

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5652

Name: Mustang Oil & Gas Corporation

Address P.O. Box 1609

City/State/Zip Great Bend, KS 67530

Purchaser: N/A

Operator Contact Person: Raford Clark

Phone (316) 792-7323

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Arden Ratzlaff

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp. Abd. Wichita
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply, etc.)

If OWO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

06-07-91 06-13-91 06-13-91

Spud Date Date Reached TD Completion Date

API NO. 15- 009-24,474

County Barton

100'N of S/2 N/2 NE Sec. 22 Twp. 20 Rge. 12 East West

4390 Ft. North from Southeast Corner of Section

1320 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

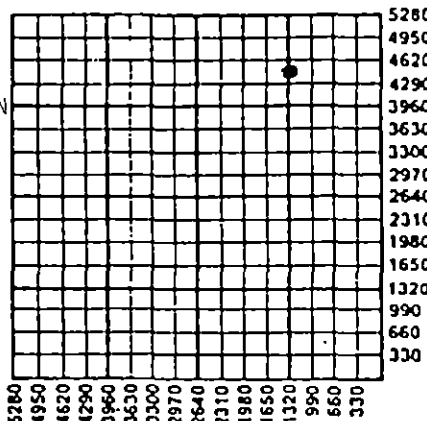
Lease Name Steckel "B" Well # 4

Field Name Workman NW

Producing Formation N/A

Elevation: Ground 1816 KB 1825

Total Depth 3480 PBTD _____



AIT I WFA

Amount of Surface Pipe Set and Cemented at 705 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Stan Brady
Title Vice President Date 7/11/91

Subscribed and sworn to before me this 11th day of July, 19 91.

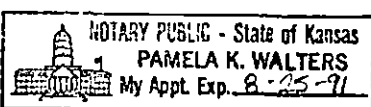
Notary Public Pamela K. Walters
Date Commission Expires August 25, 1991

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
 C Wireline Log Received
 C Drillers Timelog Received

Distribution

KCC SMD/Rep HGPA
 KGS Plug Other (Specify)



P1

SIDE TWO

Operator Name Mustang Oil & Gas Corp. Lease Name Steckel "B" Well # 4

Sec. 22 Twp. 20 Rge. 12 East West
 County Barton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 x(Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Formation Description		
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Name	Top	Bottom
Topeka	2734	(- 817)
Heebner	3010	(-1184)
Toronto	3033	(-1207)
Brown Lime	3133	(-1307)
Lansing	3150	(-1324)
Arbuckle	3394	(-1586)
TD	3481	(-1655)

CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/2"	8-5/8"	24#	705'	60/40poz	300	2% gel 3%cc

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD Size _____ Set At _____ Packer At _____ Liner Run Yes No

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval _____

DRILLER'S WELL LOG

DATE COMMENCED: June 7, 1991
DATE COMPLETED: June 13, 1991

Mustang Oil & Gas Corp.
STECKEL "B" #4
100'N of S/2 N/2 NE
Sec. 22, T20S, R12W
Barton County, Ks.

0 - 609' Surface Soil, Sand, Clay, Shale
609 - 625' Anhydrite
625 - 1520' Clay & Shale
1520 - 3010' Lime & Shale
3010 - 3394' Shale & Lime
3394 - 3481' Dolomite
3481' RTD

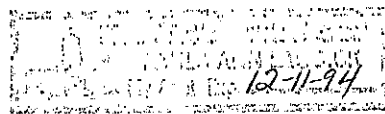
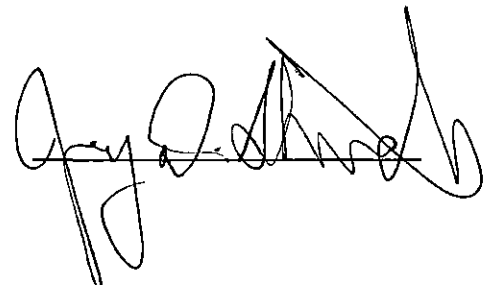
Surface Pipe: Set new
8-5/8", 24# pipe @705'
w/300 sacks 60/40 pozmix
~~6% gel 1# Floseat.~~
2% gel 3% cc

A F F I D A V I T

STATE OF KANSAS
COUNTY OF BARTON) ss

Jay Schneider of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

Subscribed and sworn to before me this 17th day of June 1991.



Paula Ann Landis
Notary Public

RECEIVED
STATE CORPORATION COMMISSION

JUL 18 1991

CONSERVATION COMMISSION
Wichita Kansas

113-483-2627, Russell, Kansas
 Phone 316-792-5861, Great Bend, Kansas

15-009-24474-0000
 Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31
 Russell, Kansas 67665

No. 1097
 ORIGINAL

New

Date <i>June 8-91</i>	Sec. <i>22</i>	Twp. <i>20</i>	Range <i>12</i>	Called Out <i>9:30</i>	On Location <i>11 PM</i>	Job Start <i>4:15</i>	Finish <i>5:15</i>
Lease <i>Steeckel</i>	Well No. <i>1</i>	Location <i>Ward Co. & Dartmouth Jet 2225</i>			County <i>Barber</i>	State <i>Ks</i>	
Contractor <i>Dike # 4</i>				Owner <i>Same</i>			
Type Job <i>Surface</i>				To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Hole Size <i>12 1/4</i>	T.D. <i>710</i>						
Csg. <i>8 7/8</i>	Depth						
Tbg. Size	Depth						
Drill Pipe	Depth						
Tool	Depth						
Cement Left in Csg. <i>43'</i>	Shoe Joint						
Press Max. <i>500 #</i>	Minimum						
Meas Line	Displace <i>15 RBKs</i>						
Perf.							

Charge To <i>Mustang</i>	
Street <i>P.O. Box 1609</i>	
City <i>Great Bend</i> State <i>KANSAS 67530</i>	
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
<input checked="" type="checkbox"/> <i>Bill Nelson</i>	

EQUIPMENT

No.	Cementer	<i>NND</i>
Pumptrk <i>63</i>	Helper <i>G/H</i>	<i>R. Combs.</i>
No.	Cementer	
Pumptrk	Helper <i>G/H</i>	
	Driver <i>M/H</i>	<i>Mark Brungart</i>
Bulktrk <i>208</i>		
Bulktrk	Driver	

CEMENT			
Amount Ordered	<i>300 60/40 2 1/2 66L 3 1/2 CC</i>		
Consisting of			
Common	<i>180</i>	<i>5.25</i>	<i>945.00</i>
Poz. Mix	<i>120</i>	<i>2.25</i>	<i>270.00</i>
Gel.	<i>6</i>	<i>6.75</i>	<i>NIC</i>
Chloride	<i>9</i>	<i>21.00</i>	<i>189.00</i>
Quickset			
Handling	<i>300</i>	<i>1.00</i>	<i>300.00</i>
Mileage	<i>12</i>		<i>144.00</i>
			Total <i>1848.00</i>

DEPTH of Job <i>710</i>	
Reference:	
<i>Pump trk -</i>	<i>380.00</i>
<i>Rubber Plug</i>	<i>63.00</i>
<i>12 miles</i>	<i>24.00</i>
<i>410' .39</i>	<i>159.90</i>
Total	<i>626.90</i>

Remarks: *TX Guide shoe - 220.00*
4 1/2 IN. SRT AFU - 258.00
1- Baker lock - 21.00
499.00
Cement in cellar.

Floating Equipment

Total *\$ 2973.90*
 Disc - *446.09*
 \$ *2527.81*

float held.

