

15-191-22249-0000

Ricketts Testing, Inc.

CONFIDENTIAL

ORIGINAL

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Company CEJA CORPORATION Lease & Well No. THEURER #1

Elevation 1225 K.B. Formation SEVERY SAND Effective Pay _____ ft. Ticket No. 1772

Date 11-29-94 Sec. 24 Twp. 33S Range 1W County SUMNER State KANSAS

Test Approved by DENNIS BROWN Ricketts Representative JIM RICKETTS

Formation Test No. 1 Interval Tested from 1932 ft. to 1948 ft. Total Depth 1948 ft.

Packer Depth 1932 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 1929 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 1937 ft. Recorder Number 13307 Cap. 4650

Bottom Recorder Depth (Outside) 1940 ft. Recorder Number 13306 Cap. 4625

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Allen Drilling Rig #1 Drill Collar Length 183 I.D. 2.25 in.

Mud Type Chemical Viscosity 32 Weight Pipe Length _____ I.D. _____ in.

Weight 9.2 Water Loss 80.0 cc. Drill Pipe Length 1722 I.D. 3.25 in.

Chlorides 14,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 in.

Jars: Make Sterling Serial Number 404 Anchor Length 16 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Gravity Oil _____ Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 x h in.

Blow: Weak blow building to a strong blow in 8 minutes Initial Flow Period.
Weak blow building to a strong blow in 8 minutes Final Flow Period.

Recovered 470 ft. of Mud cut water.

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: DST Fluid chlorides 104,000 PPM

RELEASED

MAR 14 1996

JAN 9
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FROM CONFIDENTIAL

Time Set Packer (s) 10:37 A.M. Time Started Off Bottom 2:07 P.M. Maximum Temperature 80°

Initial Hydrostatic Pressure.....(A) 1051 P.S.I.

Initial Flow Period.....Minutes 30 (B) 110 P.S.I. to (C) 143 P.S.I.

Initial Closed In Period.....Minutes 60 (D) 904 P.S.I.

Final Flow Period.....Minutes 60 (E) 220 P.S.I. to (F) 259 P.S.I.

Final Closed In Period.....Minutes 60 (G) 886 P.S.I.

Final Hydrostatic Pressure.....(H) 1034 P.S.I.

RICKETTS TESTING, INC.

