

ORIGINAL

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

API NO. 15- 095-21700 0000

County Kingman County Kansas

C NW/4 Sec. 1 Twp. 28 Rge. 7 ~~XX~~^E

1320 Feet from S (circle one) Line of Section

1100 Feet from E (circle one) Line of Section

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

Lease Name Bergman Well # 2

Field Name _____

Producing Formation NONE

Elevation: Ground 1511 X# 1519

Total Depth 4000' PBSD _____

Amount of Surface Pipe Set and Cemented at 219 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 D&R JZ 10-12-95
(Data must be collected from the Reservoir if)

Chloride content 17,000 ppm Fluid volume _____ bbls

Dewatering method used Haul

Location of fluid disposal if hauled offsite: _____

Operator Name American Energies Corporation

Lease Name Greenleaf SWD License No. 5399

NW Quarter Sec. 7 Twp. 28 S Rng. 6W E/W

County Kingman Docket No. C17,279

Operator: License # 5399

Name: American Energies Corporation

Address 155 North Market - Suite 710

City/State/Zip Wichita KS 67202

Purchaser: N/A

Operator Contact Person: Alan L. DeGood

Phone 316-263-5785

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: STEPHEN J MILLER

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, 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 PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

12-30-94 01-09-95
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 82-3-197 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 Alan L. DeGood
Title Vice-President Date 2-1-95

Subscribed and sworn to before me this 1st day of February 19 95.

Notary Public Melinda S. Wooten
Date Commission Expires 3-12-96



STATE CORPORATION COMMISSION

2-2-95

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

1410190

STATE 1000

Operator Name American Energies Corp. Lease Name Bergman Well # 2
 East County Kingman County Kansas
 Sec. 1 Twp. 28 R04. 7 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Indian Cave	1960	-441
Electric Log Run (Submitt Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	2536	-1017
List All E.Logs Run:		Heebner	2897	-1328
		Brown Lime	3139	-1620
		Lansing	3153	-1634
		Stark Shale	3512	-1993
		Mississippi	3886	-2367

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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 $\frac{1}{2}$	8-5/8"	24#	219'	60/40 Poz	140	3%cc 2%gel

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
<u>D&A</u>	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> Bbls.	Gas-Oil Ratio	Gravity
-----------------------------------	----------------------	--------------------	------------------------	---------------	---------

Disposition of Gas: Vented Sold Used on Lease

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: _____

API #15-095-21700

Superior Testers Enterprises, Inc.

ORIGINAL

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

(316) 792-6902

Date 1-7-1995 Location C-MW/4 1-28^S-7^N Elevation 1511 G.L. County KANSAS

Company AMERICAN ENERGIES CORPORATION Number of Copies 5

Charts Mailed to 155 NORTH MARKET SUITE 710 WICHITA KANSAS 67202

Drilling Contractor Duke Drilling Rig #1

Length Drill Pipe 3859 I.D. Drill Pipe 4.380 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 3882 Bottom Packer Depth 3887 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3887 TO 3900 ANCHOR LENGTH 13 TOTAL DEPTH 3900 Hole Size 7 7/8

LEASE & WELL NO. BERGMAN #2 FORMATION TESTED Mississippi TEST NO. 1

Mud Weight 9.7 Viscosity 50 Water Loss --- Chlorides - Pits --- D.S.T. 56000

Maximum Temp. 117 °F Initial Hydrostatic Pressure (A) 1936 P.S.I. Final Hydrostatic Pressure (H) 1914 P.S.I.

Tool Open I.F.P. from 10:15 Pm to 10:45 Pm 30 min

Tool Closed I.C.I.P. from 10:45 Am to 11:30 Pm 45 min

Tool Open F.F.P. from 11:30 Pm to 12:00 Am 30 min

Tool Closed F.C.I.P. from 12:00 Am to 12:45 Am 45 min

Initial Blow FAIR blow built to the bottom of a 5 Gallon bucket in 1 1/2 minutes

Final Blow WEAK building blow built to 7 1/2 inches into the water

Total Feet Recovered 200 Gravity of Oil _____ Corrected

350 Feet of Gas in the Pipe % Gas _____ % Oil _____ % Mud _____ % Water _____

20 Feet of water mud 0% Gas 0% Oil 41 % Mud 59 % Water

90 Feet of SLIGHTLY MUDDY WATER 0% Gas 0% Oil 8 % Mud 92 % Water

90 Feet of VERY SLIGHTLY MUDDY WATER 0% Gas 0% Oil 2 % Mud 98 % 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. 11088 Clock No. 47441 Depth 3894 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3897 Insurance NONE

