

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

API NO. 15- 007-~~202~~ 224450000

County Barber ORIGINAL

NE- SE- SW- Sec. 9 Twp. 33 Rge. 12 X W

1300 Feet from SW (circle one) Line of Section

2480 Feet from SW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Boggs Well # 3-9

Field Name Boggs

Producing Formation Mississippi

Elevation: Ground 1514' KB 1522'

Total Depth 4960 PBTB

Amount of Surface Pipe Set and Cemented at 214.25 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan ALT 1 8/4 5-17-96  
(Data must be collected from the Reserve Pit)

Chloride content 30,000 ppm Fluid volume 160 bbls

Dewatering method used Haul - off

Location of fluid disposal if hauled offsite:

Operator Name Bowers Drilling-P.O. Bx 241  
Madison Lodge, KS 67104

Lease Name Cole Disposal License No. 5435

NW NW NW Quarter Sec. 25 Twp. 32 S Rng. 12 E/W

County Barber Docket No. D19886

Operator: License # 30793

Name: Energy Marketing, Inc.

Address c/o Suite 1100

Bank IV Building-15W

City/State/Zip Tulsa, OK 74119-5461

Purchaser: KOCH

Operator Contact Person: Mark Reichardt

Phone 918 583-1600

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Arden Ratzlaff

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

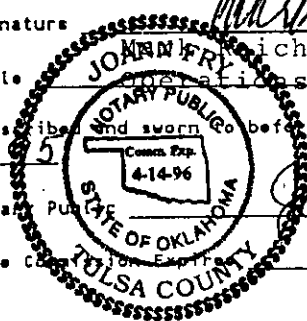
Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) Docket No. \_\_\_\_\_

11-08-94 11-19-94 2-15-95  
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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 Mark Reichardt  
Title Operations Manager Date 3/2/95  
Subscribed and sworn before me this 2nd day of March  
19 95  
Notary Public Frank Fry  
Date 4/14/96



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
G  Geologist Report Received  
Distribution  
KCC \_\_\_\_\_ SWD/Rep \_\_\_\_\_ NGPA  
KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other \_\_\_\_\_ (Specify)

Operator Name Energy Markets, Inc.

Lease Name Boggs Well # 3-9

Sec. 9 Twp. 33 Rge. 12  East

county Barber

West

**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  
 (Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy.)

List All E.Logs Run:  
 DIL  
 Den/Neutron  
 CBL

Log  Sample  
 Formation (Top), Depth and Datum  
 Name Top Datum

**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#	214.25	60/40 Poz	150	3%cc2%gel
Production	12 1/2	5-1/2"	14#	4610	50/50 Poz	225	3/4%halclad

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4420-4430	Acid 1000 gal	
		Frac 148,000 #sd	

**TUBING RECORD** Size 2-7/8" Set At 4420' Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	5	400	30	80/1000	

Disposition of Gas:  Vented  Sold  Used on Lease

**METHOD OF COMPLETION**

Open Hole  Perf.  Dually Comp.  Commingled

Production Interval 4420-30'

15-007-22445

# Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530  
(316) 792-6902

# ORIGINAL

Date 11-18-1994 Location NE-SE-SW 9-33-32<sup>N</sup> Elevation 1423 Ft County BARBER

Company ENERGY MARKETING INC. Number of Copies 5

Charts Mailed to % SUSTAINABLE BANK BLDG 15 West Tulsa OKLAHOMA 74119-5461

Drilling Contractor Duke Drilling Rig #1

Length Drill Pipe 4546 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 298 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 4860 Bottom Packer Depth 4865 Number of Packers 2 Packer Size 6-3/4"

TESTED FROM 4865 TO 4890 ANCHOR LENGTH 25 TOTAL DEPTH 4890 Hole Size 7 7/8

LEASE & WELL NO. Boogs Estate #3-9 FORMATION TESTED Simson TEST NO. 2

Mud Weight 9.34 Viscosity 47 Water Loss 8.8 Chlorides - Pits 4000 D.S.T.

Maximum Temp. 129 °F Initial Hydrostatic Pressure (A) 2499 P.S.I. Final Hydrostatic Pressure (H) 2477 P.S.I.

Tool Open I.F.P. from 4:15 A.M. to 4:45 A.M. 30 min

Tool Closed I.C.I.P. from 4:45 A.M. to 5:15 A.M. 30 min

Tool Open F.F.P. from 5:15 A.M. to 5:30 A.M. 15 min

Tool Closed F.C.I.P. from NONE m to NONE m 0 min

Initial Blow WEAK blow for 21 minutes & DIED

Final Blow no blow - flushed tool - no HELP

Total Feet Recovered 15 Gravity of Oil \_\_\_\_\_ Corrected

<u>15</u> Feet of <u>Drilling mud</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. 1108P Clock No. 47441 Depth 4884 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 4887 Insurance NONE

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

Tool Operator Jane Budig

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

No. 11187

from [B] <u>44</u> P.S.I. to [C] <u>33</u> P.S.I.
[D] <u>1318</u> P.S.I.
from [E] <u>44</u> P.S.I. to [F] <u>33</u> P.S.I.
[G] <u>NONE TAKEN</u> P.S.I.

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.

