

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 4-8-2000 Location N 1/4 26-26-14W Elevation 19796L County Pratt

Company National Petroleum Reserves Inc. Number of Copies 5

Charts Mailed to 250 Webb Bank Road, Wichita, Kansas 67206

Drilling Contractor Sterling Drilling Rig #4

Length Drill Pipe 3576 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 X 11

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars 249 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 X 11

Top Packer Depth 3861 Bottom Packer Depth 3866 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3866 TO 3901 ANCHOR LENGTH 35 TOTAL DEPTH 3901 Hole Size 7 7/8

LEASE & WELL NO. Memphis #1 FORMATION TESTED Lansing "B" TEST NO. 1

Mud Weight 8.7 Viscosity 50 Water Loss 8.9 Chlorides - Pits 5000 D.S.T. 7000

Maximum Temp. _____ °F Initial Hydrostatic Pressure (A) _____ P.S.I. Final Hydrostatic Pressure (H) _____ P.S.I.

Tool Open I.F.P. from 6:30 P m to 7:00 P m 30 min

Tool Closed I.C.I.P. from 7:00 P m to 7:20 P m 30 min

Tool Open F.F.P. from 7:20 P m to 8:00 P m 30 min

Tool Closed F.C.I.P. from 8:00 P m to 8:30 P m 30 min

Initial Blow Good blow built to the bottom of a 5 Gallon bucket in 1 minute

Final Blow Fair blow built to the bottom of a 5 Gallon bucket in 3 minutes

Total Feet Recovered 360 FLUID Gravity of Oil _____ Corrected

2125 Feet of Gas in the P.P.C. % Gas _____ % Oil _____ % Mud _____ % Water _____

120 Feet of Gassy muddy-silty Oil % Gas _____ % Oil _____ % Mud _____ % Water _____

150 Feet of Gassy silty Oil % Gas _____ % Oil _____ % Mud _____ % Water _____

90 Feet of Oil & Gas cut muddy WATER % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Remarks _____

Extra Equipment - Jars Yes Safety Joint Yes Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 28225 Clock No. 28225 Depth 3894 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13184 Clock No. 47441 Depth 3889 Insurance NONE