Price of Job _____

Tool Operator Jane Judig

Approved By _____

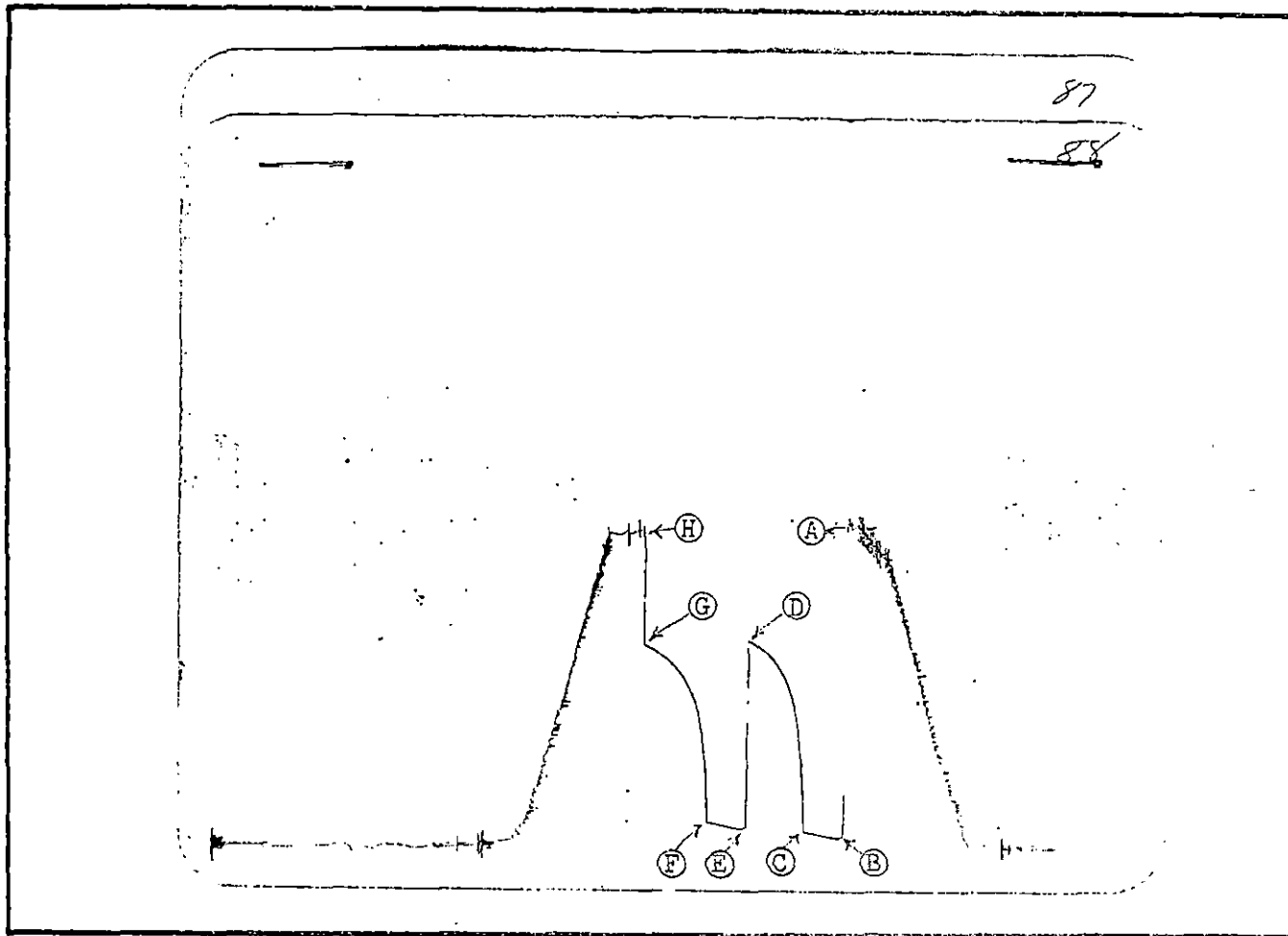
No 11188

from [B] <u>44</u> P.S.I. to [C] <u>89</u> P.S.I.
[D] <u>1263</u> P.S.I.
from [E] <u>111</u> P.S.I. to [F] <u>144</u> P.S.I.
[G] <u>1241</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, 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.

