

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 9-1-1992 Location SW-SE-NE 36-22-22W Elevation 2308 K.B. County Hogewinn

Company NATIONAL PETROLEUM RESERVES, INC. Number of Copies 5

Charts Mailed to 250 North Rock Road Suite 340 Wichita Kansas 67206

Drilling Contractor EMPHASIS DRILLING RIG #7

Length Drill Pipe 4450 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H.

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

Length Drill Collars 61 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 4531 Bottom Packer Depth 4536 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 4536 TO 4580 ANCHOR LENGTH 44 TOTAL DEPTH 4580 Hole Size 7 7/8"

LEASE & WELL NO. Webster #1 FORMATION TESTED MISSISSIPPI TEST NO. 2

Mud Weight 9.4 Viscosity 47 Water Loss 9.8 Chlorides - Pits 5000 D.S.T. 20000

Maximum Temp. 125 °F Initial Hydrostatic Pressure (A) 2267 P.S.I. Final Hydrostatic Pressure (H) 2201 P.S.I.

Tool Open I.F.P. from 1:45 A m to 2:15 A m 30 min

Tool Closed I.C.I.P. from 2:15 A m to 2:45 A m 30 min

Tool Open F.F.P. from 2:45 A m to 3:30 A m 45 min

Tool Closed F.C.I.P. from 3:30 A m to 4:30 A m 60 min

from [B] <u>66</u> P.S.I. to [C] <u>78</u> P.S.I.
[D] <u>1130</u> P.S.I.
from [E] <u>89</u> P.S.I. to [F] <u>100</u> P.S.I.
[G] <u>(APPROX 30 mi in)</u> <u>1075</u> <u>1141</u> P.S.I.

Initial Blow WEAK building blow built to 5 inches into the water

Final Blow WEAK building blow built to 4 inches - DECREASING SLIGHTLY

Total Feet Recovered 160 Gravity of Oil \_\_\_\_\_ Corrected

40 Feet of Thin mud with a trace of oil 0% Gas TRACE% Oil 70% Mud 30% Water

60 Feet of Watery mud with a trace of oil 0% Gas TRACE% Oil 60% Mud 40% Water

60 Feet of muddy water with a trace of oil 0% Gas TRACE% Oil 35% Mud 65% 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. 11083 Clock No. 23913 Depth 4574 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 27441 Depth 4577 Insurance NONE