FE - ordered by Bill Nelson

NO WARRANTY ON FLOAT EQUIPMENT

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

16.009.24474.0000
 Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No. 1098

ORIGINAL

06-13-91 NEW

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
JUNE 14-91	22	20	12		3:30	3:45 PM	8:50 AM
Lease	Well No.	Hole No.		Location		County	State
Steckel	R#4	Hole No. 25		w/lot 25		Darton	Ks
Contractor				Owner			
Duke Drilling Rig 4				Same			
Type Job				To Allied Cementing Co., Inc.			
Plug abandon				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size		T.D.		Charge To			
7 7/8		3394		Mustang Oil & Gas Corp			
Csg.		Depth		Street			
8 5/8		710'		P.O. Box 1609			
Tbg. Size		Depth		City			
				Great Bend			
Drill Pipe		Depth		State			
				Kans 67530			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
				Purchase Order No.			
Cement Left in Csg.		Shoe Joint		X <i>[Signature]</i>			
Press Max.		Minimum		CEMENT			
Meas Line		Displace		Amount Ordered			
				170 ⁶⁰ / 40 6 906el. 1/4 # phases per 3K.			
Perf.				Consisting of			
				Common 10.2 5.25 535.50			
				Poz. Mix 6.8 2.25 153.00			
				Gel. 10 6.75 67.50			
				Chloride			
				Quickset			
				F10 Seal 4.3 1.00 43.00			
				Handling 170 1.00 170.00			
				Mileage 12 81.60			
				Sub-Total			
				Total 1050.60			

EQUIPMENT

Pumptrk	No.	Cementer	NND
	181	Helper	
Pumptrk	No.	Cementer	S. Klepper
		Helper	
Bulktrk		Driver	
	179	Driver	

DEPTH of Job.	3394
Reference:	Pump trk. 475.00
12	Mileage 24.00
	Sub-Total
	Sub-Total
	Total 499.00

Remarks: 3394 w/ 25 SKS
 Drilling mud to 755 w/ 40 SKS.
 Drilling mud to 500 w/ 80 SKS
 " " to 40' w/ 10 SKS
 15 SKS Rat hole

Amount Ordered	170 ⁶⁰ / 40 6 906el. 1/4 # phases per 3K.
Consisting of	
Common	10.2 5.25 535.50
Poz. Mix	6.8 2.25 153.00
Gel.	10 6.75 67.50
Chloride	
Quickset	
	F10 Seal 4.3 1.00 43.00
	Handling 170 1.00 170.00
	Mileage 12 81.60
	Sub-Total
	Total 1050.60
Floating Equipment	
	Total \$ 1549.60
	Disc - 232.44

RECEIVED
 STATE CORPORATION COMMISSION

\$ 1317.16

JUL 18 1991

CONSERVATION DIVISION
 Wichita, Kansas

Superior Testers Enterprises, Inc.

ORIGINAL

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

15-009.24474.0000

(316) 792-6902

Date 6-11-1991 Location 100' N 91° 27' 1/2" W E 22-20° 12' W Elevation _____ County BARTON

Company MUSTANG OIL & GAS CORPORATION Number of Copies 5

Charts Mailed to P.O. Box 1609 GREAT BEND KANSAS 67530

Drilling Contractor Duke Drilling Rig #4

Length Drill Pipe 2798 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H.

Length Weight Pipe 193 I.D. Weight Pipe 2.75 Tool Joint Size 4 1/2" X.H.

Length Drill Collars 122 I.D. Drill Collars 4 1/2" X.H. Tool Joint Size 2.25

Top Packer Depth 3130 Bottom Packer Depth 3135 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3135 TO 3198 ANCHOR LENGTH 63 TOTAL DEPTH 3198 Hole Size 7 1/8"

LEASE & WELL NO. Steckel "B" #4 FORMATION TESTED KANSAS CITY TEST NO. 1

Mud Weight 8.8 Viscosity 43 Water Loss 8.8 Chlorides - Pits 5000 D.S.T. _____

Maximum Temp. 107 °F Initial Hydrostatic Pressure (A) 01633 P.S.I. Final Hydrostatic Pressure (H) 1590 P.S.I.

Tool Open I.F.P. from 7:45 A.m. to 8:15 A.m. 30 min

Tool Closed I.C.I.P. from 8:15 A.m. to 9:00 A.m. 45 min

Tool Open F.F.P. from 9:00 A.m. to 10:00 A.m. 90 min

Tool Closed F.C.I.P. from 10:00 A.m. to 11:30 A.m. 90 min

from [B] <u>58</u> P.S.I. to [C] <u>43</u> P.S.I.
[D] <u>311</u> P.S.I.
from [E] <u>58</u> P.S.I. to [F] <u>58</u> P.S.I.
[G] <u>55</u> P.S.I.

Initial Blow WEAK building blow - built to 9 inches into the water

Final Blow WEAK building blow - built to 9 inches into the water

Total Feet Recovered 40 Gravity of Oil _____ Corrected

325 Feet of GAS in the pipe %Gas _____ %Oil _____ %Mud _____ %Water _____

40 Feet of Very Slightly oil cut mud %Gas 0 %Oil 3 %Mud 97 %Water 0

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 _____

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. 906 Clock No. 47441 Depth 3192 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13561 Clock No. 47442 Depth 3195 Insurance NONE