Price of Job _____

Tool Operator Steve Buehig

Approved By _____

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

NO 13899

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

(316) 792-6902

State KANSAS

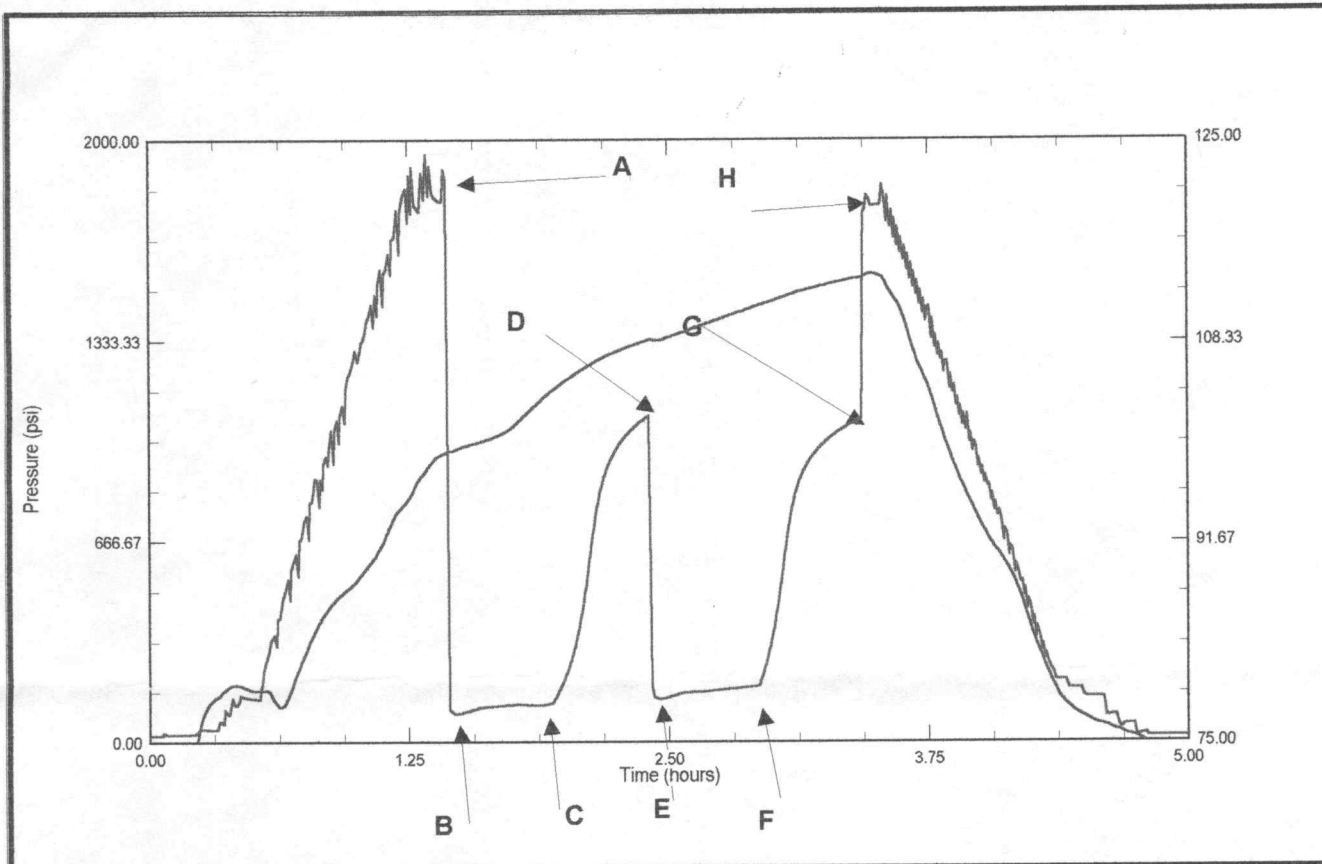
County PRATT

Field

Test Date April 8, 2000

Sec Town Range 26-26S-14W

Report Number 13899



Field Reading

(A)	Initial Hydrostatic Pressure	1892
(B)	Initial Flow Pressure	107
(C)	Final Initial Flow Pressure	128
(D)	Initial Shut-In Pressure	1078
(E)	Initial Final Flow Pressure	147
(F)	Final Flow Pressure	184
(G)	Final Shut-In Pressure	1072
(H)	Final Hydrostatic Pressure	1798

ELECTRONIC RECORDER DEPTH 3894 FT, RECORDER NUMBER 78225

Company: NATIONAL PETROLEUM RESERVES INC. Lease & Well No. MCMANNIS #1 Test # 1 Date: 4-8-2000
SEC. 26 TWP. 26S RGE. 14W

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING RIG #4**

DRILL PIPE LENGTH **3596**

DRILL PIPE I.D. **3.8**

TOOL JOINT SIZE **4 1/2 X.H.**

DRILL COLLAR LENGTH **249**

DRILL COLLAR I.D. **2.25**

TOOL JOINT SIZE **4 1/2 X.H.**

WEIGHT PIPE LENGTH

WEIGHT PIPE I.D. **2.25**

TOOL JOINT SIZE **4 1/2 X.H.**

MUD WEIGHT #/GAL **8.7**

VISCOSITY **50**

WATER LOSS **8**

CHLORIDES-PITS **5000**

CHLORIDES-DST **72000**

FEET OF RECOVERY	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 2125		100	0	0	0
2) 120	GASSY MUDDY FROTHY OIL				
3) 150	GASSY FROTHY OIL WITH A TRACE OF WATER	24	47	17	12
4) 90	OIL AND GAS CUT SLIGHTLY MUDDY WATER	2	1	2	95
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					

TOTAL RECOVERY

COMMENTS

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 4-9-2000 Location NE 1/4 26-26-14W Elevation 1983 ft. County Reutt

