

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : NATIONAL PET.RESERVES INC.WELL NAME : BARNES ESTATE #26-1
ADDRESS : 260 N.ROCK ROAD SUITE 215 LOCATION : C-SW-SW 14-16-24
STATE & COUNTY : KANSAS,NESS FIELD :
ELEV.(GR) : - (KB) : - TEST DATE : 1-19-1988

EQUIPMENT AND HOLE DATA

FORMATION TESTED : MISSISSIPPI DRILL PIPE LENGTH(ft) : 4160
TEST INT. KB : 4377 to 4441 DRILL PIPE O.D.(in) : 3.82
ANCHOR LENGTH(ft) : 64 WEIGHT PIPE LENGTH(ft) : 188
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-kg) : 4441 DRILL COLLAR LENGTH(ft) : 120
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259
MUD WEIGHT : 9.3 TOP PACKER DEPTH(kb) : 4377
MUD VISCOSITY : 44 BOTTOM PACKER DEPTH(kb) : 4377
MUD CHLORIDES : 13000 DUAL PACKERS : YES
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) : 0 TEST TICKET NUMBER : 10636

EXTRA EQUIPMENT :

ELEMENT SERIAL NO. : 5463
RANGE : 0 - 3650 CLOCK RANGE : 12 HOURS
CAL. EQU. : 922.07 * Defl. - 2.47

SURFACE BLOW

1st Opening : WEAK BLOW BUILT TO 1/2 INCH INTO THE WATER
2nd Opening : WEAK BLOW DIED IN 9 MIN.

RECOVERY

Recovered 10 feet of SLIGHTLY OIL SPOTTED MUD

REMARKS :