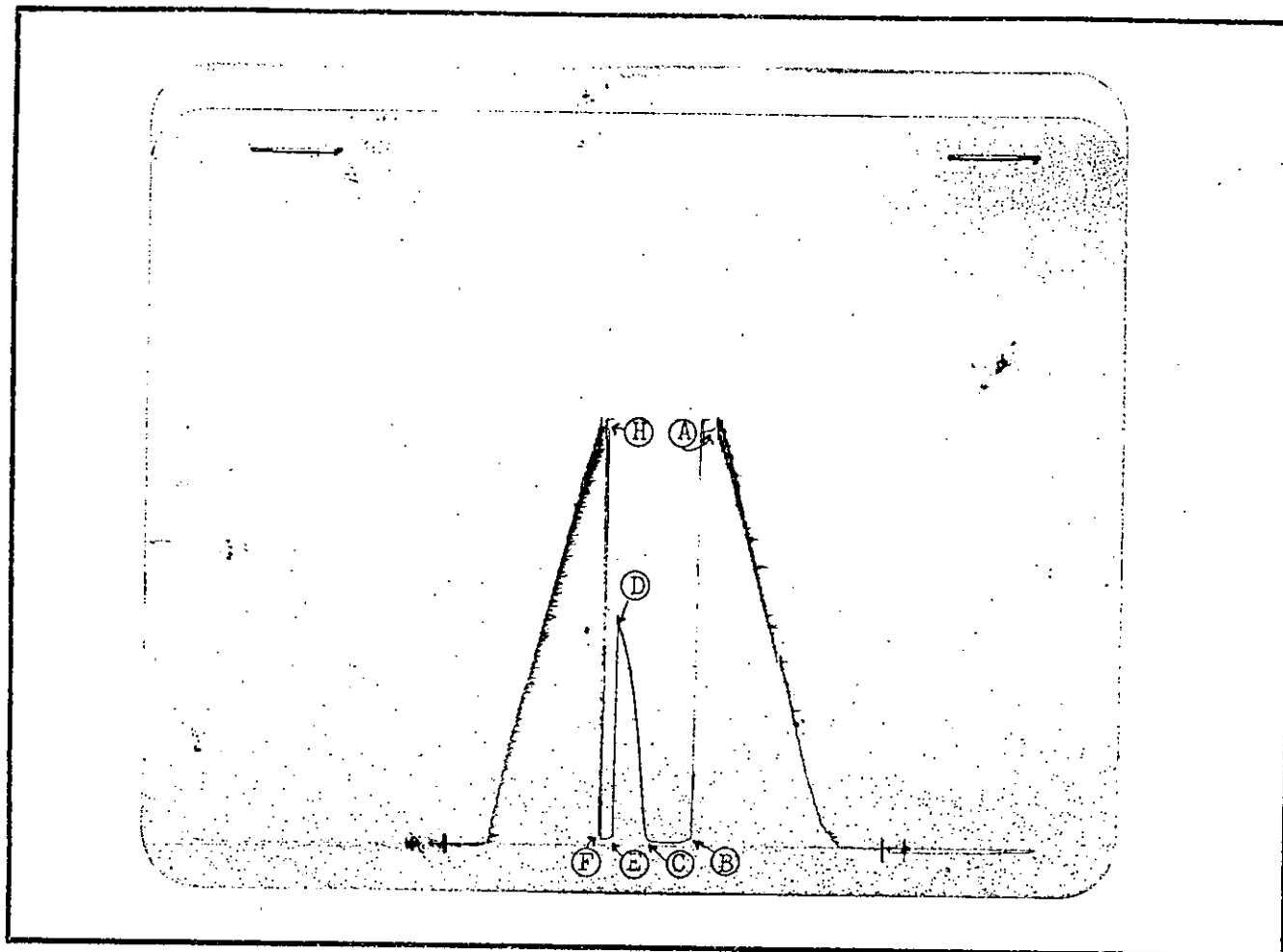
**RECEIVED**

KANSAS CORPORATION COMMISSION

MAY 16 1996

CONSERVATION DIVISION  
WICHITA, KS

ORIGINAL



This is an actual photograph of recorder chart.

POINT	PRESSURE		P.S.I.
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud .....	<u>2499</u>	<u>2453</u>	P.S.I.
(B) First Initial Flow Pressure .....	<u>44</u>	<u>42</u>	P.S.I.
(C) First Final Flow Pressure .....	<u>33</u>	<u>23</u>	P.S.I.
(D) Initial Closed-in Pressure .....	<u>1318</u>	<u>1317</u>	P.S.I.
(E) Second Initial Flow Pressure .....	<u>44</u>	<u>52</u>	P.S.I.
(F) Second Final Flow Pressure .....	<u>33</u>	<u>54</u>	P.S.I.
(G) Final Closed-in Pressure .....	<u>0</u>	<u>0</u>	P.S.I.
(H) Final Hydrostatic Mud .....	<u>2477</u>	<u>2463</u>	P.S.I.

COMPANY Energy Marketing Inc. LEASE - WELL NO. BORGES Estate #3-9 SEC 9 TWP 35e RGE. 32w TEST NO. 2 DATE 11-18-1994

SUPERIOR TESTERS ENTERPRISES INC.

