

Operator Name C & J Pumping, Inc.

Lease Name Straightman-Colle Well # 1

Sec. 30 Twp. 23 Rge. 10
 East
 West

County Reno

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Lansing	3315	-1514
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Viola Chert	3662	-1861
List All E.Logs Run:		Simpson	3777	-1976
Compensated Density/Neutron		Arbuckle	3831	-2030
Dual Induction Laterolog				
Cement Bond Log				

CASING RECORD <input type="checkbox"/> New <input checked="" 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 1/4"	8 5/8"	20	236'	60/40 Poz	175	2% gel, 3% cc
Production	7 7/8"	5 1/2"	15 1/2	3826'	40/60 Poz	125	2% gel 10% salt

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	
2	3663-65		3000 gal 15% FeNe acid	
2	3672-74		860 bbl gelled water frac	
2	3678-80		with 58,500 lbs sand	
1	3686-92			

TUBING RECORD		Size 2 7/8"	Set At 3729'	Packer At none	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. Waiting on gas & SWD lines			Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil 10 Bbls.	Gas 175 Mcf	Water 190 Bbls.	Gas-Oil Ratio 80	Gravity 40

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: 3663'-3665'
3672'-3674'
3678'-3680'
3686'-3692'

ORIGINAL

15-155-21393

Test Ticket

Nº 9365

Well Name & No. COLLE #1 Test No. 1 Date 7-28-96
 Company CES PUMPING INC. Zone Tested HOWARD
 Address P.O. BOX 158 SYLVIA KS. 67581 Elevation 1804^{est} KB 1196^{est} GL
 Co. Rep / Geo. TOO MORGENSTERN Cont. DULL DELG. #2 Est. Ft. of Pay 4 Por. 10%
 Location: Sec. 30 Twp. 23^s Rge. 10^w Co. Reno State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 2615 - 2705' Initial Str Wt./Lbs. 39000 Unseated Str Wt./Lbs. 31,000
 Anchor Length 90' Wt. Set Lbs. 21,000 Wt. Pulled Loose/Lbs. 46,000
 Top Packer Depth 2610' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 2615' Wt. Pipe I.D. — 2.7 Ft. Run None
 Total Depth 2705' Drill Collar — 2.25 Ft. Run None
 Mud Wt. 8.9 LCM ~ Vis. 38 WL 15.0 cc. Drill Pipe Size 4 1/2" x 14' Ft. Run 2,000
 Blow Description IF: Strong below. Btm. of bucket in 20 secs.

FF: Strong below. Btm. of bucket in 5-10 secs. GTS 44 mins. in to final open. T.S.T.M.

Recovery — Total Feet	Final Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
100	~	~	100				
100	S.C.C.M.						
2500	Gas in Pipe						

RELEASED
SEP 25 1998

BHT 95 °F Gravity N.A. °API D@ ~ °F Corrected Gravity N.A. °API
 RW N.C. @ ~ °F Chlorides 8,000 ppm Recovery Chlorides 8,000 ppm System

(A) Initial Hydrostatic Mud 1128 PSI Recorder No. 10248 T-Started 0754
 (B) First Initial Flow Pressure 46 PSI @ (depth) 2702' T-Open 0915
 (C) First Final Flow Pressure 47 PSI Recorder No. 2381 T-Pulled 1217
 (D) Initial Shut-in Pressure 674 PSI @ (depth) 2626' T-Out 1330
 (E) Second Initial Flow Pressure 74 PSI Recorder No. _____
 (F) Second Final Flow Pressure 67 PSI @ (depth) _____
 (G) Final Shut-in Pressure 826 PSI Initial Opening 15 Test NOV 20
 (H) Final Hydrostatic Mud 1194 PSI Initial Shut-in 30 Jars CON
 Final Flow 45 Safety Joint _____
 Final Shut-in 60 Straddle _____
 _____ 4 _____ Circ. Sub _____
 _____ Sampler _____

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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.