ADT # 15-095-21700

API # 15-095-21700



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	<u>1936</u>	<u>1980</u>	P.S.I.
(B) First Initial Flow Pressure	<u>44</u>	<u>52</u>	P.S.I.
(C) First Final Flow Pressure	<u>89</u>	<u>93</u>	P.S.I.
(D) Initial Closed-in Pressure	<u>1263</u>	<u>1252</u>	P.S.I.
(E) Second Initial Flow Pressure	<u>111</u>	<u>111</u>	P.S.I.
(F) Second Final Flow Pressure	<u>144</u>	<u>147</u>	P.S.I.
(G) Final Closed-in Pressure	<u>1241</u>	<u>1228</u>	P.S.I.
(H) Final Hydrostatic Mud	<u>1914</u>	<u>1930</u>	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : AMERICAN ENERGIES CORP. WELL NAME : BERGMAN #2
ADDRESS : 155 N.MARKET #710 LOCATION : C-N/W 1/4 1-28-1995
STATE & COUNTY : KANSAS.KINGMAN FIELD :
ELEV.(GR) : 1511 (KB) : 1519 TEST DATE : 1-7-1995

EQUIPMENT AND HOLE DATA

FORMATION TESTED : MISSISSIPPI DRILL PIPE LENGTH(ft) : 3859
TEST INT. KB : 3887 to 3900 DRILL PIPE O.D.(in) : 3.82
ANCHOR LENGTH(ft) : 13 WEIGHT PIPE LENGTH(ft) :
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-kg) : 3900 DRILL COLLAR LENGTH(ft) :
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259
MUD WEIGHT : 9.3 TOP PACKER DEPTH(kb) : 3882
MUD VISCOSITY : 50 BOTTOM PACKER DEPTH(kb) : 3887
MUD CHLORIDES : DUAL PACKERS :
SURFACE CHOKER : 3/4 PACKER SIZE(in) : 6 3/4
BOTTOM CHOKER(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) : 117 TEST TICKET NUMBER : 11188

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 : FAIR BLOW BUILT TO BOTTOM OF THE BUCKET IN 90 SEC.
2nd Opening : WEAK BLOW BUILT TO 7 1/2 INCHES INTO THE WATER

RECOVERY

Recovered 350 feet of GAS IN THE PIPE
Recovered 20 feet of WATERY MUD
Recovered 90 feet of SLIGHTLY MUDDY WATER 8%MUD 92%WATER
Recovered 90 feet of SLIGHTLY MUDDY WATER 2%MUD 98%WATER CHLORIDE 56000

REMARKS :

WITNESSED BY : STEVE MILLER TOOL OPERATOR : GENE BUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : AMERICAN ENERGIES CORP. WELL NAME : BERGMAN #2
 DATE OF TEST : 1-7-1995 LOCATION : C-N/W 1/4 1-28-1995
 DEPTH : 3894.0 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:1					
Depth : 3894.0 ft-kb					
1ST HYDROSTATIC	0.0	1.790	1979.13	1.37	1980.49
10:15 1ST FLOW	0.0	.047	56.72	-4.33	52.38
- 10:20	5.0	.049	58.92	-4.31	54.61
- 10:25	10.0	.053	63.34	-4.26	59.07
- 10:30	15.0	.061	72.16	-4.17	67.99
- 10:35	20.0	.070	82.08	-4.07	78.02
- 10:40	25.0	.077	89.81	-3.99	85.82
- 10:45	30.0	.084	97.53	-3.70	93.82
10:45 END FLOW	0.0	.084	97.53	-3.90	93.62
- 10:48	3.0	.516	573.99	.91	574.91
- 10:51	6.0	.700	776.93	.79	777.73
- 10:54	9.0	.797	883.92	.73	884.65
- 10:57	12.0	.869	963.33	.68	964.01
- 11:00	15.0	.923	1022.88	.65	1023.53
- 11:03	18.0	.964	1068.10	.62	1068.73
- 11:06	21.0	.997	1104.50	.60	1105.10
- 11:09	24.0	1.026	1136.49	.65	1137.13
- 11:12	27.0	1.046	1158.55	.68	1159.23
- 11:15	30.0	1.070	1185.02	.73	1185.74
- 11:18	33.0	1.087	1203.77	.76	1204.52
- 11:21	36.0	1.102	1220.31	.79	1221.10
- 11:24	39.0	1.116	1235.75	.81	1236.56
- 11:27	42.0	1.127	1247.88	.83	1248.71
- 11:28	43.0	1.130	1251.19	.84	1252.03
11:28 1ST SHUT-IN	0.0	1.130	1251.19	.84	1252.03
11:28 2ND FLOW	0.0	.100	115.17	-3.72	111.45
- 11:33	5.0	.102	117.38	-3.70	113.68
- 11:38	10.0	.106	121.79	-3.65	118.14
- 11:43	15.0	.110	126.20	-3.60	122.60
- 11:48	20.0	.117	133.92	-3.52	130.40
- 11:53	25.0	.124	141.64	-3.44	138.20
- 11:58	30.0	.129	147.16	-3.38	143.78
- 12:00	32.0	.132	150.47	-3.35	147.12
12:00 END FLOW	0.0	.132	150.47	-3.35	147.12
- 12:03	3.0	.549	610.39	.89	611.28
- 12:06	6.0	.690	765.90	.80	766.70
- 12:09	9.0	.787	872.89	.74	873.62
- 12:12	12.0	.841	932.44	.70	933.15
- 12:15	15.0	.884	979.87	.68	980.55
- 12:18	18.0	.921	1020.68	.65	1021.33

