

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-129-21119-0000 Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 10-5-94
 Company Anadarko Petroleum Corporation Lease USA Well No. L-2

County MORTON Location 1980FNL+660FEL Section 04 Township 33 Range 40 Acres

Field Stirrup Reservoir Upper Morrow Pipeline Connection Anadarko Gathering Co.

Completion Date 6-2-92 Type Completion(Describe) Single Oil Plug Back T.D. 5438 Packer Set At

Production Method: Type Fluid Production Oil API Gravity of Liquid/Oil 41 @ 60

Flowing Pumping Gas Lift
 Casing Size 5.50 Weight 15.5 I.D. 4.950 Set At 5440 Perforations 5296 To 5324
 Tubing Size 2.375 Weight 4.70 I.D. 1.995 Set At 5055 Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 10/4/94 Time 11:30 Am Ending Date 10/5/94 Time 11:30 Am Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure Separator Pressure Choke Size
 Casing: 130 Tubing: 38 40

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	300		8	9"	173.93	9	10"	175.58	—	21.65
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 Size	Prover-Tester Pressure		Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
			In. Water	In. Merc.			
Orifice Meter	2	1.375			43.0	.5	.888 60°
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	(Meter) Prover Press. (Psia)(Pm)	Extension $\sqrt{h_w \times P_m}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
10.460	57.4	5.357	1.061	1.000	1.000	—

Gas Prod. MCFD Flow Rate (R): 59 Oil Prod. Bbls./Day: 21.65 Gas/Oil Ratio (GOR) = 2.725 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 5th day of Oct, 1994
 For Offset Operator: Albert J. Kemp For State: [Signature] For Company: [Signature]

ROWD 10-5-94

01111111-101-01

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

107 10-1-01

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 2-6-96

Company Anadarko Petroleum Corporation Lease USA Well No. L-2

County MORTON Location 1980FNL 660FEI Section 04 Township 33 Range 40 Acres

Field Stirrup Reservoir Upper Morrow Pipeline Connection Anadarko Gathering Co.

Completion Date 6-2-92 Type Completion (Describe) Single Oil Plug Back T.D. 5438 Packer Set At

Production Method: Type Fluid Production Oil API Gravity of Liquid/Oil 41 @ 60°

Flowing Pumping Gas Lift

Casing Size 5.50 Weight 15.5 I.D. 4.950 Set At 5440 Perforations 5296 To 5324

Tubing Size 2.375 Weight 4.70 I.D. 1.995 Set At 5055 Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 2-6-96 Time 9:30Am Ending Date 2-7-96 Time 9:30Am Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure		Choke Size					
Casing: <u>178</u>	Tubing: <u>36#</u>	<u>36#</u>	<u>35#</u>						
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
Test:	<u>300</u>	<u>3</u>	<u>8"</u>	<u>72.35</u>	<u>4</u>	<u>11 1/2</u>	<u>98.17</u>	<u>35.8</u>	<u>25.82</u>
Test:									

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range					
Pipe Taps:	Flange Taps: <input checked="" type="checkbox"/>	Differential: <u>100</u>	Static Pressure: <u>250</u>					
Measuring Device	Run-Prover-Tester Size	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	<u>2"</u>	<u>1.375</u>			<u>37.5</u>	<u>1.65</u>	<u>.888</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>10.460</u>	<u>51.9</u>	<u>9.270</u>	<u>1.061</u>	<u>1.000</u>	<u>1.000</u>	
Gas Prod. MCFD Flow Rate (R): <u>103</u>	Oil Prod. Bbls./Day: <u>25.82</u>	Gas/Oil Ratio (GOR) = <u>3,989</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 the 9th day of FEB 1996

[Signature]
 For Company

For Offset Operator

For State

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TEST TYPE: Initial (Annual) Workover Reclassification TEST DATE: 9-30-93

Company: Anadarko Petroleum Corporation Lease: U.S.A. Well No.: L-2

County: Morton Location: 1980 FNL & 1660 FEL Section: 4 Township: 33 Range: 40 Acres:

Field: Stirrup Reservoir: Morrow D Pipeline Connection: Centana Energy

Completion Date: 6-2-92 Type Completion (Describe): Single Oil Plug Back T.D.: 5438 Packer Set At:

Production Method: Flowing (Rumping) Gas Lift Type Fluid Production: Oil API Gravity of Liquid/Oil: 41 @ 60°

Casing Size	Weight	I.D.	Set At	Perforations	To
5.50	15.5	4.950	5440	5296	5324
Tubing Size	Weight	I.D.	Set At	Perforations	To
2.375	4.70	1.995	5055		

Pretest: Starting Date: 9-29-93 Time: 10:00 am Ending Date: 9-30-93 Time: 10:00 am Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure	Separator Pressure	Choke Size		
Casing: 45 Tubing: 45	25			
Bbls./In.	Tank	Starting Gauge	Ending Gauge	Net Prod. Bbls.
	Size Number	Feet Inches Barrels	Feet Inches Barrels	Water Oil
Pretest:				
Test:	300 East	4 2 1/2 83.18	7 1/4 139.38	130.00 56.20
Test:				

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections	Orifice Meter Range					
Line Taps: Flange Taps: ✓ Differential: 100 Static Pressure: 250						
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure	Diff. Press.	Gravity	Flowing
Orifice Meter	2	1.500	In.Water In.Merc. Psig or (Pd)	(hw) or (hd)	Gas (Gg)	Temp. (t)
Critical Flow Prover						
Orifice Well Tester						

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia) (Pm)	Extension √hw x Fm	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
13.09	134.4	11.593	1.061	1.000	1.000	

Gas Prod. MCFD: 161 Oil Prod. Bbls./Day: 56.20 Gas/Oil Ratio (GOR) = 2865 Cubic Ft. RECEIVED

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 Prapp For State: Lawrence R. Nease For Company: 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 _____

Inspection Division

TEST: (Initial) Annual Workover Reclassification TEST DATE:
 Lease
 Well No. L-2
 Location Section Township Range Acres
 Reservoir Pipeline Connection

Completion Date Type Completion(Describe) Plug Back T.D. Packer Set At
 Production Method Type Fluid Production API Gravity of Liquid/OIL
 Pumping Gas Lift
 Casing Size Weight I.D. Set At Perforations To
 Tubing Size Weight I.D. Set At Perforations To

Tests
 Starting Date Time Ending Date Time Duration Hrs.
 Starting Date Time Ending Date Time Duration Hrs.

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size				
Casing: 42 Tubings: 21			21			64/64				
In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
300	1		1'	10"	36.11	6'	2"	122.31	87.0	86.2

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range					
No Taps:		Flange Taps:		Differential:		Static Pressure:		
Measuring Orifice	Run-Prover-Tester Size	Orifice Size	Meter-Prover In. Water	Tester Pressure In. Merc.	Paig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
	2"	.75			2			60°

GAS FLOW RATE CALCULATIONS (R)

Eff. MCFD (Fp)(OWTC)	Meter-Prover Press. (Paia)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
108			.9258	1.0	1.0	1.0

Oil Prod. Bbls./Day: 86 Gas/Oil Ratio (GOR) = 1.163 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 this report is true and correct. Executed this the 1st day of July 1992

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

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.: L-2

County: Morton Location: 1980 PNL+660 FEL Section: 04 Township: 33 Range: 40 Acres:

Field: sticrup Reservoir: MORROW D Pipeline Connection:

Completion Date: 6-2-92 Type Completion (Describe): single oil Plug Back T.D.: 5438 Packer Set At:

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

Flowing Casing Size: 5.50 Weight: 15.5 I.D.: 4.950 Set At: 5440 Perforations: 5296 To: 5324

Tubing Size: 2.375 Weight: 4.70 I.D.: 1.995 Set At: 5055 Perforations: To:

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

Test: Starting Date: 6-30 Time: 9:45A Ending Date: 7-1 Time: 9:45 Am Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size			
Casing:	<u>42</u>	Tubing:	<u>21</u>		<u>21</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>300</u>	<u>1</u>	<u>1'</u>	<u>10"</u>	<u>36.11</u>	<u>6'</u>	<u>3"</u>	<u>122.31</u>	<u>87.0</u> <u>86.2</u>

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. Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)	
Orifice Meter							
Critical Flow Prover	<u>2"</u>	<u>.75</u>		<u>2</u>		<u>60'</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)
<u>108</u>			<u>.9258</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>

Gas Prod. MCFD: 100 Oil Prod. Bbls./Day: 86 Gas/Oil Ratio (GOR) = 1.163 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. Kays For State: James R. Kays For Company: James R. Kays

Conservation Division
 Wichita, Kansas
 Form C-5 (5/88)

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:
 Company: Anadarko Petroleum Corp Lease: USA Well No.: L-2
 County: Morton Location: 1990 PUL+660 FEL Section: 04 Township: 33 Range: 40 Acres:
 Field: stirrup Reservoir: MORROW D Pipeline Connection:
 Completion Date: 6-2-92 Type Completion (Describe): single oil Plug Back T.D.: 5438 Packer Set At:
 Production Method: Pumping Type Fluid Production: oil API Gravity of Liquid/Oil:
 Flowing Casing Size: 5.50 Weight: 15.5 I.D.: 4.950 Set At: 5440 Perforations: 5296 To: 5324
 Tubing Size: 2.375 Weight: 4.70 I.D.: 1.995 Set At: 5055 Perforations: To:

Pretest: Starting Date: Time: Ending Date: Time: Duration Hrs.:
 Test: Starting Date: 6-30 Time: 9:45A Ending Date: 7-1 Time: 9:45 Am Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure	Separator Pressure	Choke Size
Casing: <u>42</u> Tubing: <u>21</u>	<u>21</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>300</u>	<u>1</u>	<u>1'</u>	<u>10"</u>	<u>36.11</u>	<u>6'</u>	<u>2"</u>	<u>122.31</u>	<u>87.0</u>	<u>86.2</u>

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.	Paig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter								
Critical Flow Prover	<u>2"</u>	<u>.75</u>			<u>2</u>			<u>60°</u>
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)	MCFD (Fp)	Meter-Prover Press. (Psia)	Extension (Pm)	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
<u>108</u>				<u>.9258</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>

Gas Prod. MCFD Flow Rate (R): 100 Oil Prod. Bbls./Day: 86 Gas/Oil Ratio (GOR) = 1,163 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 Company
 RECEIVED
 CORP. DIVISION
 1992
 COMMISSION

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.: L-2

County: Morton Location: 1980 ENL & 1660 FEL Section: 4 Township: 33 Range: 40 Acres: 1-2

Field: Stirrup Reservoir: Morrow Pipeline Connection: Centana Energy

Completion Date: 6-2-92 Type Completion(Describe): Single Oil Plug Back T.D.: 5438 Packer Set At:

Production Method: Flowing Rumping Gas Lift Oil API Gravity of Liquid/Oil: 41 @ 60°

Casing Size: 5.50 Weight: 15.5 I.D.: 4.950 Set At: 5440 Perforations: 5296 To: 5324

Tubing Size: 2.375 Weight: 4.70 I.D.: 1.995 Set At: 5055 Perforations: To:

Pretest: Starting Date: 9-29-93 Time: 10:00 am Ending Date: 9-30-93 Time: 10:00 am Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure: 45 Separator Pressure: 25 Choke Size: 25

bls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	300	East	4	2 1/2	83.18	7	1/4	139.38	130.00	56.20
est:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections: Flange Taps: ✓ Orifice Meter Range: Differential: 100 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.				
Orifice Meter	2	1.500			120	1	888	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 (Fv)	Chart Factor (Fd)
13.09	134.4	11.593	1.061	1.000	1.000	

Gas Prod. MCFD: 161 Oil Prod. Bbls./Day: 56.20 Gas/Oil Ratio (GOR) = 2865 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: [Signature] For State: [Signature] For Company: [Signature]