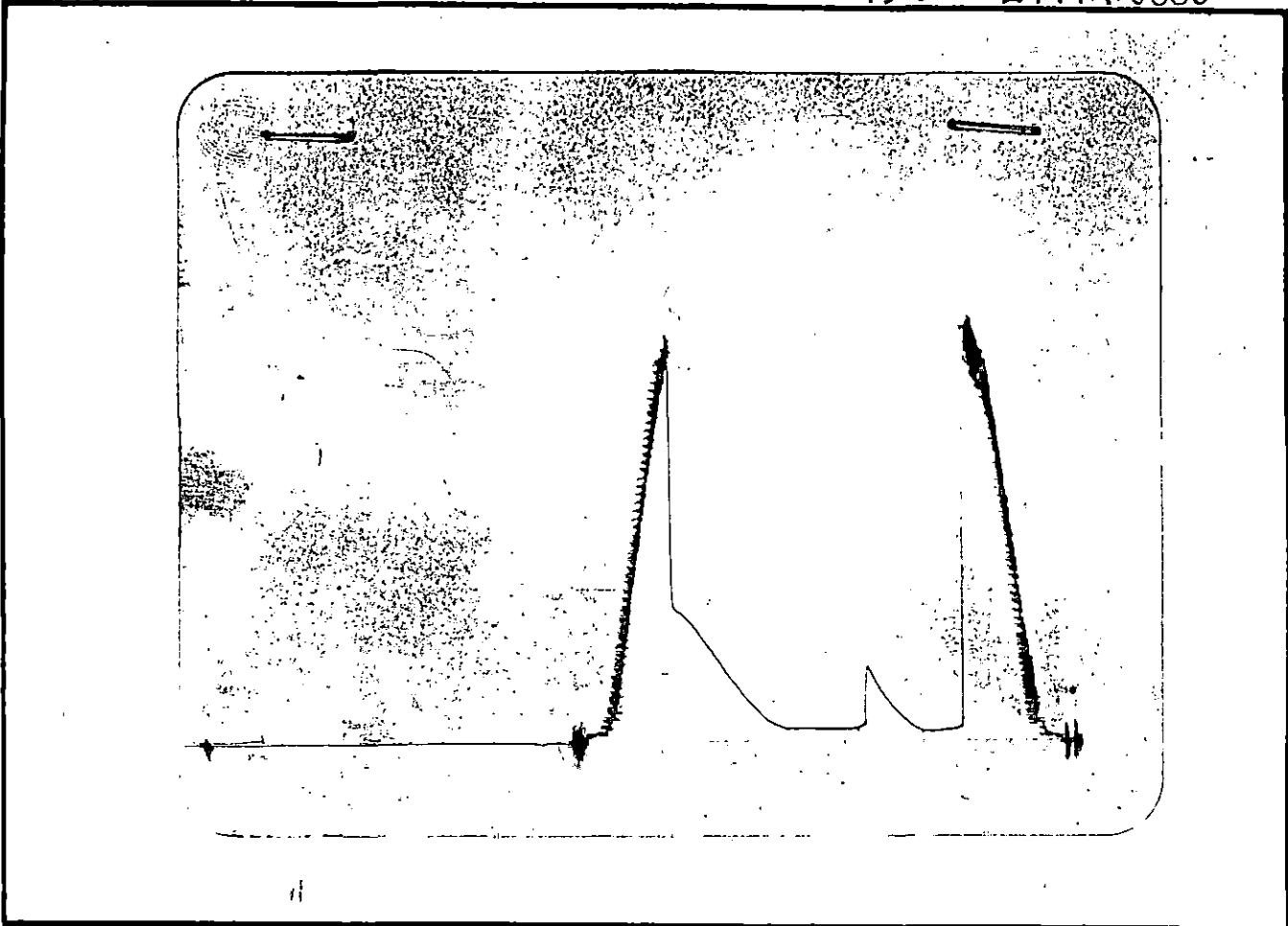
Price of Job _____

Tool Operator Gene Budig

Approved By _____

No 10905

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	1633	1634	P.S.I.
(B) First Initial Flow Pressure	58	57	P.S.I.
(C) First Final Flow Pressure	43	39	P.S.I.
(D) Initial Closed-in Pressure	311	297	P.S.I.
(E) Second Initial Flow Pressure	58	62	P.S.I.
(F) Second Final Flow Pressure	58	50	P.S.I.
(G) Final Closed-in Pressure	551	527	P.S.I.
(H) Final Hydrostatic Mud	1590	1555	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : MUSTANG OIL AND GAS WELL NAME : STECKLE "B" #4
 ADDRESS : P.O. BOX 1609, GREAT BEND LOCATION : 100'N SW-N/2-NE22-20S-12W
 STATE & COUNTY : KANSAS, BARTON FIELD :
 ELEV.(GR) : N/A (KB) : N/A TEST DATE : 6-11-1991

EQUIPMENT AND HOLE DATA

FORMATION TESTED : KANSAS CITY DRILL PIPE LENGTH(ft) : 2798
 TEST INT. KB : 3135 to 3198 DRILL PIPE O.D.(in) : 3.82
 ANCHOR LENGTH(ft) : 63 WEIGHT PIPE LENGTH(ft) : 122
 TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
 TOTAL DEPTH(ft-kb) : 3198 DRILL COLLAR LENGTH(ft) : 122
 MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259
 MUD WEIGHT : 8.8 TOP PACKER DEPTH(kb) : 3130
 MUD VISCOSITY : 43 BOTTOM PACKER DEPTH(kb) : 3135
 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) : 107 TEST TICKET NUMBER : 10905

EXTRA EQUIPMENT : -SAFETY JOINT

ELEMENT SERIAL NO. : 906
 RANGE : 0 - 2875 CLOCK RANGE : 12 HOURS
 CAL. EQU. : 720.06 * Defl. + 3.83

SURFACE BLOW

1st Opening : WEAK BLOW BUILT TO 9 INCHES INTO THE WATER
 2nd Opening : WEAK BLOW BUILT TO 9 INCHES INTO THE WATER

RECOVERY

Recovered 325 feet of GAS IN THE PIPE
 Recovered 40 feet of VERY SLIGHTLY OIL CUT MUD

REMARKS :

WITNESSED BY : ARDEN RATZLAFF TOOL OPERATOR : GENE BUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : MUSTANG OIL AND GAS
DATE OF TEST : 6-11-1991
DEPTH : 3192.0

WELL NAME : STECKLE "B" #4
LOCATION : 100'N SW-N/2-NE22-20S-12W
SERIAL NO. : 906

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	----- CORRECTED
TEST NO.:1					
Depth : 3192.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.262	1632.60	2.07	1634.67
-7:45 1ST FLOW	0.0	.079	60.72	-3.39	57.33
- 7:50	5.0	.069	53.52	-3.44	50.07
- 7:55	10.0	.062	48.48	-3.48	44.99
- 8:00	15.0	.062	48.48	-3.48	44.99
- 8:05	20.0	.056	44.16	-3.52	40.64
- 8:10	25.0	.056	44.16	-3.52	40.64
- 8:15	30.0	.055	43.44	-3.52	39.91
-8:15 END FLOW	0.0	.055	43.44	-3.52	39.91
- 8:18	3.0	.058	45.60	-3.51	42.09
- 8:21	6.0	.068	52.80	-3.45	49.35
- 8:24	9.0	.079	60.72	-3.39	57.33
- 8:27	12.0	.098	74.40	-3.28	71.12
- 8:30	15.0	.120	90.24	-3.16	87.08
- 8:33	18.0	.143	106.80	-3.03	103.77
- 8:36	21.0	.165	122.64	-2.90	119.74
- 8:39	24.0	.190	140.64	-2.76	137.88
- 8:42	27.0	.219	161.52	-2.60	158.93
- 8:45	30.0	.244	179.53	-2.46	177.07
- 8:48	33.0	.276	202.57	-2.28	200.29
- 8:51	36.0	.310	227.05	-2.09	224.96
- 8:54	39.0	.352	257.29	-1.85	255.44
- 8:57	42.0	.394	287.53	-1.61	285.92
- 8:59	44.0	.410	299.06	-1.52	297.53
-8:59 1ST SHUT-IN	0.0	.410	299.06	-1.52	297.53
-8:59 2ND FLOW	0.0	.086	65.76	-3.35	62.41
- 9:04	5.0	.076	58.56	-3.40	55.15
- 9:09	10.0	.072	55.68	-3.43	52.25
- 9:14	15.0	.072	55.68	-3.43	52.25
- 9:19	20.0	.069	53.52	-3.44	50.07
- 9:24	25.0	.069	53.52	-3.44	50.07
- 9:29	30.0	.069	53.52	-3.44	50.07
- 9:34	35.0	.069	53.52	-3.44	50.07
- 9:39	40.0	.069	53.52	-3.44	50.07
- 9:44	45.0	.069	53.52	-3.44	50.07
- 9:49	50.0	.069	53.52	-3.44	50.07
- 9:54	55.0	.069	53.52	-3.44	50.07
- 9:59	60.0	.069	53.52	-3.44	50.07
-9:59 END FLOW	0.0	.069	53.52	-3.44	50.07
- 10:02	3.0	.069	53.52	-3.44	50.07