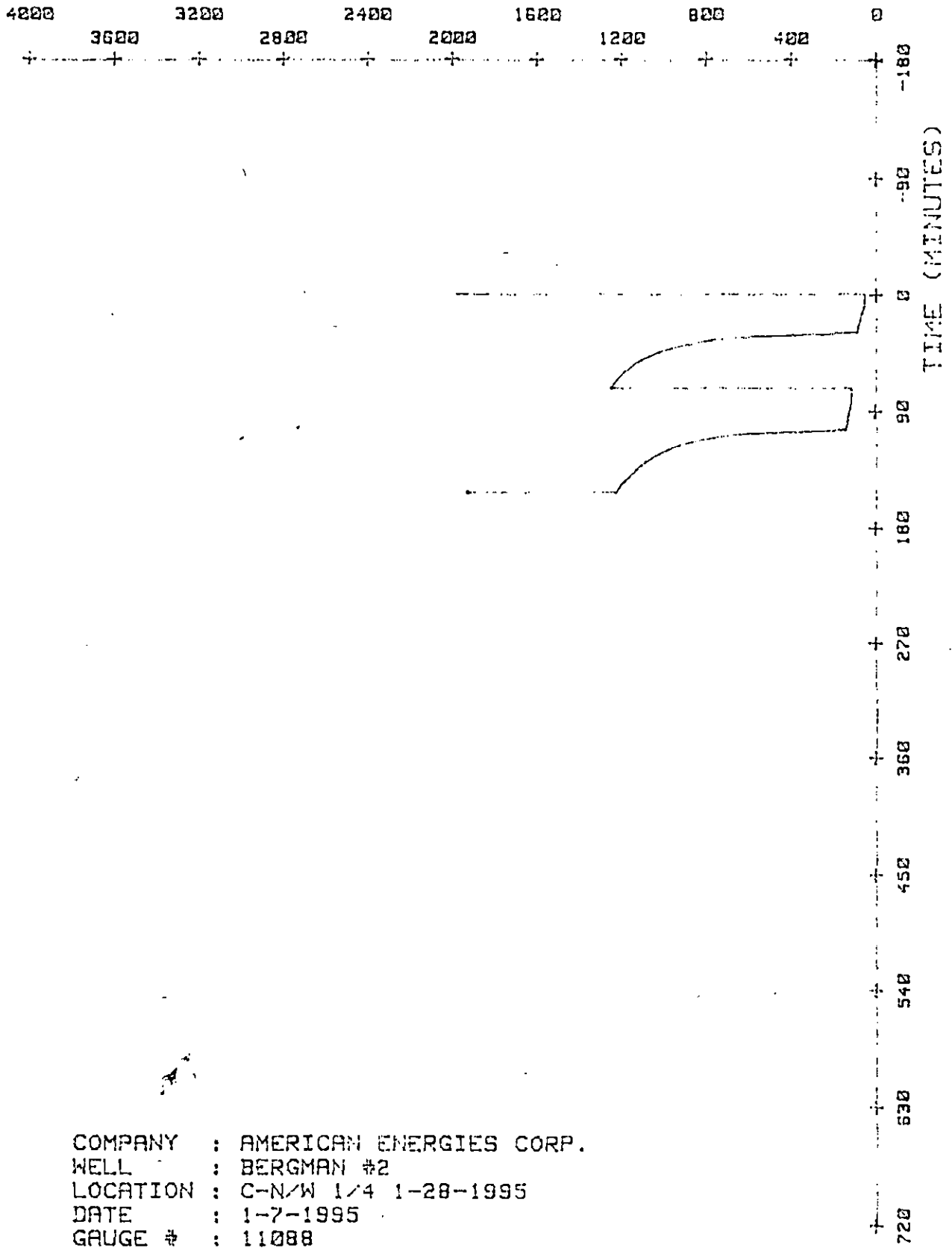
SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : AMERICAN ENERGIES CORP. WELL NAME : BERGMAN #2
 DATE OF TEST : 1-7-1995 LOCATION : C-N/W 1/4 1-28-1995
 DEPTH : 3894.0 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			CALC	CORR	CORRECTED
TEST NO.: 1					
- 12:21	21.0	.954	1057.08	.63	1057.71
- 12:24	24.0	.980	1085.75	.61	1086.36
- 12:27	27.0	1.002	1110.02	.60	1110.62
- 12:30	30.0	1.021	1130.97	.64	1131.61
- 12:33	33.0	1.037	1148.62	.67	1149.29
- 12:36	36.0	1.053	1166.27	.70	1166.96
- 12:39	39.0	1.071	1186.12	.73	1186.85
- 12:42	42.0	1.087	1203.77	.76	1204.52
- 12:45	45.0	1.098	1215.90	.78	1216.68
- 12:48	48.0	1.109	1228.03	.80	1228.83
-12:48 2ND SHUT-IN	0.0	1.109	1228.03	.80	1228.83
-2ND HYDROSTATIC	0.0	1.745	1929.49	1.39	1930.88