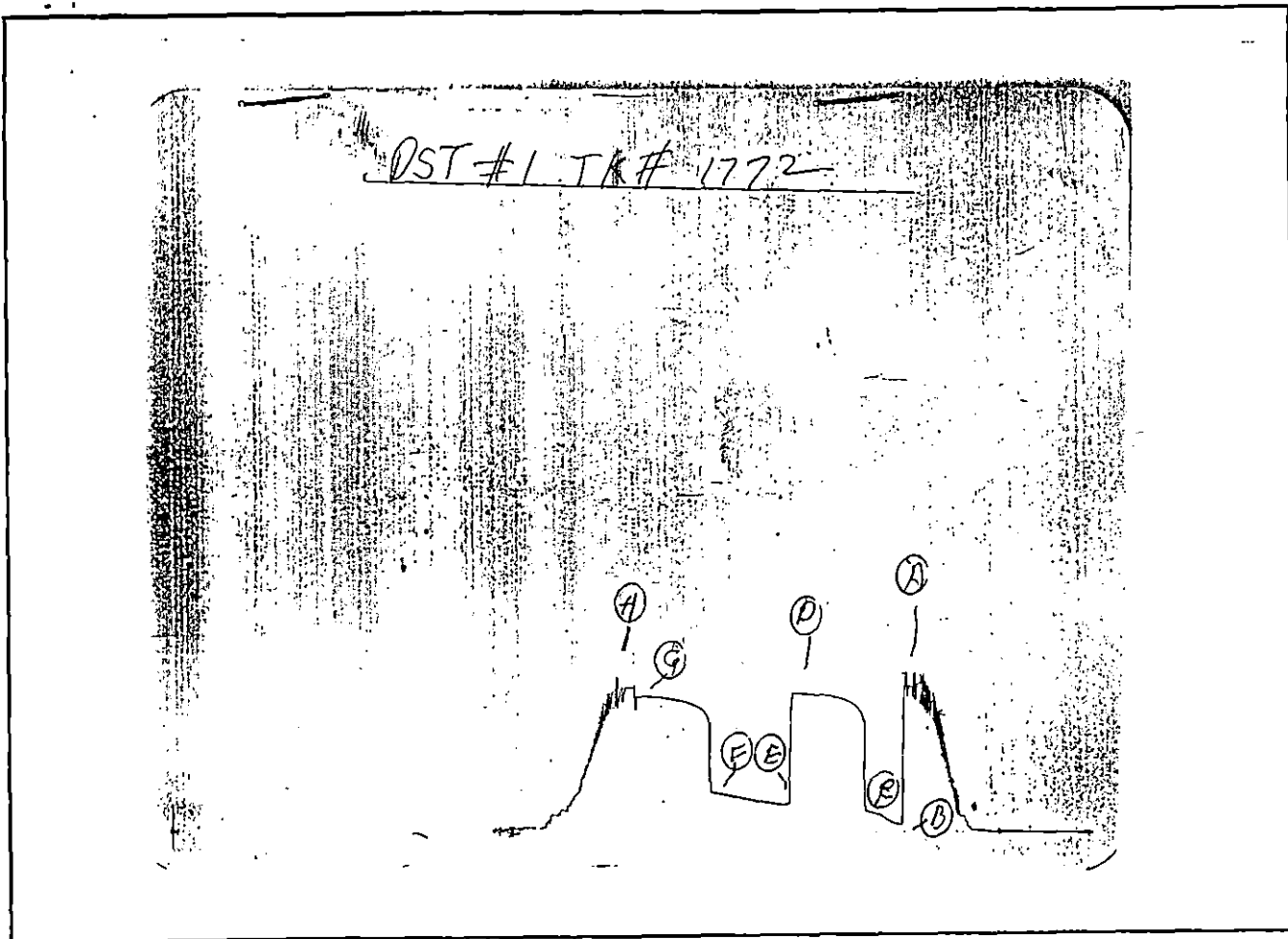
Pressure Data

Date 11-29-94 Test Ticket No. 1772
 Recorder No. 13307 Capacity 4650 Location 1937 Ft.
 Block No. _____ Elevation 1225 K. B. Well Temperature 80 °F

Point	Pressure			Time Given	Time Computed
Initial Hydrostatic Mud	1051	P.S.I.	Open Tool	10:37 A.M.	
First Initial Flow Pressure	110	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
First Final Flow Pressure	143	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
Initial Closed-in Pressure	904	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
Second Initial Flow Pressure	220	P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
Second Final Flow Pressure	259	P.S.I.			
Final Closed-in Pressure	886	P.S.I.			
Final Hydrostatic Mud	1034	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
0	110	0	143	0	220	0	259
5	110	3	694	5	220	3	728
10	110	6	749	10	220	6	770
15	113	9	779	15	220	9	796
20	127	12	812	20	221	12	812
25	136	15	830	25	222	15	823
30	143	18	842	30	223	18	840
35		21	854	35	225	21	849
40		24	865	40	227	24	855
45		27	872	45	230	27	858
50		30	879	50	233	30	864
55		33	882	55	245	33	868
60		36	885	60	259	36	872
65		39	888	65		39	876
70		42	891	70		42	879
75		45	894	75		45	881
80		48	896	80		48	882
85		51	898	85		51	883
90		54	900	90		54	884
95		57	902			57	885
		60	904			60	886



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1043	1051	PSI
(B) First Initial Flow Pressure	92	110	PSI
(C) First Final Flow Pressure	150	143	PSI
(D) Initial Closed-in Pressure	905	904	PSI
(E) Second Initial Flow Pressure	220	220	PSI
(F) Second Final Flow Pressure	260	259	PSI
(G) Final Closed-in Pressure	893	886	PSI
(H) Final Hydrostatic Mud	1030	1034	PSI



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CEMENTING LOG

STAGE NO.