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

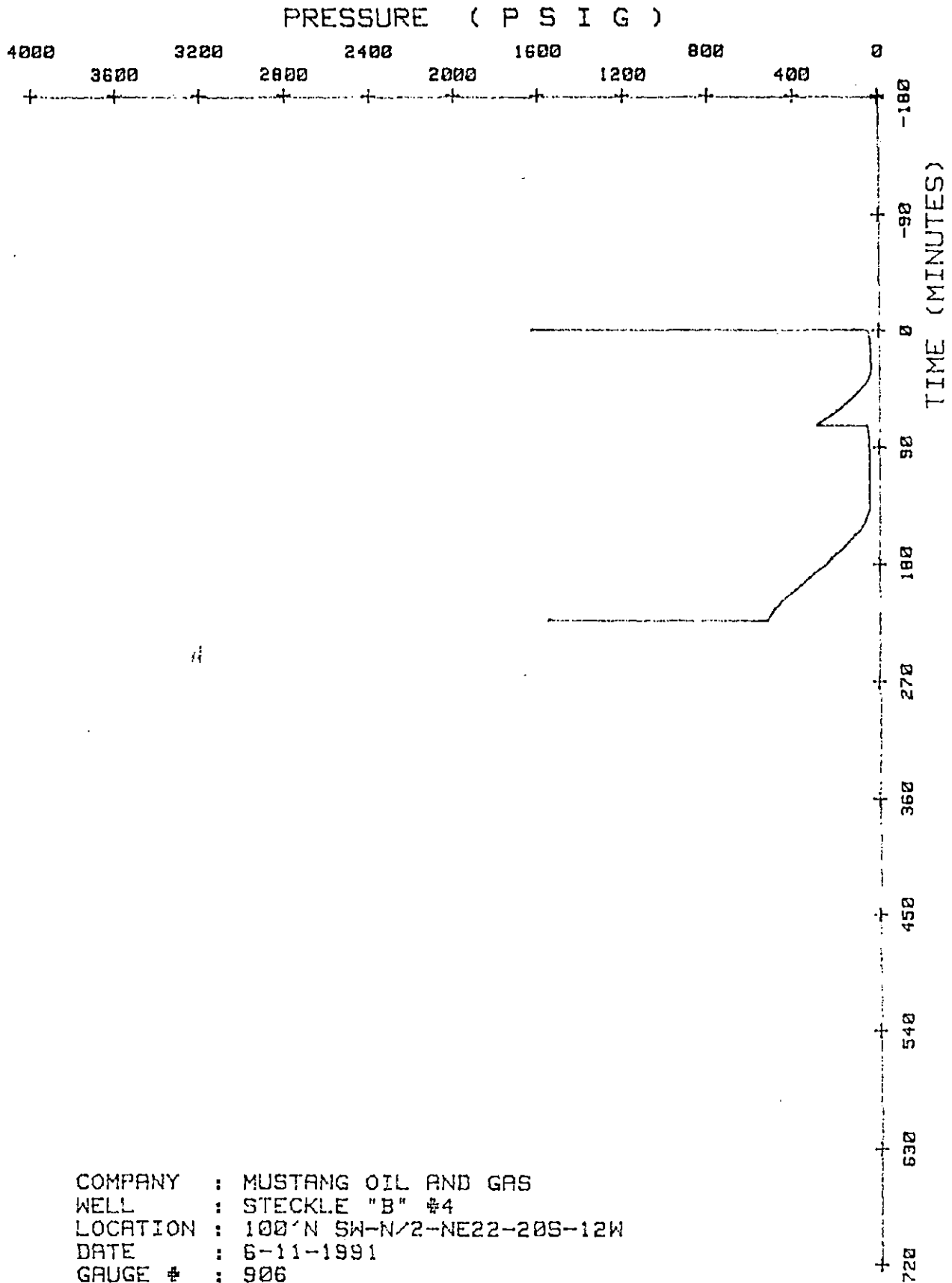
COMPANY : MUSTANG OIL AND GAS
DATE OF TEST : 6-11-1991
DEPTH : 3192.0

WELL NAME : STECKLE "B" #4
LOCATION : 100'N SW-N/2-NE22-20S-12W
SERIAL NO. : 906

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:1					
- 10:05	6.0	.074	57.12	-3.42	53.70
- 10:08	9.0	.083	63.60	-3.37	60.23
- 10:11	12.0	.093	70.80	-3.31	67.49
- 10:14	15.0	.105	79.44	-3.24	76.20
- 10:17	18.0	.117	88.08	-3.17	84.91
- 10:20	21.0	.133	99.60	-3.08	96.52
- 10:23	24.0	.158	117.60	-2.94	114.66
- 10:26	27.0	.184	136.32	-2.80	133.53
- 10:29	30.0	.206	152.16	-2.67	149.49
- 10:32	33.0	.228	168.01	-2.55	165.46
- 10:35	36.0	.251	184.57	-2.42	182.15
- 10:38	39.0	.282	206.89	-2.24	204.64
- 10:41	42.0	.311	227.77	-2.08	225.69
- 10:44	45.0	.335	245.05	-1.95	243.11
- 10:47	48.0	.360	263.05	-1.80	261.25
- 10:50	51.0	.396	288.97	-1.60	287.37
- 10:53	54.0	.428	312.02	-1.42	310.60
- 10:56	57.0	.455	331.46	-1.27	330.19
- 10:59	60.0	.487	354.50	-1.09	353.41
- 11:02	63.0	.513	373.22	-.94	372.28
- 11:05	66.0	.543	394.82	-.77	394.05
- 11:08	69.0	.575	417.86	-.59	417.27
- 11:11	72.0	.606	440.19	-.42	439.77
- 11:14	75.0	.633	459.63	-.27	459.36
- 11:17	78.0	.657	476.91	-.13	476.78
- 11:20	81.0	.679	492.75	-.01	492.74
- 11:23	84.0	.696	504.99	.09	505.08
- 11:26	87.0	.712	516.51	.18	516.69
- 11:29	90.0	.727	527.31	.26	527.58
-11:29 2ND SHUT-IN	0.0	.727	527.31	.26	527.58
-2ND HYDROSTATIC	0.0	2.152	1553.39	2.48	1555.87

ORIGINAL

15.009.24474.0000



COMPANY : MUSTANG OIL AND GAS
WELL : STECKLE "B" #4
LOCATION : 100' N SW-N/2-NE22-205-12W
DATE : 6-11-1991
GAUGE # : 906

ORIGINAL

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 6-12-1991 Location 100' S12-N12-W6 22-20-12^W Elevation _____ County Barton

Company MUSTANG OIL & GAS CORPORATION Number of Copies 5

Charts Mailed to P.O. Box 1609 GREAT BEND KANSAS 67530

Drilling Contractor Duke Drilling Rig #4

Length Drill Pipe 2958 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H.

Length Weight Pipe 193 I.D. Weight Pipe 2.75 Tool Joint Size 4 1/2" X.H.

Length Drill Collars 122 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 3290 Bottom Packer Depth 3295 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3295 TO 3358 ANCHOR LENGTH 63 TOTAL DEPTH 3358 Hole Size 7 7/8"

LEASE & WELL NO. STECKEL "B" #4 FORMATION TESTED KANSAS CITY TEST NO. 2

Mud Weight 9.4 Viscosity 41 Water Loss 10.4 Chlorides - Pits 5000 D.S.T. _____

Maximum Temp. 108 °F Initial Hydrostatic Pressure (A) 1755 P.S.I. Final Hydrostatic Pressure (H) 1704 P.S.I.

Tool Open I.F.P. from 4:30 A.m to 5:00 A.m 30 min from [B] 58 P.S.I. to [C] 43 P.S.I.

Tool Closed I.C.I.P. from 5:00 A.m to 5:30 A.m 30 min [D] 326 P.S.I.

Tool Open F.F.P. from 5:30 A.m to 6:00 A.m 30 min from [E] 87 P.S.I. to [F] 79 P.S.I.

Tool Closed F.C.I.P. from 6:00 A.m to 6:30 A.m 30 min [G] 253 P.S.I.