PRESSURE (P S I G)



COMPANY : AMERICAN ENERGIES CORP.
WELL : BERGMAN #2
LOCATION : C-N/W 1/4 1-28-1995
DATE : 1-7-1995
GAUGE # : 11088

ALLIED CEMENTING CO., INC. 0000937

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

ORIGINAL

SERVICE POINT: Medicine Lodge

DATE <u>1/8/94</u>	SEC <u>1</u>	TWP <u>28S</u>	RANGE <u>7W</u>	CALLED OUT <u>8:00 PM</u>	ON LOCATION <u>10:30 PM</u>	JOB START	JOB FINISH
LEASE <u>bcg/ma</u>	WELL# <u>2</u>	LOCATION <u>Kingman 3E 1S 4E S1S</u>			COUNTY <u>Kingman</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR Duke Drilling Rig #1

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 4000

CASING SIZE 8 3/4 DEPTH 295

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 16.60" DEPTH 1100

TOOL DEPTH

PRES. MAX 150 MINIMUM 50

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

OWNER Same

CEMENT

AMOUNT ORDERED 1555kg 60/40 476 gal

COMMON @

POZMIX @

GEL @

CHLORIDE @

HANDLING @

MILEAGE @

EQUIPMENT

PUMP TRUCK CEMENTER Max Hall

266 HELPER Justin Hart

BULK TRUCK

227 DRIVER John Kelley

BULK TRUCK

DRIVER

TOTAL

REMARKS:

Plug well thru Drill Pipe Spot Plugs
355kg @ 1100' 355kg @ 700'
355kg @ 269' 255kg @ 60'
105kg in Mouse Hole 155kg in Rat Hole

SERVICE

DEPTH OF JOB 1100

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE mi @

PLUG @

TOTAL

CHARGE TO: American Engines

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

@

@

@

@

TOTAL

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.

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE [Signature]

ALLIED CEMENTING CO., INC.