WITNESSED BY : DAN DEBOER

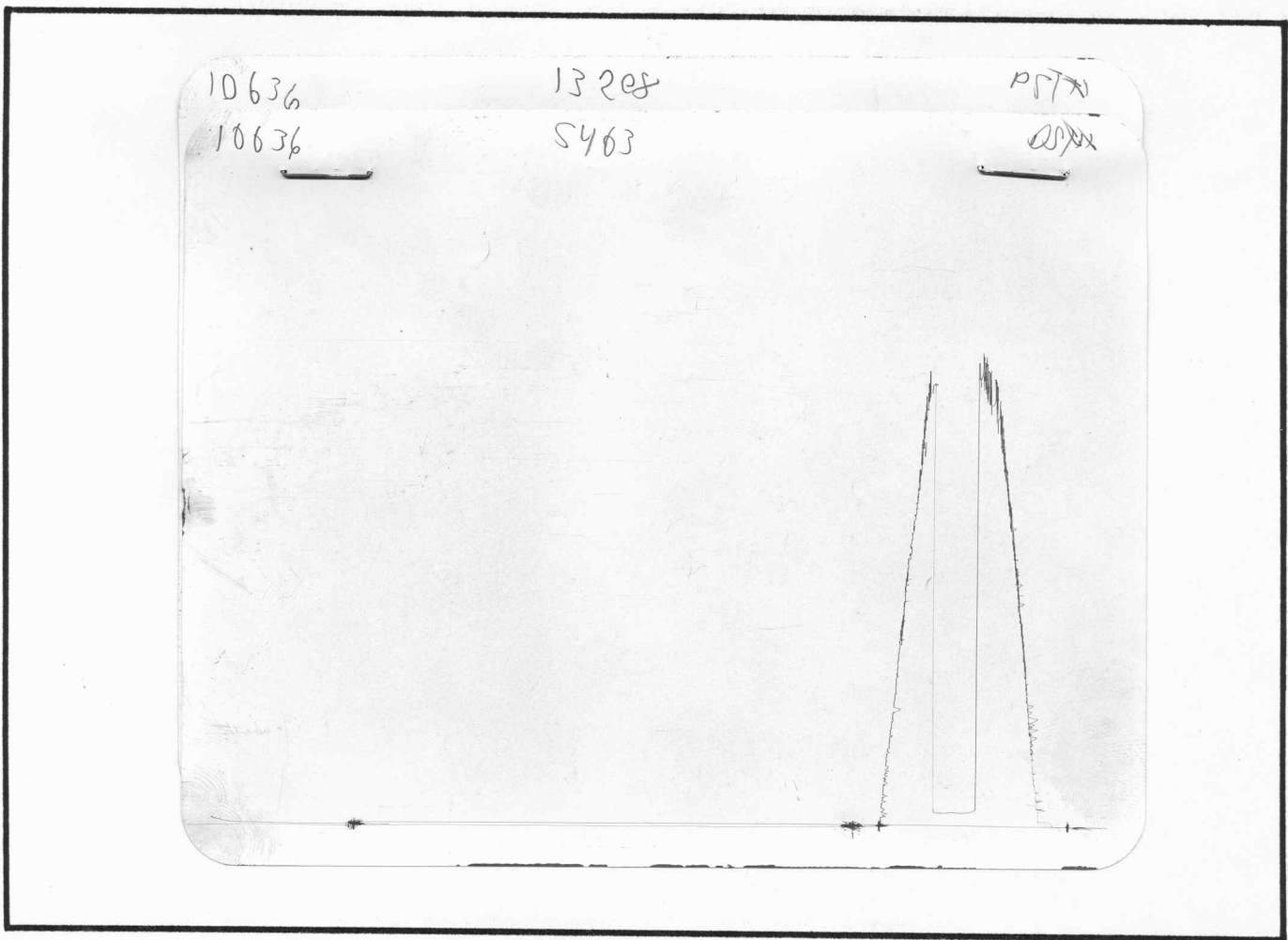
TOOL OPERATOR : PAT STEVENSON

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : NATIONAL PET.RESERVES INC.WELL NAME : BARNES ESTATE #26-1
 DATE OF TEST : 1-19-1988 LOCATION : C-SW-SW 14-16-24
 DEPTH : 4434.0 SERIAL NO. : 5463

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:1					
Depth : 4434.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.479	2283.35	-.94	2282.41
-11:30 1ST FLOW	0.0	.090	80.52	2.05	82.57
- 11:34	4.0	.077	68.53	2.11	70.64
- 11:39	9.0	.072	63.92	2.13	66.06
- 11:45	15.0	.071	63.00	2.14	65.14
- 11:51	21.0	.070	62.08	2.14	64.22
--11:51 END FLOW	0.0	.070	62.08	2.14	64.22
- -11:56	5.0	.070	62.08	2.14	64.22
- -10:01	10.0	.072	63.92	2.13	66.06
- -10:06	15.0	.073	64.84	2.13	66.97
- -10:11	20.0	.074	65.77	2.12	67.89
-12:11 1ST SHUT-IN	0.0	.074	65.77	2.12	67.89
-12:11 2ND FLOW	0.0	.070	62.08	2.14	64.22
- 12:16	5.0	.070	62.08	2.14	64.22
- 12:21	10.0	.070	62.08	2.14	64.22
- 12:26	15.0	.070	62.08	2.14	64.22
-1:21 END FLOW	0.0	.070	62.08	2.14	64.22
- 1:26	5.0	.070	62.08	2.14	64.22
- 1:31	10.0	.071	63.00	2.14	65.14
- 1:36	15.0	.071	63.00	2.14	65.14
-11:41 2ND SHUT-IN	0.0	.071	63.00	2.14	65.14
-2ND HYDROSTATIC	0.0	2.440	2247.38	-1.09	2246.30



This is an actual photograph of recorder chart.

POINT	PRESSURE		P.S.I.
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2246	2212	P.S.I.
(B) First Initial Flow Pressure	73	82	P.S.I.
(C) First Final Flow Pressure	64	64	P.S.I.
(D) Initial Closed-in Pressure	73	67	P.S.I.
(E) Second Initial Flow Pressure	64	64	P.S.I.
(F) Second Final Flow Pressure	64	64	P.S.I.
(G) Final Closed-in Pressure	64	65	P.S.I.
(H) Final Hydrostatic Mud	2227	2246	P.S.I.