Approved By Jerry E. Morganstern
 Our Representative _____

Extra Packer _____
 Elect. Rec.
 Other _____
 TOTAL PRICE \$ ✓

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

CONFIDENTIAL

ORIGINAL

9368

Test Ticket

Well Name & No. Colle #1 Test No. 2 Date 7-30-96
 Company C & S Pumping Inc. Zone Tested VILLA
 Address P.O. Box 1558 Sylvaia Ks 67581 Elevation 1804 KB 1796 GL
 Co. Rep / Geo. TOOD MURGENSTEIN Cont. DUIKE DRLG. #2 Est. Ft. of Pay 6 Por. 12 %
 Location: Sec. 310 Twp. 23^S Rge. 10^W Co. RENO State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3627 - 3679' Initial Str Wt./Lbs. 36,000 Unseated Str Wt./Lbs. 38,000
 Anchor Length 52' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 78,000
 Top Packer Depth 3622' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Bottom Packer Depth 3627' Wt. Pipe I.D. — 2.7 Ft. Run NONE
 Total Depth 3679' Drill Collar — 2.25 Ft. Run NONE
 Mud Wt. 9.5 LCM ~ Vis. 43 WL 13.6 cc. Drill Pipe Size 4 1/2" x .4. Ft. Run 3623'
 Blow Description IF: Heavy blow. GTS in 5 1/2 min. (see gas volume report)
FF: Heavy blow (see gas volume report)

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP
<u>70</u>	<u>Fluid</u>	<u>—</u>	<u>70</u>
Rec. <u>70</u> Feet Of <u>w.m. (w oil specs.)</u>	%gas <u>1</u>	%oil <u>16</u>	%water <u>83</u> %mud
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud

BHT 114 °F Gravity N.A. °API D@ — °F Corrected Gravity N.A. °API
 RW 2.00 @ 86 °F Chlorides 6,600 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud 1815 PSI Recorder No. 10248 T-Started 0513
 (B) First Initial Flow Pressure 93 PSI @ (depth) 3676' T-Open 0634
 (C) First Final Flow Pressure 64 PSI Recorder No. 2351 T-Pulled 1020
 (D) Initial Shut-in Pressure 797 PSI @ (depth) 3636' T-Out 1220
 (E) Second Initial Flow Pressure 71 PSI Recorder No. —
 (F) Second Final Flow Pressure 63 PSI @ (depth) —
 (G) Final Shut-in Pressure 787 PSI Initial Opening 30 Test NOV 20
 (H) Final Hydrostatic Mud 1764 PSI Initial Shut-in 45 Jars _____

Final Flow 60 Safety Joint COP
 Final Shut-in 90 Straddle RELEASED
 Circ. Sub _____
 Sampler SEP 25 1998

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Approved By Tood E. Murgenstein
 Our Representative Cory P. ...

Extra Packer _____
 Elect. Rec. FROM CONFIDENTIAL
 Other _____
 TOTAL PRICE \$ ✓

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

CONFIDENTIAL

Test Ticket

No 9367

Well Name & No. Coll #1 Test No. 3 Date 7-30-96
 Company C E S Pumping Inc. Zone Tested VIOLA
 Address P.O. Box 158 Sylvia Ks. 67581 Elevation 1804 KB 1796 GL
 Co. Rep/Geo. Todd Morawster Cont. Duke Drlg. #2 Est. Ft. of Pay 6 Por. 12 %
 Location: Sec. 30 Twp. 23S Rge. 10W Co. RENO State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) N

Interval Tested 3682 - 3730' Initial Str Wt./Lbs. 38,000 Unseated Str Wt./Lbs. 39,000
 Anchor Length 48' Wt. Set Lbs. 21,000 Wt. Pulled Loose/Lbs. 47,000
 Top Packer Depth 3677' Hole Size — 7 7/8" L Rubber Size — 6 3/4" ✓
 Bottom Packer Depth 3682' Wt. Pipe I.D. — 2.7 Ft. Run NONE
 Total Depth 3730' Drill Collar — 2.25 Ft. Run NONE
 Mud Wt. 9.5 LCM ~ Vis. 44 WL 9.6 cc. Drill Pipe Size 4 1/2" x 11' Ft. Run 3686
 Blow Description FF: Strong blow. Btm. of bucket in 2 1/2 mins.

FF: Strong blow. Btm. of bucket in 5 secs.

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
<u>125</u>	<u>~</u>	<u>~</u>	<u>25</u>	<u>0</u>	<u>0</u>	<u>90</u>	<u>10</u>
<u>75</u> Feet Of <u>G.C.M. @ oil spec!</u>							
<u>50</u> Feet Of <u>G.C.W.M.</u>		<u>5</u>		<u>~</u>	<u>~</u>	<u>~</u>	<u>~</u>
<u>1798</u> Feet Of <u>G.I.P.</u>							
Feet Of				%gas	%oil	%water	%mud
Feet Of				%gas	%oil	%water	%mud