Initial Blow WEAK blow for 5 minutes died

Final Blow NO blow - Flushed tool after 10 minutes - Good Surge - No help

Total Feet Recovered 30 Gravity of Oil _____ Corrected _____

<u>30</u> Feet of <u>MUD with a show of oil on top</u>	% 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
_____ 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. 906 Clock No. 47441 Depth 3352 Cir. Sub None Sampler None

Bottom Recorder No. 13561 Clock No. 47442 Depth 3355 Insurance None

Price of Job _____

Tool Operator Jane Ludwig

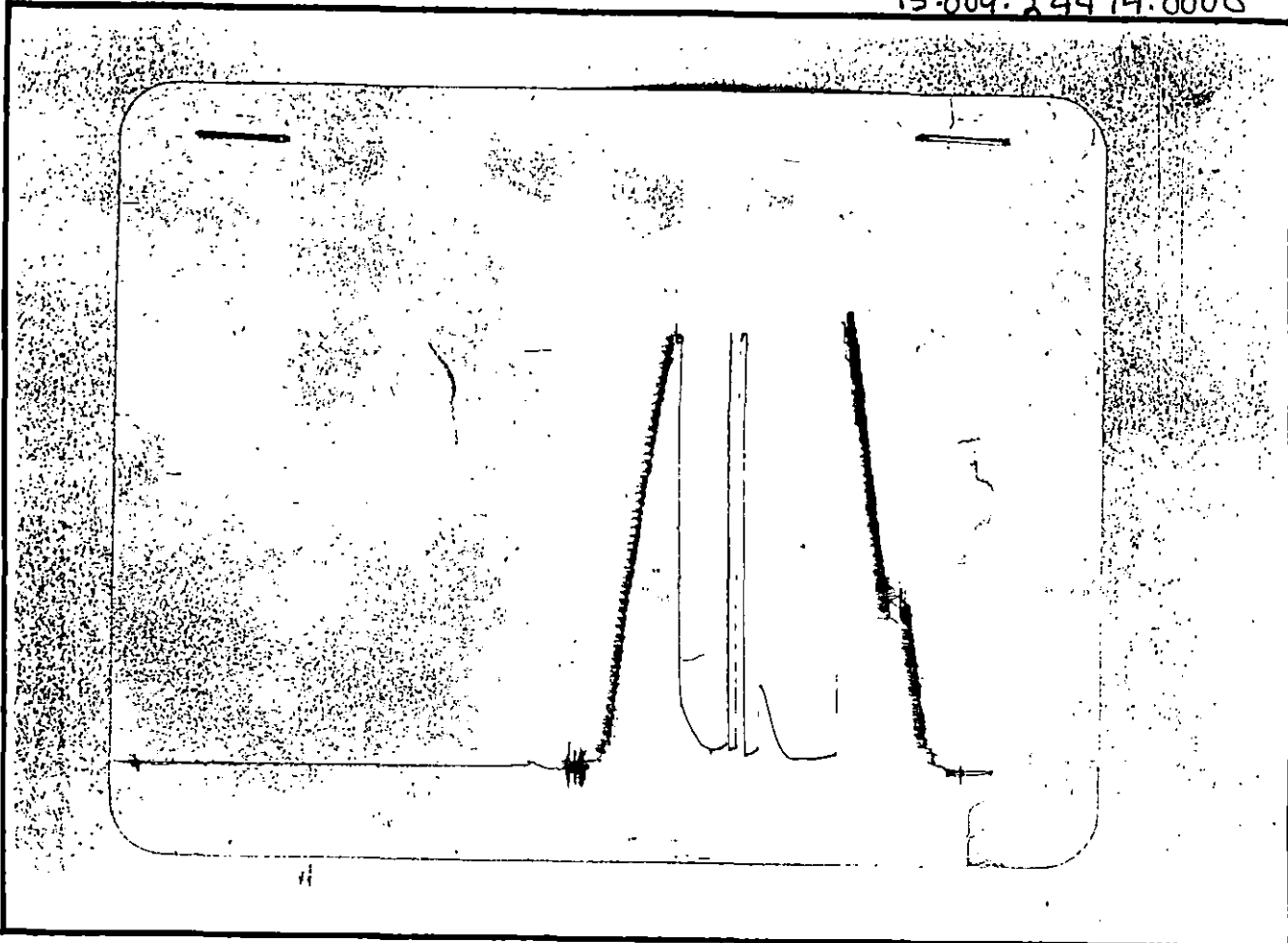
Approved By _____
No 10906

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.

ORIGINAL

15-009.24474.0000

COMPANY Mustang Oil & Gas
LEASE - WELL NO Steckel "B" #4
SEC 22 TWP 20 S RGE 12 W TEST NO. 2
DATE 6-12-1991



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1755	1751	P.S.I.
(B) First Initial Flow Pressure	58	57	P.S.I.
(C) First Final Flow Pressure	43	42	P.S.I.
(D) Initial Closed-in Pressure	326	317	P.S.I.
(E) Second Initial Flow Pressure	87	72	P.S.I.
(F) Second Final Flow Pressure	79	71	P.S.I.
(G) Final Closed-in Pressure	253	240	P.S.I.
(H) Final Hydrostatic Mud	1704	1692	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : MUSTANG OIL AND GAS WELL NAME : STECKLE "B" #4
 ADDRESS : P.O. BOX 1609, GREAT BEND LOCATION : 100'N SW-N/2-NE22-20S-12W
 STATE & COUNTY : KANSAS, BARTON FIELD :
 ELEV.(GR) : N/A (KB) : N/A TEST DATE : 6-12-1991

EQUIPMENT AND HOLE DATA

FORMATION TESTED : KANSAS CITY DRILL PIPE LENGTH(ft) : 2958
 TEST INT. KB : 3295 to 3358 DRILL PIPE O.D.(in) : 3.82
 ANCHOR LENGTH(ft) : 63 WEIGHT PIPE LENGTH(ft) : 193
 TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
 TOTAL DEPTH(ft-*kb*) : 3358 DRILL COLLAR LENGTH(ft) : 122
 MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259
 MUD WEIGHT : 9.4 TOP PACKER DEPTH(*kb*) : 3290
 MUD VISCOSITY : 41 BOTTOM PACKER DEPTH(*kb*) : 3295
 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) : 108 TEST TICKET NUMBER : 10906

EXTRA EQUIPMENT : -SAFETY JOINT

ELEMENT SERIAL NO. : 906
 RANGE : 0 - 2875 CLOCK RANGE : 12 HOURS
 CAL. EQU. : 720.06 * Defl. + 3.83

SURFACE BLOW

1st Opening : WEAK BLOW FOR 5 MINUTES AND DIED
 2nd Opening : NO BLOW-FLUSHED TOOL-GOOD SURGE-NO HELP

RECOVERY

Recovered 30 feet of MUD WITH A SHOW OF OIL ON TOP

REMARKS :