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 12/89 Location 141624 Elevation _____ County Neos

Company NATIONAL PET. RESERVES INC Number of Copies _____

Charts Mailed to 260 N. ROCK RD. STE. 215 WICHITA KS 67206

Drilling Contractor DUKE Rig 3

Length Drill Pipe 4192 I.D. Drill Pipe 380 Tool Joint Size 7 1/2 XH

Length Weight Pipe 188 I.D. Weight Pipe 275 Tool Joint Size 1 1/2 XH

Length Drill Collars 120 I.D. Drill Collars 225 Tool Joint Size 7 1/2 XH

Top Packer Depth 4372 Bottom Packer Depth 4377 Number of Packers Two Packer Size 6 3/4

TESTED FROM 4377 TO 4456 ANCHOR LENGTH 78 TOTAL DEPTH 4456 Hole Size 7 7/8

LEASE & WELL NO. MOSNAI FORMATION TESTED MISS TEST NO. 2

Mud Weight 9.4 Viscosity 50 Water Loss 14 Chlorides - Pits 19000 D.S.T. 18,000

Maximum Temp. _____ °F Initial Hydrostatic Pressure (A) 2320 P.S.I. Final Hydrostatic Pressure (H) 2301 P.S.I.

Tool Open I.F.P. from 800 m to 830 m 30 min

Tool Closed I.C.I.P. from 830 m to 900 m 30 min

Tool Open F.F.P. from 900 m to 915 m 15 min

Tool Closed F.C.I.P. from 915 m to 945 m 30 min

Initial Blow WEAK Building slowly 2" into water

Final Blow WEAK Building slowly 1" into water

Total Feet Recovered 70' SLIPY OIL CUT MUD Gravity of Oil _____ Corrected

70' Feet of show of CLEAR oil on top _____ % Gas 10 % Oil 70 % Mud 20 % Water

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

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

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

Remarks _____

Extra Equipment - Jars _____ Safety Joint _____ Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 5463 Clock No. 23914 Depth 4450 Cir. Sub _____ Sampler _____