ORIGINAL

WELL IDENTIFICATION DATA

COMPANY : ENERGY MARKETING INC. WELL NAME : BOGGS ESTATES #3-9  
 ADDRESS : SUITE 1100 BANK IV, TULSA LOCATION : N/E-S/E-S/W 9-33S-32W  
 STATE & COUNTY : KANSAS, BARBER FIELD :  
 ELEV. (GR) : 1415 (KB) : 1423 TEST DATE : 11-18-1994

EQUIPMENT AND HOLE DATA

FORMATION TESTED : SIMPSON	DRILL PIPE LENGTH(ft) : 4546
TEST INT. KB : 4865 to 4890	DRILL PIPE O.D. (in) : 3.82
ANCHOR LENGTH(ft) : 25	WEIGHT PIPE LENGTH(ft) :
TYPE OF TEST : Conventional	WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-kb) : 4890	DRILL COLLAR LENGTH(ft) : 298
MAIN HOLE SIZE(in) : 7 7/8	DRILL COLLAR I.D. (in) : 2.259
MUD WEIGHT : 9.2+	TOP PACKER DEPTH(kb) : 4860
MUD VISCOSITY : 47	BOTTOM PACKER DEPTH(kb) : 4865
MUD CHLORIDES : 4000	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) : 129	TEST TICKET NUMBER : 11187

EXTRA EQUIPMENT : -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 FOR 21 MINUTES AND DIED  
 2nd Opening : NO BLOW-FLUSHED TOOL-NO HELP

RECOVERY

Recovered 15 feet of DRILLING MUD

REMARKS :

WITNESSED BY : ARDEN RATZLAFF TOOL OPERATOR : GENE RUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

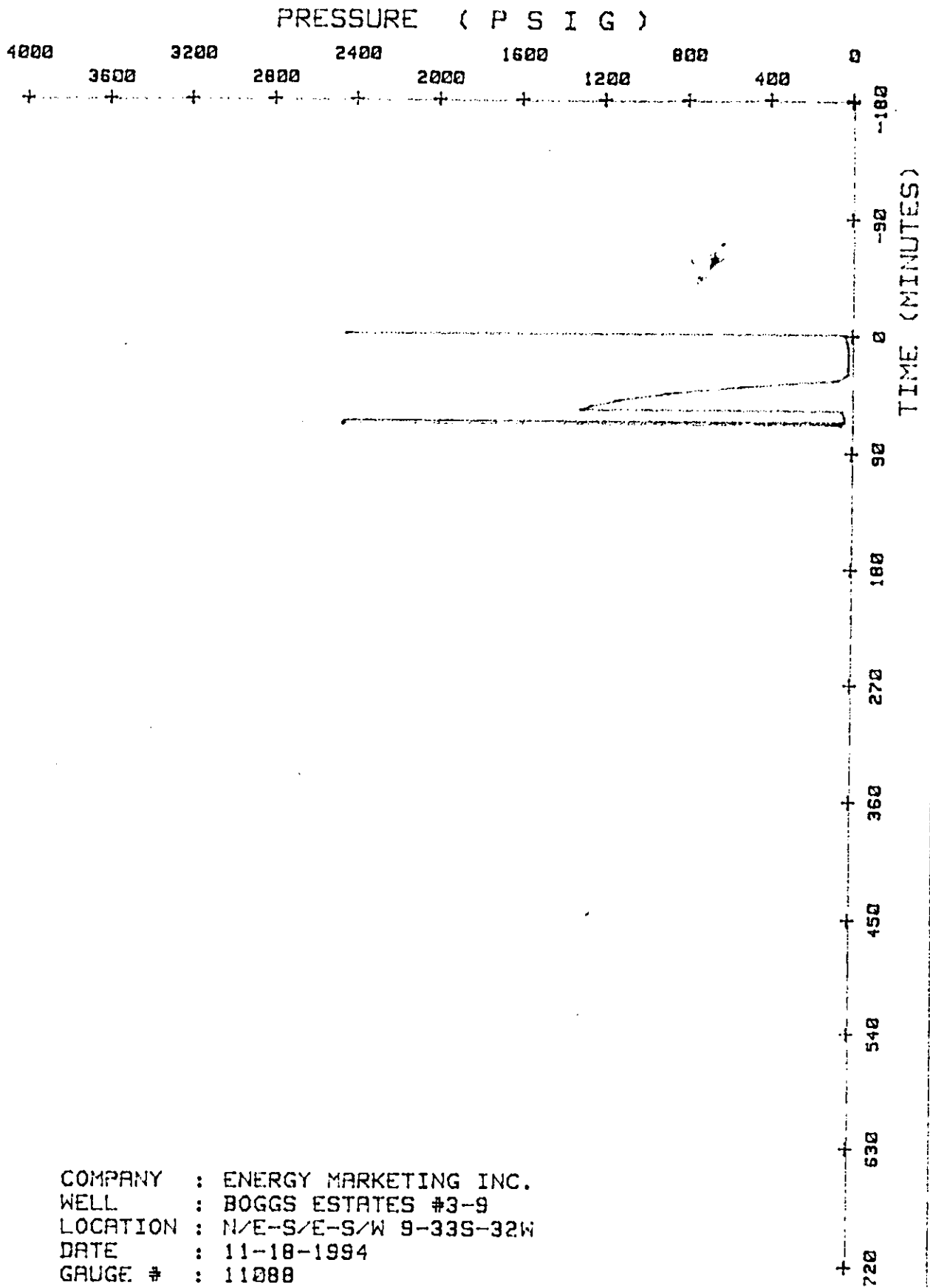
SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY MARKETING INC.  
 DATE OF TEST : 11-18-1994  
 DEPTH : 4884.0