WITNESSED BY : ARDEN RATZLAFF TOOL OPERATOR : GENE BUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

ORIGINAL

15.009.24474.0000

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

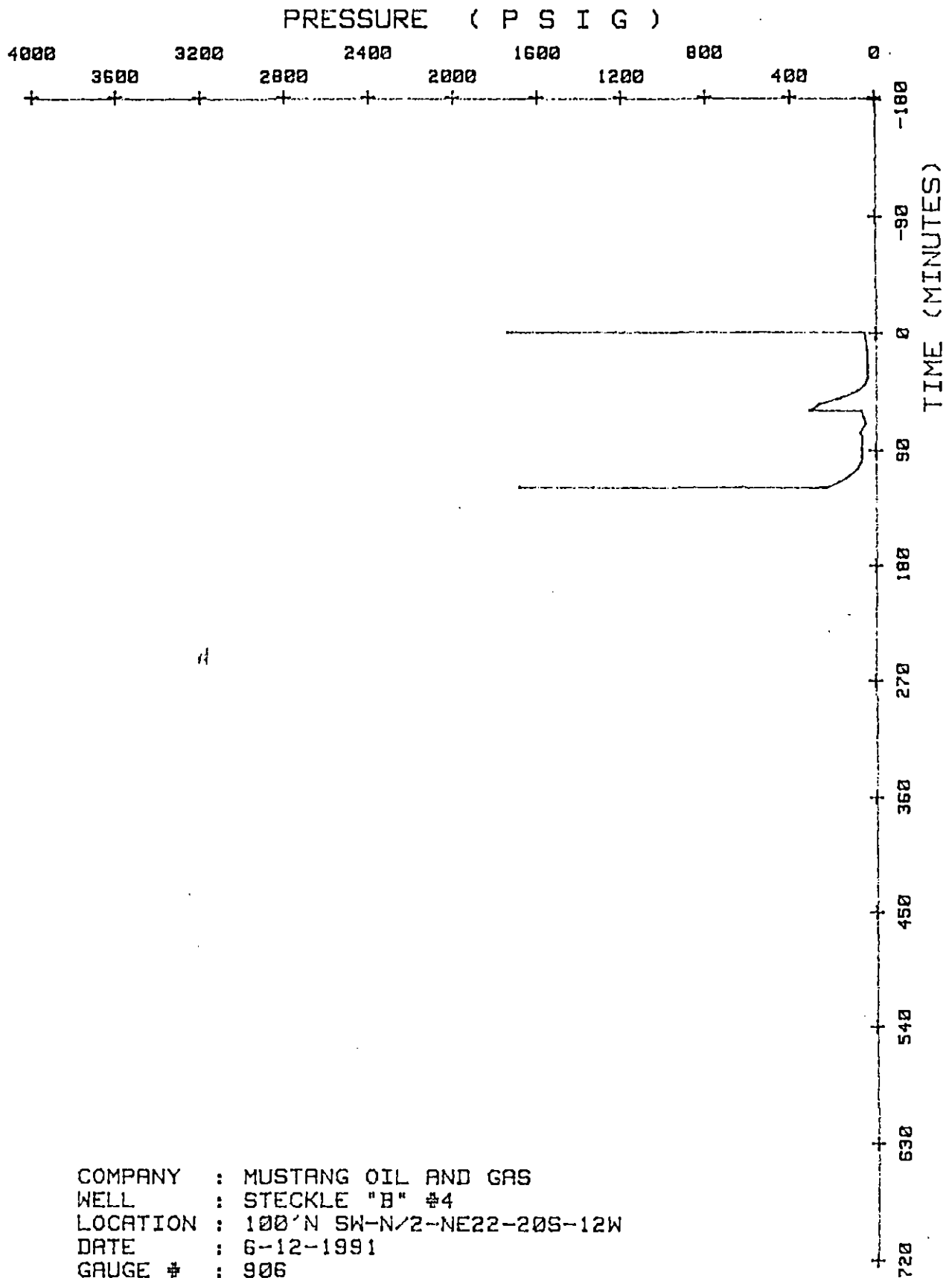
COMPANY : MUSTANG OIL AND GAS
 DATE OF TEST : 6-12-1991
 DEPTH : 3352.0

WELL NAME : STECKLE "B" #4
 LOCATION : 100'N SW-N/2-NE22-20S-12W
 SERIAL NO. : 906

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:2					
Depth : 3352.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.425	1749.97	1.46	1751.43
-4:30 1ST FLOW	0.0	.079	60.72	-3.39	57.33
- 4:35	5.0	.071	54.96	-3.43	51.52
- 4:40	10.0	.065	50.64	-3.47	47.17
- 4:45	15.0	.061	47.76	-3.49	44.27
- 4:50	20.0	.058	45.60	-3.51	42.09
- 4:55	25.0	.058	45.60	-3.51	42.09
- 5:00	30.0	.058	45.60	-3.51	42.09
- 4:30	0.0	.058	45.60	-3.51	42.09
-5:00 END FLOW	0.0	.058	45.60	-3.51	42.09
- 5:05	5.0	.058	45.60	-3.51	42.09
- 5:10	10.0	.077	59.28	-3.40	55.88
- 5:15	15.0	.131	98.16	-3.09	95.07
- 5:20	20.0	.232	170.89	-2.53	168.36
- 5:25	25.0	.376	274.57	-1.71	272.86
- 5:30	30.0	.438	319.22	-1.37	317.85
-5:30 1ST SHUT-IN	0.0	.438	319.22	-1.37	317.85
-5:30 2ND FLOW	0.0	.100	75.84	-3.27	72.57
- 5:35	5.0	.084	64.32	-3.36	60.96
- 5:40	10.0	.070	54.24	-3.44	50.80
- 5:47	17.0	.110	83.04	-3.21	79.83
- 5:50	20.0	.096	72.96	-3.29	69.67
- 5:53	23.0	.093	70.80	-3.31	67.49
- 6:00	30.0	.099	75.12	-3.28	71.84
- 5:30	0.0	.099	75.12	-3.28	71.84
-6:00 END FLOW	0.0	.099	75.12	-3.28	71.84
- 6:05	5.0	.096	72.96	-3.29	69.67
- 6:10	10.0	.102	77.28	-3.26	74.02
- 6:15	15.0	.127	95.28	-3.12	92.16
- 6:20	20.0	.174	129.12	-2.85	126.27
- 6:25	25.0	.242	178.09	-2.47	175.62
- 6:30	30.0	.331	242.17	-1.97	240.20
-6:30 2ND SHUT-IN	0.0	.332	242.89	-1.96	240.93
-2ND HYDROSTATIC	0.0	2.343	1690.92	1.77	1692.69

ORIGINAL

15-009-24474-0000



COMPANY : MUSTANG OIL AND GAS
WELL : STECKLE "B" #4
LOCATION : 100'N SW-N/2-NE22-20S-12W
DATE : 6-12-1991
GAUGE # : 906

Superior Testers Enterprises, Inc.

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

(316) 792-6902

ORIGINAL

15-009-24474-0000

Date 1-12-1991 Location 100' S12-W12-NE 22-20-12 Elevation _____ County BARTON

Company MUSTANG OIL & GAS CORPORATION Number of Copies 5

Charts Mailed to P.O. Box 1609 Great Bend Kansas 67530

Drilling Contractor Duke Drilling Rig #4

Length Drill Pipe 3416 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H.

Length Weight Pipe 193 I.D. Weight Pipe 2.75 Tool Joint Size 4 1/2" X.H.

Length Drill Collars 122 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 3372 Bottom Packer Depth 3377 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3377 TO 3416 ANCHOR LENGTH 39 TOTAL DEPTH 3416 Hole Size 7 7/8"

LEASE & WELL NO. STECKEL "B" #4 FORMATION TESTED ARKWOLLE TEST NO. 3

Mud Weight 9.4 Viscosity 49 Water Loss 9.4 Chlorides - Pits 6000 D.S.T. _____

Maximum Temp. 109 °F Initial Hydrostatic Pressure (A) 1833 P.S.I. Final Hydrostatic Pressure (H) 1798 P.S.I.

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

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

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

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

Initial Blow WEAK Blow For 7 minutes AND DIED

Final Blow no blow

Total Feet Recovered 5 Gravity of Oil _____ Corrected _____

5 Feet of Drilling Mud % 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 _____

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

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

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_____ 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 _____

_____ 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. 906 Clock No. 47441 Depth 3410 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13561 Clock No. 47442 Depth 3413 Insurance NONE