Bottom Recorder No. 13200 Clock No. _____ Depth 4453 Insurance _____

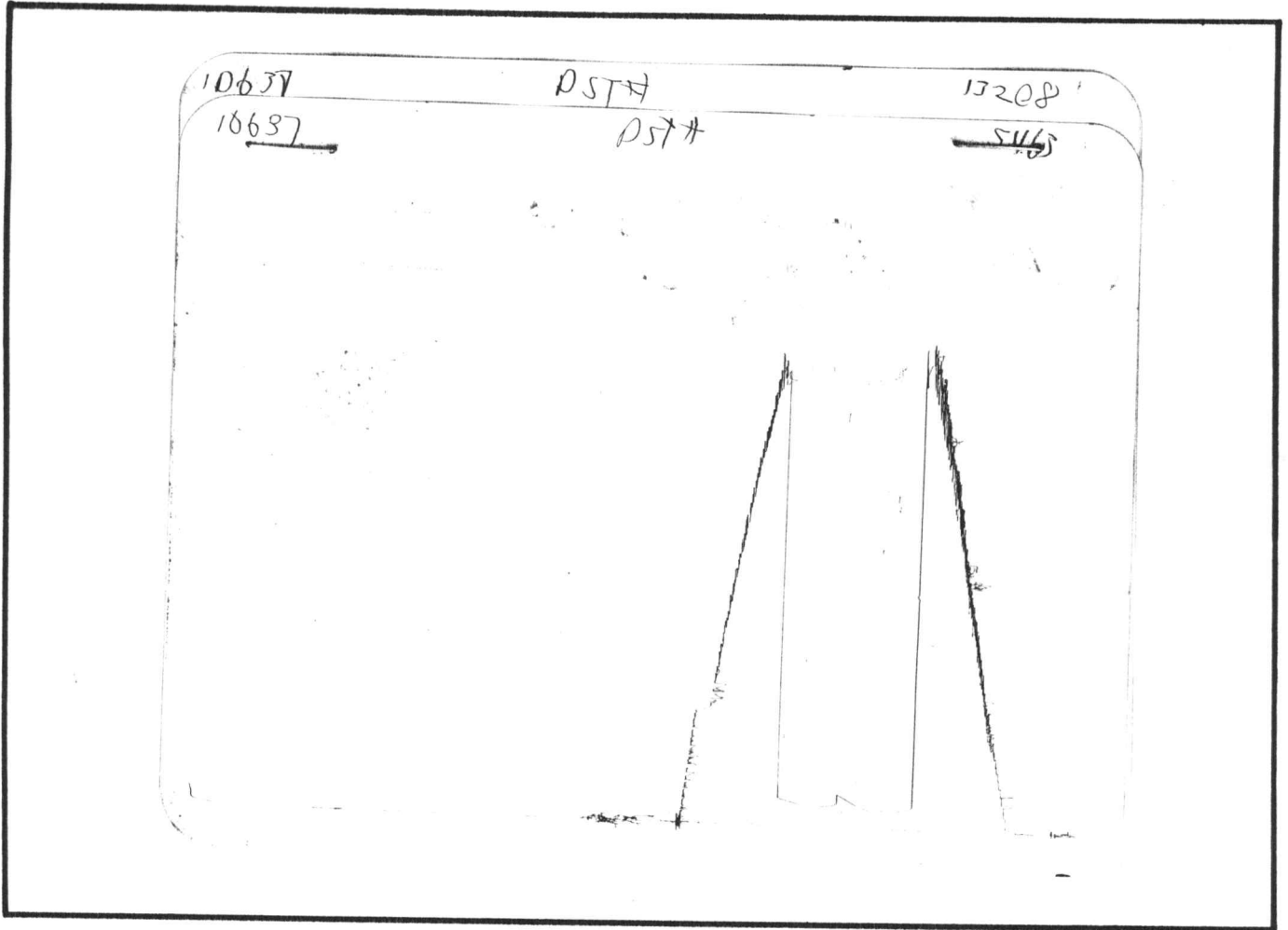
Price of Job _____

Tool Operator Pat Shivers

Approved By _____

No 10637

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.



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	<u>2320</u>	<u>2332</u>	P.S.I.
(B) First Initial Flow Pressure	<u>91</u>	<u>112</u>	P.S.I.
(C) First Final Flow Pressure	<u>91</u>	<u>93</u>	P.S.I.
(D) Initial Closed-in Pressure	<u>164</u>	<u>162</u>	P.S.I.
(E) Second Initial Flow Pressure	<u>100</u>	<u>125</u>	P.S.I.
(F) Second Final Flow Pressure	<u>100</u>	<u>106</u>	P.S.I.
(G) Final Closed-in Pressure	<u>137</u>	<u>142</u>	P.S.I.
(H) Final Hydrostatic Mud	<u>2301</u>	<u>2321</u>	P.S.I.

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ELEV. (GR) : - (KB) : - TEST DATE : 1-21-1989

EQUIPMENT AND HOLE DATA

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TEST INT. KB : 4377 to 4456 DRILL PIPE O.D. (in) : 3.82
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MUD VISCOSITY : 50 BOTTOM PACKER DEPTH(kb) : 4377
MUD CHLORIDES : 19000 DUAL PACKERS :
SURFACE CHOKE : 3/4 PACKER SIZE(in) : 6 3/4
BOTTOM CHOKE(in) : 3/4 PACKER HOLD : Yes
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EXTRA EQUIPMENT :

ELEMENT SERIAL NO. : 5463
RANGE : 0 - 3650 CLOCK RANGE : 12 HOURS
CAL. EQU. : 922.07 * Defl. - 2.47

SURFACE BLOW

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

RECOVERY

*Recovered 70 feet of OIL CUT MUD-10%OIL 70%MUD 20%WATER-CHLORIDES 18000

REMARKS :

WITNESSED BY : DAN DEBOER

TOOL OPERATOR : PAT STEVENSON

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : NATIONAL PET.RESERVES INC. WELL NAME : BARNES ESTATE #26-1
 DATE OF TEST : 1-21-1989 LOCATION : C-SW-SW 14-16-24
 DEPTH : 4450.0 SERIAL NO. : 5463

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
*TEST NO.:2					
Depth : 4450.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.533	2333.14	-.73	2332.41
--8:00 1ST FLOW	0.0	.123	110.95	1.90	112.84
- -8:30	30.0	.102	91.58	1.99	93.58
-8:30 END FLOW	0.0	.102	91.58	1.99	93.58
- - 9:00	30.0	.177	160.74	1.65	162.39
-9:00 1ST SHUT-IN	0.0	.177	160.74	1.65	162.39
-9:00 2ND FLOW	0.0	.137	123.86	1.83	125.69
- - 9:15	15.0	.116	104.49	1.93	106.42
- - 9:15	15.0	.116	104.49	1.93	106.42
-9:15 END FLOW	0.0	.116	104.49	1.93	106.42
- - 9:45	30.0	.155	140.45	1.75	142.20
-2ND SHUT-IN	0.0	.155	140.45	1.75	142.20
-2ND HYDROSTATIC	0.0	2.521	2322.07	-.78	2321.30