WELL NAME : BOGGS ESTATES #3-9  
 LOCATION : N/E-S/E-S/W 9-33S-32W  
 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	----- CORRECTED
TEST NO.:2					
Depth : 4884.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.218	2451.18	2.14	2453.32
-4:15 1ST FLOW	0.0	.038	46.79	-4.44	42.35
- 4:20	5.0	.025	32.45	-4.59	27.86
- 4:25	10.0	.019	25.84	-4.66	21.18
- 4:30	15.0	.018	24.73	-4.67	20.06
- 4:35	20.0	.018	24.73	-4.67	20.06
- 4:40	25.0	.019	25.84	-4.66	21.18
- 4:45	30.0	.021	28.04	-4.64	23.41
-4:45 END FLOW	0.0	.021	28.04	-4.64	23.41
- 4:50	5.0	.068	79.88	-4.09	75.79
- 4:55	10.0	.477	530.98	.66	531.64
- 5:00	15.0	.804	891.64	.73	892.36
- 5:05	20.0	1.016	1125.46	.63	1126.09
- 5:10	25.0	1.143	1265.53	.86	1266.39
- 5:13	28.0	1.189	1316.26	.95	1317.21
-5:13 1ST SHUT-IN	0.0	1.189	1316.26	.95	1317.21
-5:13 2ND FLOW	0.0	.047	56.72	-4.33	52.38
- 5:18	5.0	.036	44.59	-4.46	40.12
- 5:22	9.0	.035	43.48	-4.47	39.01
- 5:22	9.0	2.229	2463.31	2.19	2465.50
- 5:23	10.0	.051	61.13	-4.29	56.84
- 5:24	11.0	.049	58.92	-4.31	54.61
-5:24 END FLOW	0.0	.049	58.92	-4.31	54.61
2ND HYDROSTATIC	0.0	2.227	2461.11	2.18	2463.28



COMPANY : ENERGY MARKETING INC.  
 WELL : BOGGS ESTATES #3-9  
 LOCATION : N/E-S/E-S/W 9-33S-32W  
 DATE : 11-18-1994  
 GAUGE # : 11088

# Superior Testers Enterprises, Inc.

# ORIGINAL

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

(316) 792-6902

Date 11-13-1994 Location N/E-S/E-S/W 9-33-32 Elevation 1415 G.L. County BARBER

Company ENERGY MARKETING INC. Number of Copies 5

Charts Mailed to 410 Suite 1100 BANK IV Building 15 West Tulsa Oklahoma

Drilling Contractor Duke Drilling Rig #1

Length Drill Pipe 3838 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 NONE I.D. Drill Collars NONE Tool Joint Size NONE

Top Packer Depth 3844 Bottom Packer Depth 3849 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3849 TO 3860 ANCHOR LENGTH 11 TOTAL DEPTH 3860 Hole Size 7 7/8"

LEASE & WELL NO. BOGGS Estates #3-9 FORMATION TESTED LANSDIG TEST NO. 1

Mud Weight 9.4 Viscosity 36 Water Loss 14 1/2 Chlorides - Pits 6500 D.S.T. \_\_\_\_\_

Maximum Temp. 113 °F Initial Hydrostatic Pressure (A) 1881 P.S.I. Final Hydrostatic Pressure (H) 1837 P.S.I.

Tool Open I.F.P. from 6:45 P.m to 7:15 P.m 30 min

Tool Closed I.C.I.P. from 7:15 P.m to 8:00 P.m 45 min

Tool Open F.F.P. from 8:00 P.m to 9:00 P.m 60 min

Tool Closed F.C.I.P. from 9:00 P.m to 10:00 P.m 60 min

from [B] <u>44</u> P.S.I. to [C] <u>44</u> P.S.I.
[D] <u>711</u> P.S.I.
from [E] <u>44</u> P.S.I. to [F] <u>44</u> P.S.I.
[G] <u>1163</u> P.S.I.

Initial Blow FAIR blow bottom of a 5 Gallon bucket in 5 minutes

Final Blow FAIR blow bottom of a 5 Gallon bucket in 4 minutes

Total Feet Recovered 30 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_

100 Feet of GAS in the Pipe %Gas \_\_\_\_\_ %Oil \_\_\_\_\_ %Mud \_\_\_\_\_ %Water \_\_\_\_\_

30 Feet of GASSY 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 \_\_\_\_\_

Remarks \_\_\_\_\_

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

Top Recorder No. 11088 Clock No. 47441 Depth 3854 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3857 Insurance NONE