Price of Job _____

Tool Operator Steve Budig

Approved By _____

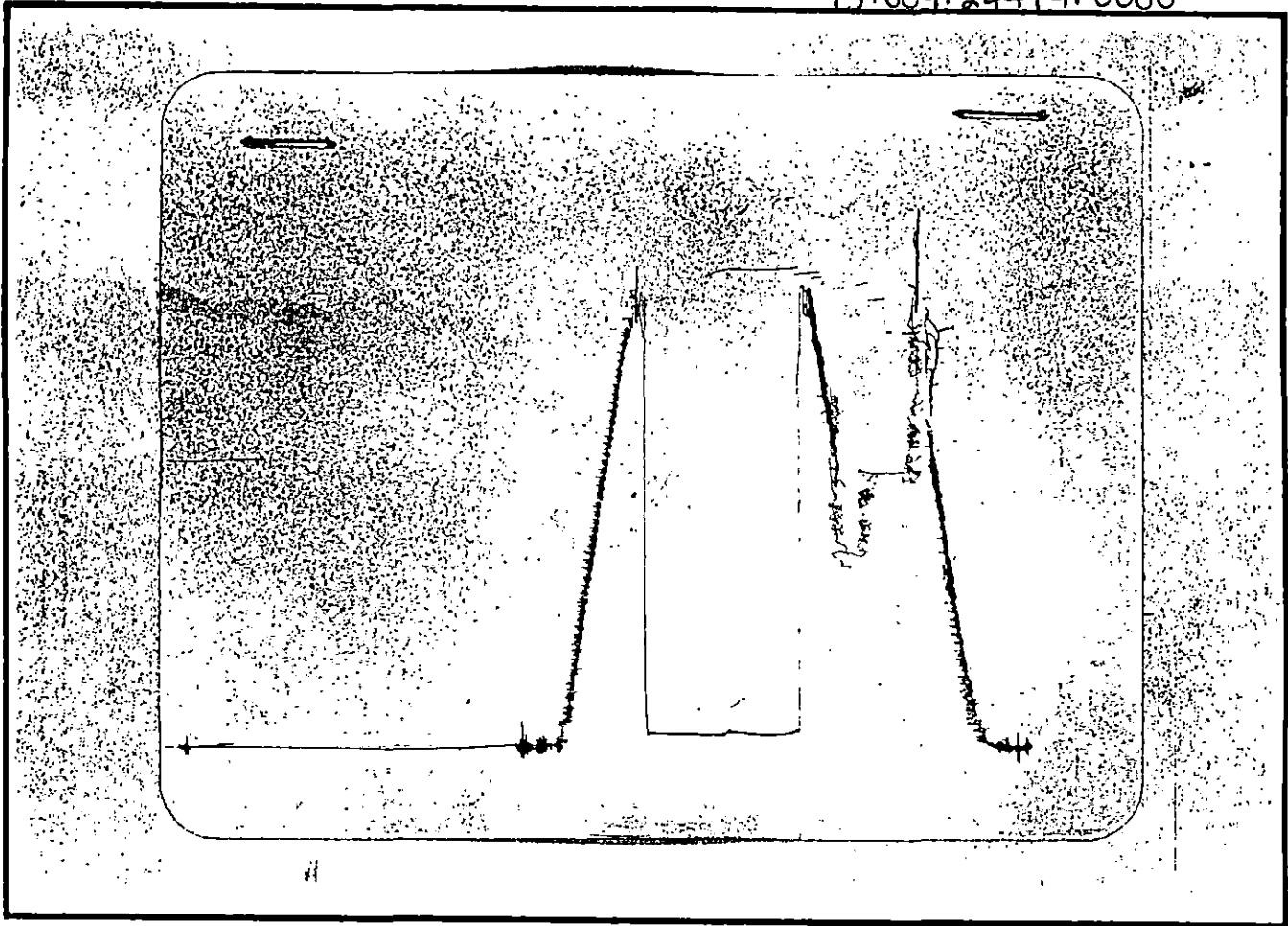
No 10907

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.

ORIGINAL

15.009.24474.0000

COMPANY Mustang Oil & Gas LEASE - WELL NO Steckel "B" #4 SEC 22 TWP 20s RGE 12w TEST NO 3 DATE 6-12-1991



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1833	1817	P.S.I.
(B) First Initial Flow Pressure	50	66	P.S.I.
(C) First Final Flow Pressure	43	44	P.S.I.
(D) Initial Closed-in Pressure	65	53	P.S.I.
(E) Second Initial Flow Pressure	43	44	P.S.I.
(F) Second Final Flow Pressure	50	44	P.S.I.
(G) Final Closed-in Pressure	58	47	P.S.I.
(H) Final Hydrostatic Mud	1798	1759	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : MUSTANG OIL AND GAS WELL NAME : STECKLE "B" #4
 ADDRESS : P.O. BOX 1609, GREAT BEND LOCATION : 100'N SW-N/2-NE22-20S-12W
 STATE & COUNTY : KANSAS, BARTON FIELD :
 ELEV.(GR) : N/A (KB) : N/A TEST DATE : 6-12-1991

EQUIPMENT AND HOLE DATA

FORMATION TESTED : ARBUCKLE DRILL PIPE LENGTH(ft) : 3040
 TEST INT. KB : 3377 to 3416 DRILL PIPE O.D.(in) : 3.82
 ANCHOR LENGTH(ft) : 39 WEIGHT PIPE LENGTH(ft) : 193
 TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
 TOTAL DEPTH(ft-kb) : 3416 DRILL COLLAR LENGTH(ft) : 122
 MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259
 MUD WEIGHT : 9.6 TOP PACKER DEPTH(kb) : 3372
 MUD VISCOSITY : 49 BOTTOM PACKER DEPTH(kb) : 3377
 MUD CHLORIDES : 6000 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) : 109 TEST TICKET NUMBER : 10907

EXTRA EQUIPMENT : --SAFETY JOINT

ELEMENT SERIAL NO. : 906
 RANGE : 0 - 2875 CLOCK RANGE : 12 HOURS
 CAL. EQU. : 720.06 * Defl. + 3.83

SURFACE BLOW

1st Opening : WEAK BLOW FOR 7 MINUTES AND DIED
 2nd Opening : NO BLOW

RECOVERY

Recovered 5 feet of DRILLING MUD

REMARKS :

WITNESSED BY : ARDEN RATZLAFF TOOL OPERATOR : GENE BUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

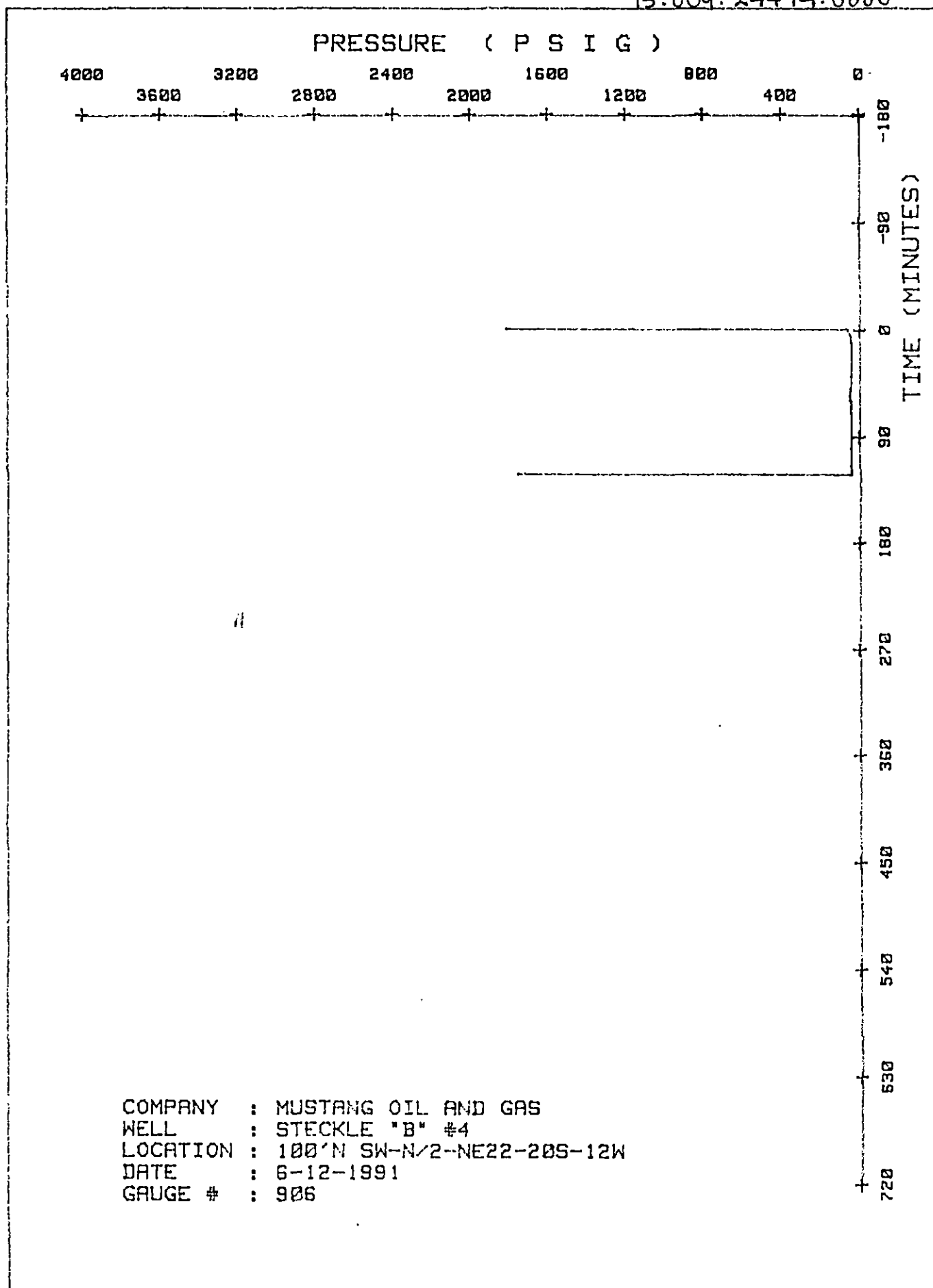
COMPANY : MUSTANG OIL AND GAS
 DATE OF TEST : 6-12-1991
 DEPTH : 3410.0