CEMENTING LOG

STAGE NO. ORIGINAL

Date 1/5/94 District Mid. Lodge Ticket No. 0937
 Company American Edco-1515 Rig Duke #1
 Lease Bersman Well No. 2
 County Kinnaman State Ks
 Location 1-285-7W Field _____
Kinnaman 3E 15 41E 515

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 5 1/8 Type _____ Weight 2 1/2 Collar _____

Casing Depths: Top 0 Bottom 2149

Drill Pipe: Size 4 1/2 Weight 16.60 Collars _____
 Open Hole: Size 7 1/8 T.D. 4000 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 10637 Lin. ft./Bbl. 15.7015
 Open Holes: Bbls/Lin. ft. 10602 Lin. ft./Bbl. 16.5993
 Drill Pipe: Bbls/Lin. ft. 10142 Lin. ft./Bbl. 70.3235
 Annulus: Bbls/Lin. ft. 10406 Lin. ft./Bbl. 24.61710
 Bbls/Lin. ft. 10446 Lin. ft./Bbl. 22.7157
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

LEAD: Pump Time _____ hrs. Type 60' 40' 4 7/8
 Excess _____
 Amt. 155 Sks Yield 1.46 ft³/sk Density 19.1 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER: Lead 6.7 gals/sk Tail _____ gals/sk Total 25 Bbls.

Pump Trucks Used 706 Justin Hart
 Bulk Equip. 227 J. H. Kelley

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG _____
 Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE Harvey Moore

CEMENTER May Ball

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
10:30						On Loc Rig up
1:15		150			5	Pump line broken
1:15		150		5.73	5	Mix cement 35 sks to 40' 4" D.P. @ 110'
1:30		50		2.8	3	Pump has kicked
1:30		75		10.5	5	1 1/2 hrs. mud displacement
1:22						Can't cement shot down Pull D.P.
1:45		150		5	5	1 1/2 hrs. mud
1:47		150		5.73	5	Mix cement 35 sks to 40' 4" D.P. @ 700
1:49		50		2.8	4	Pump has kicked
1:50		100		4.58	5	Pump mud displacement
1:51						Can't cement shot down Pull D.P.
2:17		150		5	5	1 1/2 hrs. mud
2:19		150		5.73	5	Mix cement 35 sks to 40' 4" D.P. @ 259'
2:21		50		16	3	Pump has kicked
2:27						Can't cement shot down Pull D.P.
2:45		50		6.2	4	Circulate cement to surface from 60'
2:47						Can't cement shot down
2:50		50		2.8	4	Plug below hole with 10 sks
2:55		50		3.3	4	Plug hat hole with 15 sks

ALLIED CEMENTING CO., INC. 000955

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

SERVICE POINT:
MEDICINE LODGE KS.

DATE <u>2-31-94</u>	SEC. <u>1</u>	TWP. <u>28</u>	RANGE <u>7W</u>	CALLED OUT <u>4:00 A</u>	ON LOCATION <u>6:30 A</u>	JOB START <u>7:15</u>	JOB FINISH <u>8:30</u>
LEASE <u>Bergman</u>	WELL # <u>2</u>	LOCATION <u>East of Kingman to Old 54, 2E, 13, 14E, 513</u>			COUNTY <u>KINGMAN</u>	STATE <u>KANSAS</u>	

OLD OR NEW (Circle one)

CONTRACTOR Duke Oil Reg #1 OWNER AMERICAN ENERGIES
TYPE OF JOB Spot Cement CEMENT

HOLE SIZE <u>12 1/4</u>	T.D. <u>224 K.B</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>219 G.L</u>
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>240</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	

AMOUNT ORDERED 35SK Class A 26CC

COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
	@
	@
	@
	@
HANDLING	@
MILEAGE	

EQUIPMENT

PUMP TRUCK	CEMENTER <u>DIA B</u>
# <u>237</u>	HELPER <u>CARL B</u>
BULK TRUCK	
# <u>242</u>	DRIVER <u>BUD B.</u>
BULK TRUCK	
#	DRIVER

TOTAL

REMARKS:

SERVICE

Post Test 8 5/8 500# Held
Spot 35 SK Class A 26CC UEA Drill pipe
@ 224' A.B - Pull Drill Pipe - Re-post
8 5/8 to 500# - Shut in

DEPTH OF JOB	<u>224</u>
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
PLUG	@
	@
	@

TOTAL

CHARGE TO: AMERICAN ENERGIES
STREET
CITY STATE ZIP

FLOAT EQUIPMENT

	@
	@
	@
	@
	@

TOTAL

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.