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

Tool Operator A. J. Rudy

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

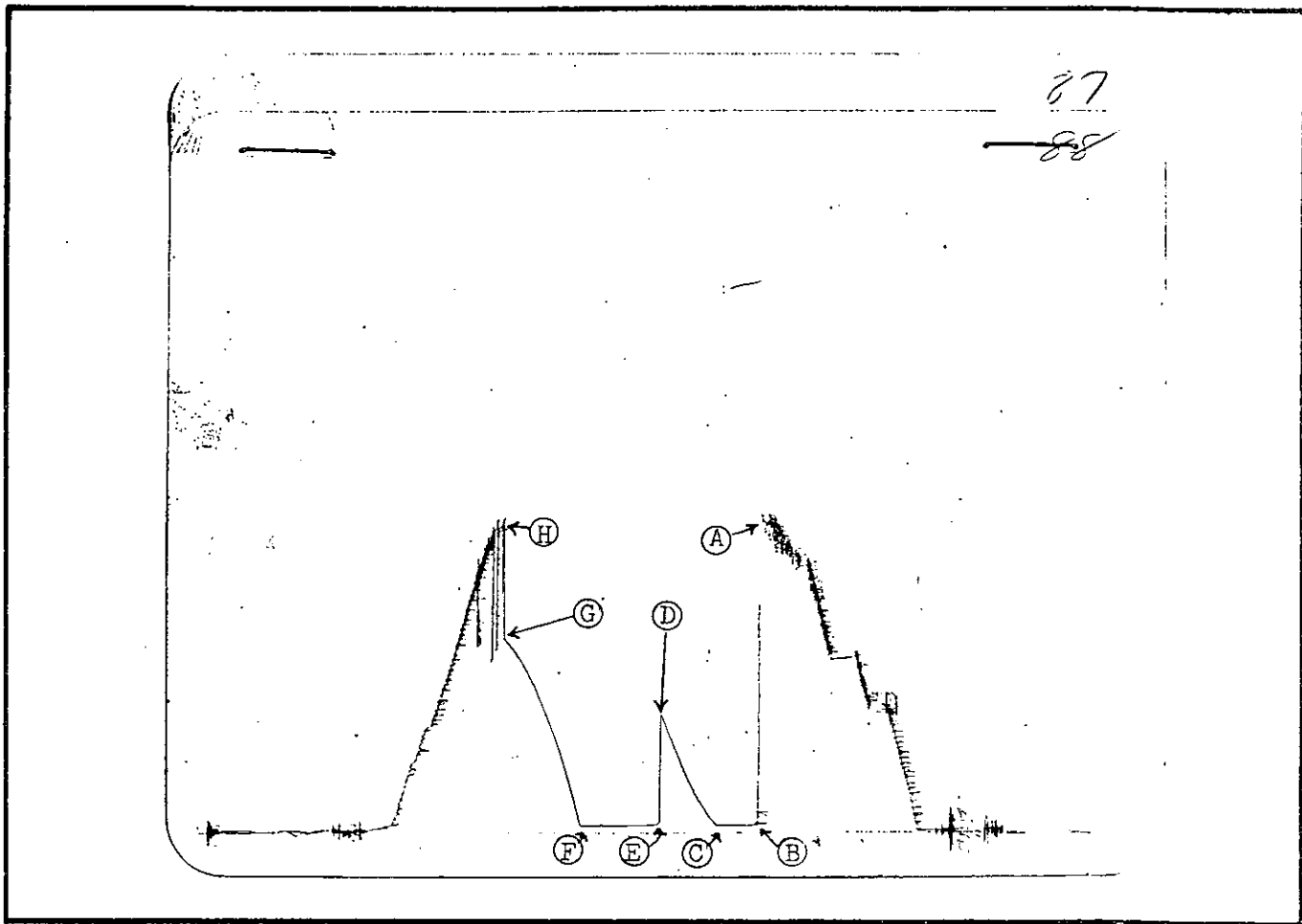
Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test.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

WARRANTY CORPORATION COMMISSION

No 11183

MAY 16 1996





This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud .....	<u>1881</u>	<u>1914</u>	P.S.I.
(B) First Initial Flow Pressure .....	<u>44</u>	<u>44</u>	P.S.I.
(C) First Final Flow Pressure .....	<u>44</u>	<u>41</u>	P.S.I.
(D) Initial Closed-in Pressure .....	<u>711</u>	<u>721</u>	P.S.I.
(E) Second Initial Flow Pressure .....	<u>44</u>	<u>46</u>	P.S.I.
(F) Second Final Flow Pressure .....	<u>44</u>	<u>46</u>	P.S.I.

ORIGINAL

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

ORIGINAL

COMPANY : ENERGY MARKETING INC. WELL NAME : BOGGS ESTATES #3-9  
ADDRESS : 4811 N. 110th St. V. TULSA LOCATION : N/E-S/E-S/W 9-33S-32W  
STATE & COUNTY : KANSAS BARBER FIELD :  
ELEV. (GR) : 1415 (KB) : 1423 TEST DATE : 11-13-1994

EQUIPMENT AND HOLE DATA

FORMATION TESTED : LANSING DRILL PIPE LENGTH(ft) : 3838  
TEST INT. KB : 3849 to 3860 DRILL PIPE O.D. (in) : 3.82  
ANCHOR LENGTH(ft) : 11 WEIGHT PIPE LENGTH(ft) :  
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75  
TOTAL DEPTH(ft-kg) : 3860 DRILL COLLAR LENGTH(ft) :  
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D. (in) : 2.259  
MUD WEIGHT : 9.2 TOP PACKER DEPTH(kb) : 3844  
MUD VISCOSITY : 36 BOTTOM PACKER DEPTH(kb) : 3849  
MUD CHLORIDES : 6500 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) : 113 TEST TICKET NUMBER : 11183

EXTRA EQUIPMENT : -EXTRA PACKER

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

SURFACE BLOW

1st Opening : FAIR BLOW BOTTOM OF THE BUCKET IN 5 MINUTES  
2nd Opening : FAIR BLOW BOTTOM OF THE BUCKET IN 4 MINUTES

RECOVERY

Recovered 1100 feet of GAS IN THE PIPE  
Recovered 30 feet of GASSY MUD

REMARKS :

