAT Test:	300		5	3	103.99	6	5/8	127.43	8.66	23.44
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections Orifice Meter Range

Pipe Taps: Flange Taps: Differential: Static Pressure:

Measuring Device	Prover-Tester Size	Orifice Size	Meter Prover-Tester Pressure		Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)	
			In. Water	In. Merc.				
Orifice Meter	2	1.25			35	3.28	.749	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)
8.329	49.4	12.729	1.155	1.000	1.000	-

Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft. Flow Rate (R): 122 Bbls./Day: 23.44 (GOR) = 5.204 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 18th day of NOVEMBER 1997

For Offset Operator For State For Company

Don Morgan

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial (Annual) Workover Reclassification TEST DATE: 11-12-97

Company: Anadarko Petroleum Corp Lease: USA Well No.: I-3

County: Morton Location: 1980 FDL & 660 FWL Section: 03 Township: 33 Range: 40 Acres:

Field: Stimp Reservoir: Upper Morrow Pipeline Connection: Anadarko Gathering Co.

Completion Date: 6-2-92 Type Completion (Describe): Oil Plug Back T.D.: 5373 Packer Set At:

Production Method: Pumping Type Fluid Production: Oil API Gravity of Liquid/Oil: 35.2 @ 60°

Flowing Casing Size	Weight	I.D.	Set At	Perforations	To
5.50	15.50	4.950	5373	5264	5296
Tubing Size	Weight	I.D.	Set At	Perforations	To
2.375	4.70	1.995	5246		

Pretest: Starting Date: Time: Ending Date: Time: Duration Hrs.

Test: Starting Date: 11-10-97 Time: 9:30 A.M. Ending Date: 11-11-97 Time: 9:30 A. 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:										
FIAT Test:	300		5	3	103.99	6	5/8	127.43	8.66	23.44
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range				Static Pressure:	
Pipe Taps:	Flange Taps:	Differential:						
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover In. Water	Tester Pressure In. Merc.	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)	
Orifice Meter	2	1.25			35	3.28	.749	60°
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)
8.329	49.4	12.729	1.155	1.000	RECEIVE 900	—

Gas Prod. MCFD: 122 Oil Prod. Bbls./Day: 23.44 Gas/Oil Ratio (GOR) = 5.204 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 18th day of NOVEMBER 1997

For Offset Operator: *Gay Winter* For State: *Don Morgan* For Company:

ANADARKO PETROLEUM CORPORATION

PHONE 316 - 624 - 6253 . 1701 NORTH KANSAS AVE. . P.O. BOX 351 . LIBERAL, KANSAS 67905 - 0351



January 9, 1998

Kansas Corporation Commission
Conservation Division
Finney State Office Building
130 South Market, Rm 2078
Wichita, Kansas 67202

Attn: Jim Hemmen

Re: USA "I" No. 3
Sec. 03-33S-40W
Morton County, Kansas

Dear Mr. Hemmen:

Enclosed please find an annual Production Test and GOR Report (KCC Form C-5) for the referenced well. Please file accordingly.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Shawn D. Young".

Shawn D. Young
Division Production Engineer
JTC/sjc

Enclosure

cc: Well File
DMF

1-pttest.doc

RECEIVED
KANSAS CORPORATION COMMISSION

JAN 13 1998

130 SOUTH MARKET
WICHITA, KANSAS

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE:

Company ANADARKO PETROLEUM CORP. Lease USA Well No. I-3

County MORTON Location 1980 FNL + 660 FWL Section 03 Township 33 Range 40 Acres

Field Stirrup Reservoir MORROW D Pipeline Connection

Completion Date 6-2-92 Type Completion (Describe) Oil Plug Back T.D. 5373 Packer Set At

Production Method: Pumping Gas Lift Type Fluid Production Oil + WATER API Gravity of Liquid/Oil.

Flowing Casing Size	Weight	I.D.	Set At	Perforations	To
<u>5.50</u>	<u>15.50</u>	<u>4.950</u>	<u>5373</u>	<u>5264-78</u>	<u>5284-96</u>
Tubing Size	Weight	I.D.	Set At	Perforations	To
<u>2.375</u>	<u>4.70</u>	<u>1.995</u>	<u>5246</u>		

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 6-30-92 Time 10:15 A Ending Date 7-1-92 Time 10:15 A Duration Hrs. 24

GIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure	Separator Pressure	Choke Size
Casing: <u>26</u>	Tubing: <u>24</u>	<u>64/64</u>

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:										
Test:	<u>Flow Tester</u>		<u>11907</u>			<u>11986</u>	<u>79</u>	<u>25.28</u>	<u>53.72</u>	

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range			
Pipe Taps:	Flange Taps:			Differential:		Static Pressure:	
<u>50</u>	<u>250</u>						

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								
Critical Flow Prover								
Orifice Well Tester	<u>2"</u>	<u>.75</u>	<u>10"</u>			<u>27.5</u>		<u>60°</u>

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)
<u>2.779</u>	<u>41.9</u>	<u>20.47</u>	<u>1.2</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>

Gas Prod. MCFD 68 Oil Prod. Ebls./Day: 54 Gas/Oil Ratio (GOR) - 1,259 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 1st day of July 1992

For Offset Operator: James R. Ray For State: Joe Dougherty For Company: Joe Dougherty

RECEIVED
 CORPORATION COMMISSION
 A 1992
 Form C-5 (5/88) DIVISION
 Wichita, Kansas

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