ORIGINAL

Date 11/26/94 District Med. Lodge Ticket No. 0847
Company Allen Drilling Rig ALLEN #1
Lease Theurar Well No. 1
County Sumner State KS
Location 24-33s-1W
Jet Sit Ramp Rd 2 E N15

CEMENT DATA:
Spacer Type: Fresh H2O
Amt. Sks Yield ft³/sk Density PPG

CASING DATA:
PTA Squeeze
Surface Intermediate Production Liner
Size 4 3/4 Type Weight 24# Collar

LEAD: Pump Time hrs. Type 60.46 29 gal
390 cact
Amt. 185 Sks Yield 1.26 ft³ Density 14.8 PPG
TAIL: Pump Time Excess

Casing Depths: Top 0 Bottom 320

Amt. Sks Yield ft³/sk Density PPG
WATER: Lead 5.6 gals/sk Tail gals/sk Total 24.66 Bbls.

Drill Pipe: Size Weight Collars
Open Hole: Size 12 1/2 T.D. 320 ft. P.B. to ft.

Pump Trucks Used 266 Justin Hart
Bulk Equip. 227 John Kelly

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. 1.0637 Lin. ft./Bbl. 15.7015
Open Holes: Bbls/Lin. ft. 1.1459 Lin. ft./Bbl. 6.8599
Drill Pipe: Bbls/Lin. ft. Lin. ft./Bbl.
Annulus: Bbls/Lin. ft. 1.0735 Lin. ft./Bbl. 13.6037
Perforations: From ft. to ft. Amt.

Float Equip: Manufacturer
Shoe: Type Depth
Float: Type Depth
Centralizers: Quantity Plugs Top Waco Btm.
Stage Collars
Special Equip.
Disp. Fluid Type H2O Amt. 19.9 Bbls. Weight PPG
Mud Type Weight PPG

COMPANY REPRESENTATIVE Marvin Petz

CEMENTER Max Ball

Table with columns: TIME (AM/PM), PRESSURES PSI (DRILL PIPE CASING, ANNULUS), FLUID PUMPED DATA (TOTAL FLUID, Pumped Per Time Period, RATE Bbls Min.), REMARKS. Includes handwritten notes and a 'RELEASED' stamp.

ALLIED CEMENTING CO., INC. 000847

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

SERVICE POINT: Medicine Lodge

DATE <u>11/26/94</u>	SEC <u>24</u>	TWP. <u>33s</u>	RANGE <u>1W</u>	CALLED OUT <u>7:30 AM</u>	ON LOCATION <u>7:30 AM</u>	JOB START <u>3:00 PM</u>	JOB FINISH <u>4:00 PM</u>
LEASE <u>Theurar</u>	WELL # <u>1</u>	LOCATION <u>Jct 81 & Ramo Rd 1/2 E N 15</u>		COUNTY <u>Sumner</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)							
CONTRACTOR <u>Allen Drilling Rig #1</u>				OWNER <u>CCJA Corp.</u>			
TYPE OF JOB <u>C.M.T. 8 3/4" Surface CSG</u>				CEMENT			
HOLE SIZE <u>12 1/4"</u>		T.D. <u>320</u>		AMOUNT ORDERED <u>185 sks 60/40, 290 gal 3% accel</u>			
CASING SIZE <u>8 3/4" 24'</u>		DEPTH <u>322</u>		TUBING SIZE _____ DEPTH _____			
DRILL PIPE _____		DEPTH _____		TOOL _____ DEPTH _____			
PRES. MAX <u>200</u>		MINIMUM <u>50</u>		COMMON _____ @ _____			
MEAS. LINE _____		SHOEJOINT <u>19</u>		POZMIX _____ @ _____			
CEMENT LEFT IN CSG <u>14</u>		PERFS. _____		GEL _____ @ _____			
				CHLORIDE <u>RELEASED</u> @ _____			

EQUIPMENT

PUMP TRUCK CEMENTER Max Hall
266 HELPER Justin Hart
BULK TRUCK
227 DRIVER John Kelley
BULK TRUCK
_____ DRIVER _____

DATE JAN 14 1996
FROM CONFIDENTIAL @ _____
HANDLING @ _____
MILEAGE @ _____
TOTAL @ _____

REMARKS:

C.M.T. 8 3/4" surface CSG with 185 sks.
60/40 + 290 gal 3% accel Drop Plug
Displace 19.5 BBL. Closing Head
Cement did circulate

DEPTH OF JOB 320
PUMP TRUCK CHARGE _____
EXTRA FOOTAGE @ _____
MILEAGE MI @ _____
PLUG 8 3/4" Wooden @ _____
TOTAL @ _____

CHARGE TO: Allen Drilling Co

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 Marin P