WITNESSED BY : ARDEN RATZLAFF TOOL OPERATOR : GENE BUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY MARKETING INC.  
 DATE OF TEST : 11-13-1994  
 DEPTH : 3854.0

WELL NAME : BOGGS ESTATES #3-9  
 LOCATION : N/E-S/E-S/W 9-33S-32W  
 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:1					
Depth : 3854.0 ft-kb					
-1ST HYDROSTATIC	0.0	1.730	1912.95	1.40	1914.35
-6:45 1ST FLOW	0.0	.040	49.00	-4.42	44.58
- 6:50	5.0	.036	44.59	-4.46	40.12
- 6:55	10.0	.036	44.59	-4.46	40.12
- 7:00	15.0	.036	44.59	-4.46	40.12
- 7:05	20.0	.037	45.69	-4.45	41.24
- 7:10	25.0	.037	45.69	-4.45	41.24
- 7:15	30.0	.037	45.69	-4.45	41.24
-7:15 END FLOW	0.0	.037	45.69	-4.45	41.24
- 7:20	5.0	.071	83.19	-4.06	79.13
- 7:25	10.0	.126	143.85	-3.42	140.43
- 7:30	15.0	.186	210.02	-2.72	207.30
- 7:35	20.0	.256	287.23	-1.91	285.32
- 7:40	25.0	.332	371.05	-1.03	370.03
- 7:44	29.0	.408	454.88	-.14	454.73
- 7:50	35.0	.512	569.58	.92	570.50
- 7:55	40.0	.612	679.87	.85	680.73
- 7:58	43.0	.649	720.68	.83	721.51
-7:58 1ST SHUT-IN	0.0	.649	720.68	.83	721.51
-7:58 2ND FLOW	0.0	.041	50.10	-4.40	45.70
- 8:03	5.0	.041	50.10	-4.40	45.70
- 8:08	10.0	.041	50.10	-4.40	45.70
- 8:13	15.0	.041	50.10	-4.40	45.70
- 8:18	20.0	.041	50.10	-4.40	45.70
- 8:23	25.0	.041	50.10	-4.40	45.70
- 8:28	30.0	.041	50.10	-4.40	45.70
- 8:33	35.0	.041	50.10	-4.40	45.70
- 8:38	40.0	.041	50.10	-4.40	45.70
- 8:43	45.0	.041	50.10	-4.40	45.70
- 8:48	50.0	.041	50.10	-4.40	45.70
- 8:53	55.0	.041	50.10	-4.40	45.70
- 8:58	60.0	.041	50.10	-4.40	45.70
-8:58 END FLOW	0.0	.041	50.10	-4.40	45.70
- 9:03	5.0	.166	187.97	-2.95	185.01
- 9:08	10.0	.294	329.14	-1.47	327.67
- 9:13	15.0	.410	457.08	-.12	456.96
- 9:18	20.0	.516	573.99	.91	574.91
- 9:23	25.0	.617	685.39	.85	686.24
- 9:28	30.0	.710	787.96	.79	788.75
- 9:33	35.0	.796	882.81	.73	883.54

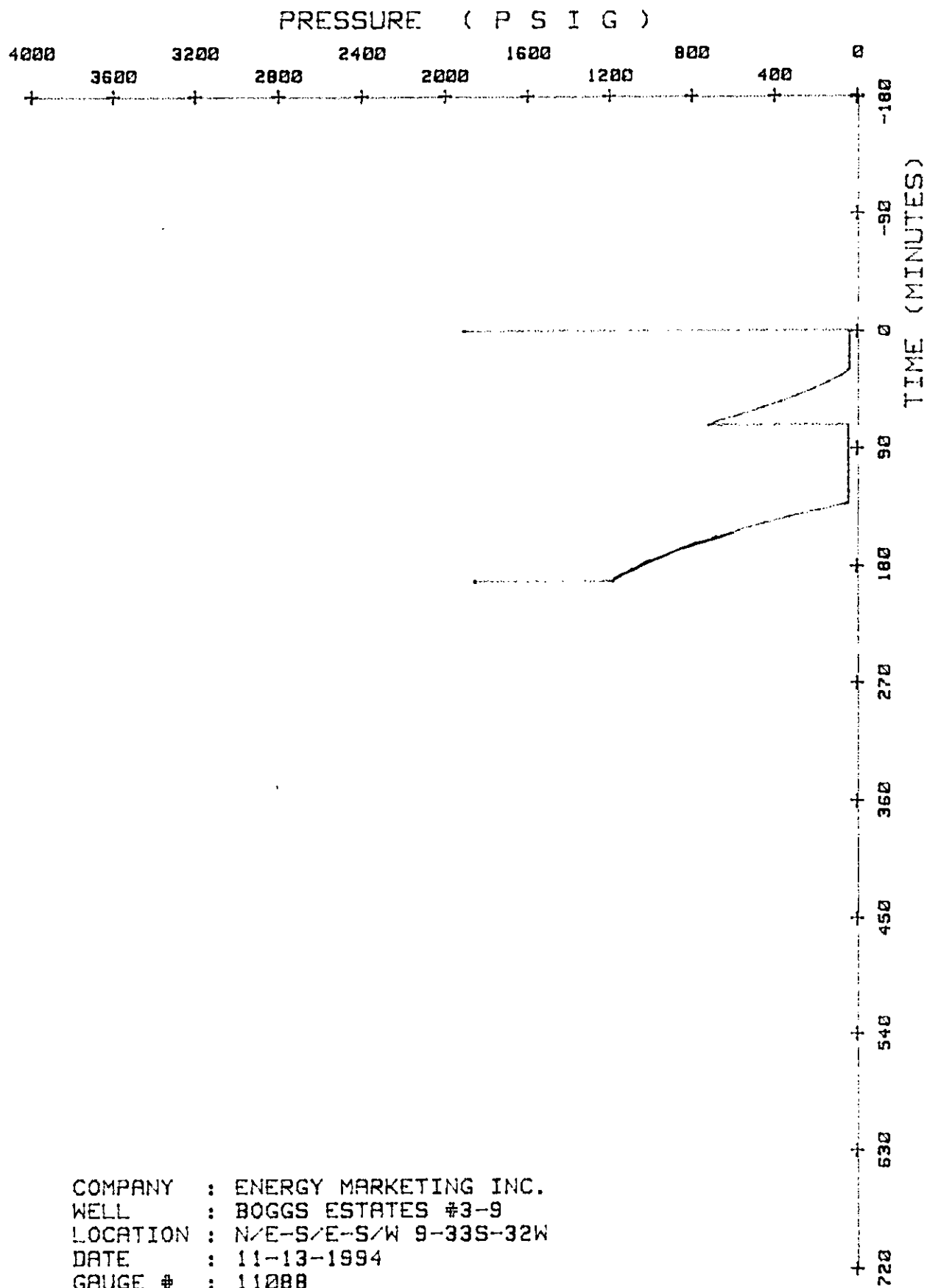
SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY MARKETING INC.  
 DATE OF TEST : 11-13-1994  
 DEPTH : 3854.0