Company National Petroleum Reserves Inc. Number of Copies 5

Charts Mailed to 250 Webb Rock Road Webb, Kansas 67506

Drilling Contractor Steele's Drilling Co. #4

Length Drill Pipe 3561 I.D. Drill Pipe 2.50 Tool Joint Size 4 1/2" X 1 1/2"

Length Weight Pipe 1016 I.D. Weight Pipe 4 1/2" Tool Joint Size 1016

Length Drill Collars 249 I.D. Drill Collars 2.00 Tool Joint Size 4 1/2" X 1 1/2"

Top Packer Depth 3932 Bottom Packer Depth 3937 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3932 TO 3957 ANCHOR LENGTH 20 TOTAL DEPTH 3957 Hole Size 7 1/2"

LEASE & WELL NO. McMurry #1 FORMATION TESTED Shale - Si F TEST NO. 2

Mud Weight 8.7 Viscosity 50 Water Loss 8.9 Chlorides - Pits 5000 D.S.T. 92000

Maximum Temp. 115 °F Initial Hydrostatic Pressure (A) _____ P.S.I. Final Hydrostatic Pressure (H) _____ P.S.I.

Tool Open I.F.P. from 7:15 Am to 7:45 Am 30 min

Tool Closed I.C.I.P. from 7:45 Am to 8:15 Am 30 min

Tool Open F.F.P. from 8:15 Am to 9:00 Am 45 min

Tool Closed F.C.I.P. from 9:00 Am to 12:00 Am 60 min

Initial Blow Strong Blow with Gas to Surface in 10 min

Final Blow Strong Blow - See Gas Flow Report

Total Feet Recovered 1300 Gravity of Oil 31 Corrected

1120 Feet of CLAY Gassy O.I. % Gas _____ % Oil _____ % Mud _____ % Water _____

90 Feet of Gassy mud & water cut O.I. 43 % Gas 35 % Oil 15 % Mud 7 % Water

90 Feet of SLIGHTLY O.I. Gassy mud cut water 2 % Gas 1 % Oil 5 % Mud 92 % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Remarks _____

Extra Equipment - Jars none Safety Joint yes Extra Packer none Straddle none Hook Wall none

Top Recorder No. 71125 Clock No. 121011 Depth 3950 Cir. Sub none Sampler none

Bottom Recorder No. 121019 Clock No. 42041 Depth 3954 Insurance none

Price of Job _____

Tool Operator Don Ruby

Approved By _____

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NE 13900

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING RIG #4**

DRILL PIPE LENGTH **3561**

DRILL PIPE I.D. **3.8**

TOOL JOINT SIZE **4 1/2 X.H.**

DRILL COLLAR LENGTH **249**

DRILL COLLAR I.D. **2.25**

TOOL JOINT SIZE **4 1/2 X.H.**

WEIGHT PIPE LENGTH

WEIGHT PIPE I.D. **2.25**

TOOL JOINT SIZE **4 1/2 X.H.**

MUD WEIGHT #/GAL **8.7**

VISCOSITY **50**

WATER LOSS **8**

CHLORIDES-PITS **5000**

CHLORIDES-DST

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	1120	CLEAN GASSY OIL	45	55	0	0
2)	90	GASSY SLIGHTLY MUD AND WATER CUT OIL	43	35	15	7
3)	90	SLIGHTLY OIL,GAS AND MUD CUT WATER	2	1	5	9
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						

TOTAL RECOVERY

COMMENTS

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

GAS FLOW RATE

(316) 792-6902

#

STATE..... KANSAS

Test Date 4/9/00

COUNTY..... PRATT

Sec Town Range 26-26S-14W

FIELD.....

Report Number 13900

Initial Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
TOOL OPENED	7:25	10	70			1/2	52.400
AT 7:15 WITH	7:35	20	42			1/2	40.700
GAS TO	7:45	30	26			1/2	31.900
SURFACE IN 10 MINUTES AT 7:25							

Final Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
TOOL OPENED	8:25	10	10			1/2	19.900
AT 8:15	8:35	20	20			1/4	7.510
GAS	8:45	30	48			1/4	11.600
SAMPLE WAS	8:55	40	45			1/4	11.250
TAKEN	9:00	45	22			1/4	7.860