WELL NAME : STECKLE "B" #4
 LOCATION : 100'N SW-N/2-NE22-20S-12W
 SERIAL NO. : 906

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:3					
Depth : 3410.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.517	1816.21	1.12	1817.34
-6:30 1ST FLOW	0.0	.091	69.36	-3.32	66.04
- 6:35	5.0	.070	54.24	-3.44	50.80
- 6:40	10.0	.063	49.20	-3.48	45.72
- 6:45	15.0	.060	47.04	-3.49	43.54
- 6:50	20.0	.060	47.04	-3.49	43.54
- 6:55	25.0	.060	47.04	-3.49	43.54
- 7:00	30.0	.060	47.04	-3.49	43.54
-7:00 END FLOW	0.0	.060	47.04	-3.49	43.54
- 7:05	5.0	.062	48.48	-3.48	44.99
- 7:10	10.0	.064	49.92	-3.47	46.44
- 7:15	15.0	.065	50.64	-3.47	47.17
- 7:20	20.0	.068	52.80	-3.45	49.35
- 7:25	25.0	.072	55.68	-3.43	52.25
- 7:30	30.0	.074	57.12	-3.42	53.70
-7:30 1ST SHUT-IN	0.0	.074	57.12	-3.42	53.70
-7:30 2ND FLOW	0.0	.062	48.48	-3.48	44.99
- 7:35	5.0	.062	48.48	-3.48	44.99
- 7:40	10.0	.062	48.48	-3.48	44.99
- 7:45	15.0	.062	48.48	-3.48	44.99
- 7:50	20.0	.061	47.76	-3.49	44.27
- 7:55	25.0	.061	47.76	-3.49	44.27
- 8:00	30.0	.061	47.76	-3.49	44.27
-8:00 END FLOW	0.0	.061	47.76	-3.49	44.27
- 8:05	5.0	.061	47.76	-3.49	44.27
- 8:10	10.0	.061	47.76	-3.49	44.27
- 8:15	15.0	.061	47.76	-3.49	44.27
- 8:20	20.0	.062	48.48	-3.48	44.99
- 8:25	25.0	.063	49.20	-3.48	45.72
- 8:30	30.0	.064	49.92	-3.47	46.44
- 8:33	33.0	.065	50.64	-3.47	47.17
-8:33 2ND SHUT-IN	0.0	.065	50.64	-3.47	47.17
-2ND HYDROSTATIC	0.0	2.436	1757.89	1.42	1759.31

ORIGINAL

15.009.24474.0000



COMPANY : MUSTANG OIL AND GAS
WELL : STECKLE "B" #4
LOCATION : 100'N SW-N/2-NE22-20S-12W
DATE : 6-12-1991
GAUGE # : 906

Not Recorded
Filed
2

CO-7

PLAT AND CERTIFICATION OF ACREAGE ATTRIBUTABLE TO AN OIL WELL

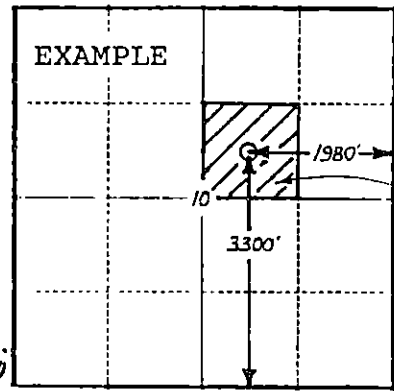
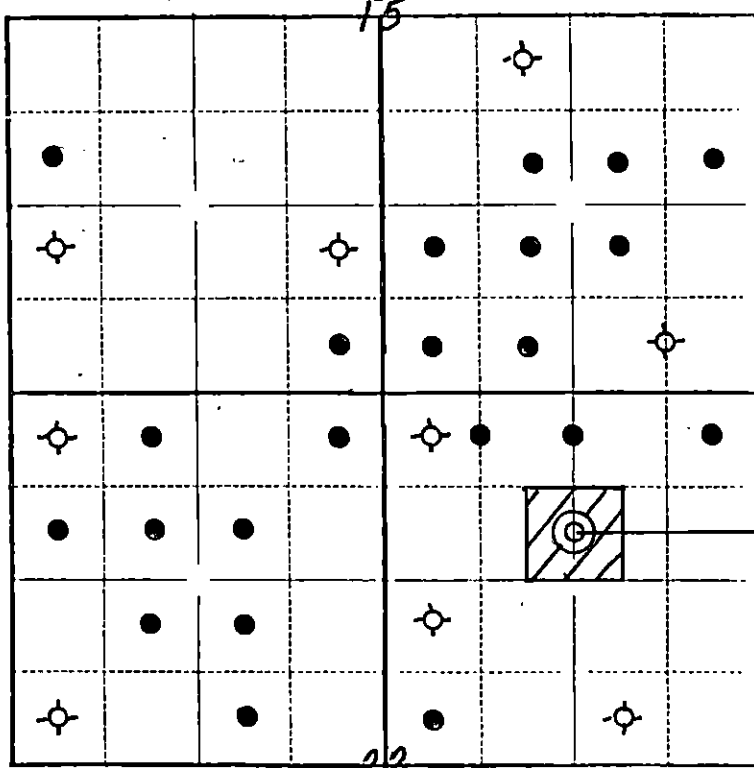
State Corporation Commission, Conservation Division
200 Colorado Derby Bldg. Wichita, Kansas 67202

OPERATOR Mustang Oil & Gas Corporation
LEASE NAME Steckel "B"
WELL NUMBER #4
FIELD Workman NW
NUMBER OF ACRES ATTRIBUTED TO WELL 10

LOCATION OF WELL:
4290 feet north of SE corner
1320 feet west of SE corner
22 Sec. 20S T. 12W R.
COUNTY Barton

PLAT

(Show location of well and shade attributable acreage)
(Show footage to nearest lease or unit boundary line)



SEWARD CO.

The undersigned hereby certifies that he is Chief Geologist for Mustang Oil & Gas Corp. (Co.), a duly authorized agent, that all information shown hereon is true and correct to the best of his knowledge and belief, and that all acreage claimed as attributable to the well named herein is held by production from that well.

Subscribed and sworn to before me on this 14th day of May, 1991

Bill C. Romig
Kandy Hanson
Kandy Hanson Notary Public

My Commission expires 11-6-94
STATE CORPORATION COMMISSION

(6-1989)

MAY 14 1991

CONSERVATION DIVISION
Wichita, Kansas