WELL NAME : BOGGS ESTATES #3-9  
 LOCATION : N/E-S/E-S/W 9-33S-32W  
 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.: 1					
- 9:27	29.0	.808	896.05	.72	896.77
- 9:43	45.0	.933	1033.91	.64	1034.56
- 9:48	50.0	.990	1096.78	.61	1097.39
- 9:53	55.0	1.035	1146.41	.66	1147.08
- 9:57	59.0	1.068	1182.81	.72	1183.53
-9:57 2ND SHUT-IN	0.0	1.068	1182.81	.72	1183.53
-2ND HYDROSTATIC	0.0	1.678	1855.60	1.42	1857.02



COMPANY : ENERGY MARKETING INC.  
 WELL : BOGGS ESTATES #3-9  
 LOCATION : N/E-S/E-S/W 9-33S-32W  
 DATE : 11-13-1994  
 GAUGE # : 11088

# ALLIED CEMENTING CO., INC. 0868

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Midway of Lodge K5

DATE <u>11-8-94</u>	SEC <u>9</u>	TWP. <u>33</u>	RANGE <u>12W</u>	CALLED OUT <u>6:00 P</u>	ON LOCATION <u>7:30</u>	JOB START <u>10:30</u>	JOB FINISH <u>10:45</u>
LEASE <u>Boggs</u>			WELL# <u>3-9</u>	LOCATION <u>McCullochs House 5 1/4 W N E S</u>		COUNTY <u>BARBER</u>	STATE <u>KANSAS</u>

OLD OR NEW (Circle one)

CONTRACTOR Duke Dalg Co #7

TYPE OF JOB SURFACE CSG.

HOLE SIZE 1 7/8 T.D. 215

CASING SIZE 8 5/8 DEPTH 214

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

OWNER ENERGY MARKETING INC.  
CEMENT

AMOUNT ORDERED 150 SK 60/40 207-26  
CEL, 376 CC

COMMON <u>90</u>	@	_____
POZMIX <u>60</u>	@	_____
GEL <u>2</u>	@	_____
CHLORIDE <u>5</u>	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
HANDLING _____	@	_____
MILEAGE _____	@	_____

**EQUIPMENT**

PUMP TRUCK CEMENTER DEAL Rupp

# 266 HELPER CARL BALDING

BULK TRUCK \_\_\_\_\_

# 227 DRIVER MARK BRUNSHADT

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

TOTAL \_\_\_\_\_

**REMARKS:**

RAN 8 5/8 CSG. TO 214' CEMENTED WITH  
150 SK 60/40 207-26 CEL, 376 CC. DEPLETED  
PLUG TO 199' WITH 12.75 BBL'S FRESH  
H<sub>2</sub>O - CEMENT D-D (TRICULATE)

**SERVICE**

DEPTH OF JOB <u>214</u>	_____
PUMP TRUCK CHARGE _____	<u>4300</u>
EXTRA FOOTAGE _____	@ _____
MILEAGE _____	@ _____
PLUG <u>8 5/8 TOP SURFACE</u>	@ _____
_____	@ _____
_____	@ _____

TOTAL \_\_\_\_\_

CHARGE TO: Duke Dalg. Co. INC

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**FLOAT EQUIPMENT**

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]

# GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

STATE COURT COMMISSION  
JUL 15 1950

May 13.96 17:11 No.003 P.02

TEL:

13-05-96 02:42P P.02

FRX NO.: 9136252535

FROM: HALLIBURTON



HALLIBURTON ENERGY SERVICES

CHARGE TO  
**ENERGY MARKETING INC.**  
 ADDRESS  
**1001 S BOLDER SUITE 600**  
 CITY, STATE, ZIP CODE  
**WLSA OKLA 74119**