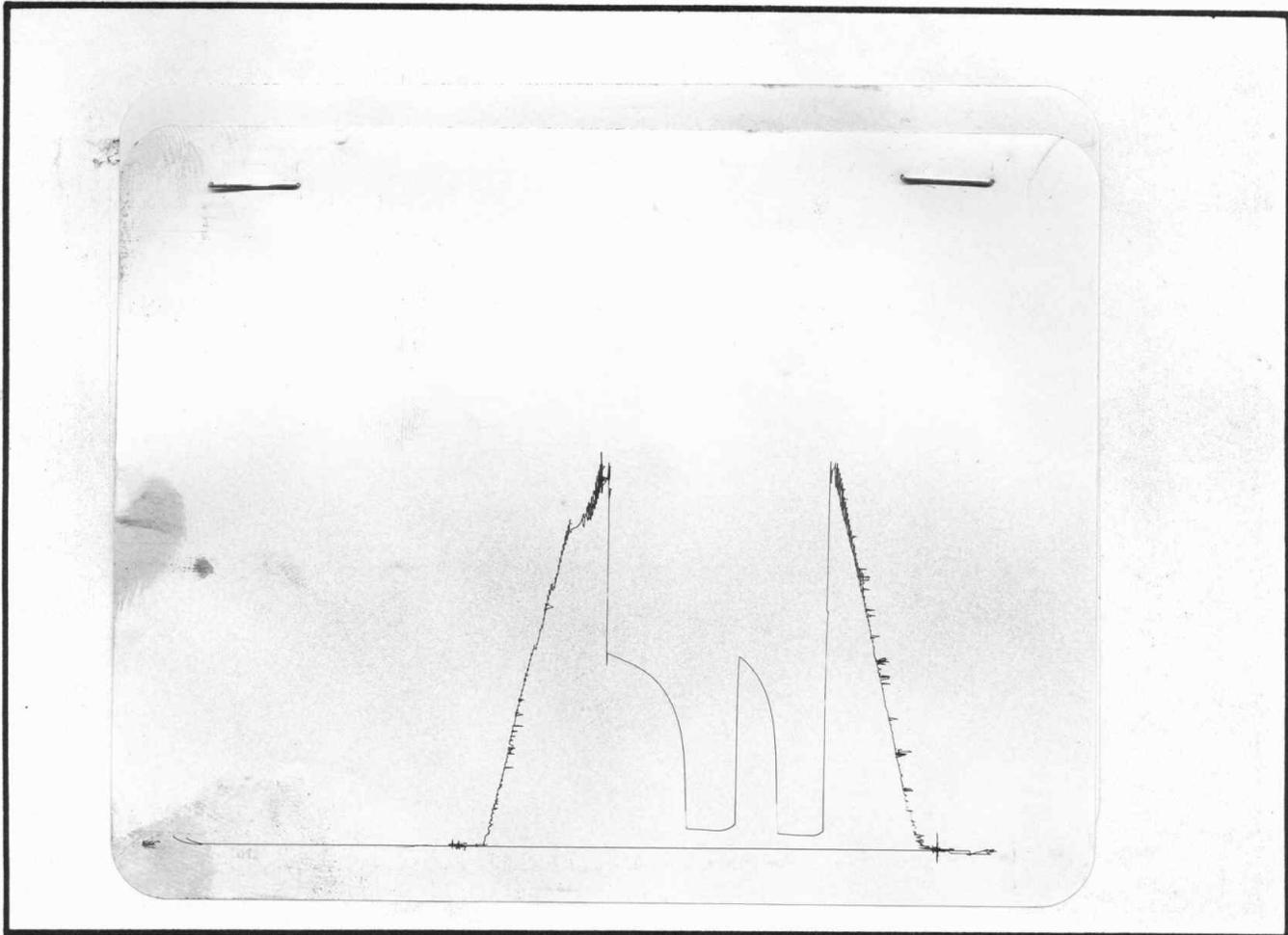
Price of Job \_\_\_\_\_

Tool Operator Gene Sudig

Approved By \_\_\_\_\_

No. 11965

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, or 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.



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud .....	<u>2267</u>	<u>2276</u>	P.S.I.
(B) First Initial Flow Pressure .....	<u>66</u>	<u>59</u>	P.S.I.
(C) First Final Flow Pressure .....	<u>78</u>	<u>63</u>	P.S.I.
(D) Initial Closed-in Pressure .....	<u>1130</u>	<u>1141</u>	P.S.I.
(E) Second Initial Flow Pressure .....	<u>89</u>	<u>86</u>	P.S.I.
(F) Second Final Flow Pressure .....	<u>100</u>	<u>100</u>	P.S.I.
(G) Final Closed-in Pressure .....	<u>1141</u>	<u>1145</u>	P.S.I.
(H) Final Hydrostatic Mud .....	<u>2201</u>	<u>2196</u>	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : NATIONAL PET.RESERVES WELL NAME : WEBSTER #1  
ADDRESS : 250 N.ROCK ROAD,WICHITA LOCATION : SW-SE-NE 36-32S-22W  
STATE & COUNTY : KANSAS,HODGEMAN FIELD :  
ELEV.(GR) : 2303 (KB) : 2308 TEST DATE : 9-1-1992

EQUIPMENT AND HOLE DATA

FORMATION TESTED : MISSISSIPPI DRILL PIPE LENGTH(ft) : 4450  
TEST INT. KB : 4536 to 4580 DRILL PIPE O.D.(in) : 3.82  
ANCHOR LENGTH(ft) : 44 WEIGHT PIPE LENGTH(ft) :  
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75  
TOTAL DEPTH(ft-kg) : 4580 DRILL COLLAR LENGTH(ft) : 61  
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259  
MUD WEIGHT : 9.1+ TOP PACKER DEPTH(kb) : 4531  
MUD VISCOSITY : 47 BOTTOM PACKER DEPTH(kb) : 4536  
MUD CHLORIDES : 5000 DUAL PACKERS :  
SURFACE CHOKE : 3/4 PACKER SIZE(in) : 6 3/4  
BOTTOM CHOKE(in) : 3/4 PACKER HOLD : Yes  
TOOL SIZE(O.D.) : 5 1/2 TOOL PLUG : No  
TOOL JOINT SIZE(F.H.) : 4 1/2 REVERSED OUT : No  
RESERVOIR TEMPERATURE(F) : 125 TEST TICKET NUMBER : 11965