TAX
TOTAL CHARGE
DISCOUNT IF PAID IN 30 DAYS

SIGNATURE X Caber J. Rouch Skumore

RECEIVED
STATE CORPORATION COMMISSION

FEB 17 1995

WICHITA, KANSAS

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

Phone 913-625-5516, Hays, KS
 Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
 Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC. 0006918

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL

New

Date 12-30-94	Sec. 1	Twp. 28	Range 7	Called Out 11:00AM	On Location 1:30 PM	Job Start 6:00 PM	Finish 6:30 PM
Lease Bergman	Well No. # 2	Location Kingman Eow 54 to OWS 1, 1/2, 1, 1/2			County Kingman	State KS	

Contractor Duke Rig #1	Owner Some
Type Job Surface	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 listed.
Hole Size 12 1/4"	T.D. 224'
Csg. 8 5/8" 29" used	Depth 219'
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. 15'	Shoe Joint
Press Max.	Minimum
Meas Line	Displace 12 3/4 bbl.
Perf.	

Charge To American Energies Corp.
Street 155 N. Market
City _____ State _____
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No.
<input checked="" type="checkbox"/> McMoore
CEMENT
Amount Ordered 140 SKS 60/40 370cc, 270 Gel.
Consisting of
Common
Poz. Mix
Gel.
Chloride
Quickset
Sales Tax
Handling
Mileage
Sub Total
Total
Floating Equipment

EQUIPMENT

#	No.	Cementer	Tim D.
Pumptrk	181	Helper	Don H.
	No.	Cementer	
Pumptrk		Helper	
		Driver	Bob B.
#		Driver	
Bulktrk	222		
Bulktrk			

DEPTH of Job

Reference:	Pumptrk Change	
	Pumptrk Mileage	
	8 5/8" Wooden Plug	
	Sub Total	
	Tax	
	Total	

Remarks: **Cement did Circulate Plug Down at 6:30 AM.**

STAMP: FEB 0 2 1995
 CONSOLIDATION DIVISION
 WICHITA, KANSAS

*Thanks By
 Tim Diehl*



CEMENTING LOG ORIGINAL

STAGE NO. _____

Date 12-31-94 District Med. Lodge KS Ticket No. 0955
 Company AMERICAN ENERGIES Rig Duke #7
 Lease BERGMAN Well No. 2
 County WINDYMAN State KANSAS
 Location Old 54 Hwy - E TO N 140 RD., 15 Field _____
1/2 E, 5/16 N

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight _____ Collar _____

Casing Depths: Top 8 5/8 219' Bottom _____

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 224 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbbs/Lin. ft. .0637 Lin. ft./Bbl. 15.70
 Open Holes: Bbbs/Lin. ft. .1458 Lin. ft./Bbl. 6.8587
 Drill Pipe: Bbbs/Lin. ft. .01422 Lin. ft./Bbl. 70.32
 Annulus: Bbbs/Lin. ft. .0735 Lin. ft./Bbl. 13.60
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

LEAD: Pump Time _____ hrs. Type CLASS A 2 1/2
 Excess _____
 Amt. 35 Sks Yield 1.17 ft³/sk Density 15.7 PPG _____

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____
 WATER: Lead 2 1/2 gals/sk Tail _____ gals/sk Total 4.0 Bbbs.

Pump Trucks Used 37 CARL B
 Bulk Equip. 242 Bud B

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. 115 Bbbs. Weight _____ PPG _____
 Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE HARVEY MOORE

CEMENTER DEAL KUPP

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbbs Min.	
7:15						ARRIVED ON LOC 6:30 AM - RIG UP
7:20	500					RIGGED UP SWAGE & DISCHARGE TO 85/8
7:25	500					PST UP ON 85/8
7:30						HOLDING - RELEASE PST
						PULL LANDING JT - RUN 240' OF DRILL TO 224' G. LEVEL
						MIX UP 20% CACL ₂ H ₂ O
8:00						W/A DRILL PIPE SPOT 355K A 2 1/2
	50			4.0		START H ₂ O
	50			7.25		START SLOWLY
	50		12.75	1.5		START H ₂ O RESP.
8:10	0					SLOWLY IN PLACE - SHUT DOWN
						PULL DRILL PIPE
						PULL LANDING JOINT BACK ON 85/8
						FREE UP SWAGE & WAIVE
						PST UP ON C 5/8
8:30 ⁺	500			1.50		W/A SWAGE WAIVE - RELEASE PST
	0					CEMENT TOP IN 85/8 @ 117'

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBL. THANK YOU NR