TICKET

No. 741502 - 3

PAGE	OF
1	2

1. SERVICE ORDER NO. <b>11001 AS</b>	HALLIBURTON NO. <b>3-9</b>	LEAD <b>BORGAS</b>	COLOR/FRESH <b>BW</b>	DATE <b>11-19-94</b>	ORDER NO. <b>Stack</b>
2. PROJECT TYPE <input checked="" type="checkbox"/> SERVICE	INTRODUCTION <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTAINER NO. <b>DUNE DUNE</b>	REG. NUMBER <b>81</b>	SURVEY <b>CT</b>	WELL LOCATION <b>15007 22460005 (AWO)</b>
3. <input type="checkbox"/> SALES	WELL TYPE <b>01</b>	WELL CATEGOR. <b>01</b>	JOB PURPOSE <b>035</b>	WELL PERMIT NO.	WELL LOCATION
4. REFERRAL LOCATION	INVOICE REFERENCE <b>229</b>				

WELL REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	POST	DF		TRIP	DAY		
<b>000117</b>					MILEAGE	<b>90</b>	<b>1</b>	<b>2.75</b>	<b>247.5</b>
<b>001-016</b>					<b>ProDilution</b>	<b>4612</b>	<b>6</b>		<b>17658</b>
<b>018319</b>					<b>Supercut</b>	<b>12.85</b>	<b>500</b>	<b>100</b>	<b>1200</b>
<b>40</b>	<b>806 60022</b>	<b>ORIGINA</b>			<b>Centralizers</b>	<b>8</b>	<b>5 1/2</b>	<b>44</b>	<b>352</b>
<b>80</b>	<b>855 137</b>				<b>Federal/Prok. Stop</b>	<b>1.50</b>	<b>5 1/2</b>		<b>2504</b>
<b>330</b>	<b>806 70030</b>				<b>Centralizers</b>	<b>1.50</b>	<b>5 3/4</b>		<b>110</b>
<b>599</b>	<b>811-0374</b>				<b>Large Dune Plug</b>	<b>1.50</b>	<b>5 1/4</b>		<b>NC</b>
<b>594</b>	<b>801-03748</b>				<b>Large Dune Plug</b>	<b>1.50</b>	<b>5 1/4</b>		<b>NC</b>
<b>714 163</b>					<b>Charge to</b>	<b>10</b>		<b>24</b>	<b>240</b>

RECEIVED KANSAS CORPORATION COMMISSION

MAY 16 1996

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

*[Signature]*

DATE SIGNED: **11-19-94** TIME SIGNED: **1730**

I am a well owner.  I am not a well owner.

SURFACE SAFETY VALVE WAS

OPENED  NOT OPENED

CONSERVATION SURVEY

TYPE LOG:  DEPTH  WIC

WEAN SIZE:  SPACERS

TYPE OF EQUIPMENT:  CASING PRESSURE

TUBING SIZE:  TUBING PRESSURE:  WELL DEPTH:

TREE CONNECTION:  TYPE VALVE:

CONSERVATION SURVEY

WEAN SIZE:  SPACERS:

WE LAMERPOOD AND MET YOUR NEEDS?

OUR SERVICE QUALITY IS SATISFACTORY?

WE OPERATED THE COMPANY AND PERFORMED JOB SATISFACTORY?

ARE YOU SATISFIED WITH OUR SERVICE?

YES  NO

PAGE TOTAL: **4418**

FROM CONTINUATION PAGE(S): **4210**

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED TO INVOICE: **10631**

CUSTOMER DOES NOT WISH TO RESPOND

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): **6034 Shup**

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): *[Signature]*

HALLIBURTON OPERATOR'S NUMBER: **1140**

EMPLOYEE: **67**

HALLIBURTON APPROVAL: *[Signature]*







FROM HALIBURTON!!!!

PRX NO. 1 2136222326

HALIBURTON

13-05-96 02144P P.05

JOB LOG (2-20-94)

CLIENT: Estimotech      BILL NO: 3-9      LEAD: Rolls      NO. OF: 5 trucks  
 DATE: 11-19-94      TIME: 7:41 AM

START TIME	END TIME	ACT. TIME	ACT. TYPE	ACT. QTY	ACT. UNIT	DESCRIPTION OF OPERATION AND MATERIALS
0500						Unload out Box C 1300
						Ed me - 500 up
1500						Begin up to line 5th casing
1715						Start 5th casing for hole
1715						Casing for hole
						Dis. 5th casing 300
1720						Work to log wellhead
1800						Start 5th casing circulation
						Finish circulation
						Work to horizon
1800	5.0	0	-			See 5th casing 500 up
	5.2	12.0	-			See 5th casing 500 up
	5.0	3.0	-			See 5th casing 500 up
						Close up to 5th casing
						Flare 5th casing of mouse hole
						0 - 1 25 500 500 up
						Work back to 5th casing
1817	5.0	0	-			See 5th casing 500 up
1835	5.5	5.0	-			0 - Finish 5th casing
						Work out 5th casing
						Flare 5th casing
1840	9.0	0	-			Start 5th casing of 5th casing
						work
1855	7.9	10.9	-			Play down
1950						Job complete

Thank you  
 Carl Rogers  
 Doug & Kelly

ORIGINAL