EXTRA EQUIPMENT : -JARS -SAFETY JOINT

ELEMENT SERIAL NO. : 11088  
RANGE : 0 - 4400 CLOCK RANGE : 12 HOURS  
CAL. EQU. : 1102.93 \* Defl. + 4.88

SURFACE BLOW

1st Opening : WEAK BLOW BUILT TO 5 INCHES INTO THE WATER  
2nd Opening : WEAK BLOW BUILT TO 4 INCHES INTO THE WATER

RECOVERY

Recovered 160 feet of THIN MUD WITH A TRACE OF OIL CHLORIDES 20000

REMARKS :

WITNESSED BY : CRAIG CAULK

TOOL OPERATOR : GENE BUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : NATIONAL PET.RESERVES  
 DATE OF TEST : 9-1-1992  
 DEPTH : 4574.0

WELL NAME : WEBSTER #1  
 LOCATION : SW-SE-NE 36-32S-22W  
 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:2					
Depth : 4574.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.058	2274.71	1.49	2276.20
-1:45 1ST FLOW	0.0	.053	63.34	-4.26	59.07
- 1:50	5.0	.053	63.34	-4.26	59.07
- 1:55	10.0	.053	63.34	-4.26	59.07
- 2:00	15.0	.054	64.44	-4.25	60.19
- 2:05	20.0	.055	65.54	-4.24	61.30
- 2:10	25.0	.056	66.64	-4.23	62.41
- 2:15	30.0	.057	67.75	-4.22	63.53
-2:15 END FLOW	0.0	.057	67.75	-4.22	63.53
- 2:20	5.0	.720	798.99	.78	799.77
- 2:25	10.0	.829	919.21	.71	919.92
- 2:30	15.0	.902	999.72	.66	1000.39
- 2:35	20.0	.953	1055.97	.63	1056.60
- 2:40	25.0	.990	1096.78	.61	1097.39
- 2:45	30.0	1.020	1129.87	.64	1130.51
- 2:47	32.0	1.030	1140.90	.65	1141.55
-2:47 1ST SHUT-IN	0.0	1.030	1140.90	.65	1141.55
-2:47 2ND FLOW	0.0	.078	90.91	-3.97	86.93
- 2:52	5.0	.078	90.91	-3.97	86.93
- 2:57	10.0	.079	92.01	-3.96	88.05
- 3:02	15.0	.080	93.11	-3.95	89.16
- 3:07	20.0	.081	94.22	-3.94	90.28
- 3:12	25.0	.082	95.32	-3.93	91.39
- 3:17	30.0	.083	96.42	-3.92	92.51
- 3:22	35.0	.084	97.53	-3.90	93.62
- 3:27	40.0	.087	100.83	-3.87	96.96
- 3:32	45.0	.090	104.14	-3.83	100.31
-3:32 END FLOW	0.0	.090	104.14	-3.83	100.31
- 3:37	5.0	.630	699.73	.84	700.57
- 3:42	10.0	.735	815.53	.77	816.31
- 3:47	15.0	.810	898.25	.72	898.98
- 3:52	20.0	.856	948.99	.69	949.68
- 3:57	25.0	.893	989.80	.67	990.47
- 4:02	30.0	.924	1023.99	.65	1024.64
- 4:07	35.0	.948	1050.46	.63	1051.09
- 4:12	40.0	.971	1075.83	.62	1076.44
- 4:17	45.0	.989	1095.68	.61	1096.28
- 4:22	50.0	1.002	1110.02	.60	1110.62
- 4:27	55.0	1.014	1123.25	.63	1123.88
- 4:32	60.0	1.026	1136.49	.65	1137.13

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

---

COMPANY : NATIONAL PET.RESERVES  
DATE OF TEST : 9-1-1992  
DEPTH : 4574.0

WELL NAME : WEBSTER #1  
LOCATION : SW-SE-NE 36-32S-22W  
SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:2					
- 4:36	64.0	1.034	1145.31	.66	1145.97
-4:36 2ND SHUT-IN	0.0	1.034	1145.31	.66	1145.97
-2ND HYDROSTATIC	0.0	1.986	2195.30	1.27	2196.57