BHT 114 °F Gravity N.A. °API D@ ~ °F Corrected Gravity N.A. °API

RW 0.16 @ 71 °F Chlorides 69,000 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud 1680 PSI Recorder No. 10248 T-Started 1922
 (B) First Initial Flow Pressure 34 PSI @ (depth) 3727' T-Open 2046
 (C) First Final Flow Pressure 48 PSI Recorder No. 2351 T-Pulled 0033
 (D) Initial Shut-in Pressure 758 PSI @ (depth) 3698' T-Out 0230
 (E) Second Initial Flow Pressure 70 PSI Recorder No. ~
 (F) Second Final Flow Pressure 69 PSI @ (depth) ~
 (G) Final Shut-in Pressure 796 PSI Initial Opening 30 Test ✓
 (H) Final Hydrostatic Mud 1767 PSI Initial Shut-in 45 Jars ~

Final Flow 60 Safety Joint ~
 Final Shut-in 90 Straddle ~
 Circ. Sub NOV 20
 Sampler CON

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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.

RELEASED
SEP 25 1998

Approved By Todd E Morawster
Our Representative Ray D. Wolcott FROM CONFIDENTIAL

Extra Packer ~
Elect. Rec. ✓
Other ~
TOTAL PRICE \$ ~

ORIGINAL

CONFIDENTIAL

NOV 20
CONFIDENTIAL

Geological Report

for

C & J Pumping, Inc.

No. 1 Colle
API #15-155-21393
SE-SE-NW
Section 30-23S-10W
Reno County, Kansas

|

RELEASED

SEP 25 1998

FROM CONFIDENTIAL

By: Todd E. Morgenstern, Geologist

P.O. Box 251
Ellinwood, Kansas 67526

KANSAS RECEIVED
1998 NOV 25 P 1:27

OPERATOR: C & J Pumping, Inc.

WELL: No. 1 Colle
API # 15-155-21393

LOCATION: SE-SE-NW
Section 30-23S-10W
Reno County, Kansas

FIELD: Zenith-Peace Creek

CONTRACTOR: Duke Drilling Company, Rig 2

DRILLING COMMENCED: 07-25-96

DRILLING COMPLETED: 07-31-96

DRILLING TIME: One (1) foot drilling time was recorded
from 2000' to 3835' RTD.

SAMPLES: Samples were saved and examined from 2000'
to 3835' RTD.

ELEVATIONS: 1793' Ground Level 1801' Kelly Bushing

MEASUREMENTS: All depths are measured from 1801' K.B.

CASING RECORD: 8 5/8" set @ 236' with 175 sacks.
5 1/2" set @ 3826 with 125 sacks.

FORMATION TESTING: Three (3) tests were run by Trilobite Testing Co.

MUD: Mud Co. (Chemical)

OPEN HOLE LOGS: Halliburton Logging Service Inc. (CNL, CDL, DIL, CAL).

PRODUCTION: Gas & Oil

FORMATION TOPS:

<u>FORMATION</u>	<u>SAMPLE</u>	<u>LOG</u>	<u>DATUM</u>
ANHYDRITE	474'	474'	+1327'
BASE ANHYDRITE	N/A'	489'	+1312'
RED EAGLE	2178'	2179'	- 378'
TOPEKA	2799'	2801'	-886'
HEEBNER	3106'	3109'	-1308'
TORONTO	3131'	3101'	-1330'
BROWN LIME	3259'	3261'	-1460'
LANSING	3291'	3296'	-1495'
BASE KANSAS CITY	3581'	3583'	-1782'
VIOLA	3655'	3656'	-1855'
VIOLA CHERT	3662'	3662'	-1861'
SIMPSON SAND	3775'	3777'	-1976'
ARBUCKLE	3827'	3831'	-2030'
LOG TOTAL DEPTH	*****	3835'	-2034'
ROTARY TOTAL DEPTH	3835'	*****	-2034'

SAMPLE DESCRIPTIONS AND TEST DATA:
(All depths are corrected to log measurements.)

HOWARD:
2688-2695

Limestone, tan and cream, finely crystalline, oolitic and slightly oolitic, with good oolitic porosity, slightly stained, very slight show of free oil and gas bubbles on break. (Covered by DST No. 1)

FORMATION TEST NO. 1
2615-2705 (Howard)

Strong blow	15 min.	I.H.P.	1128#
	30 min.	I.F.P.	46#-47#
Strong blow, GTS 44" TSTM	45 min.	I.S.I.P.	674#
	60 min.	F.F.P.	74#-67#
		F.S.I.P.	826#
		F.H.P.	1194#

RECOVERY: 100' Slightly Gas Cut Mud

TEMPERATURE: 95*

TOPEKA: No shows of oil were noted throughout the Topeka.

TORONTO:
3131-3140 Limestone, tan and gray, dense to finely crystalline, fossiliferous inpart, chalky.

DOUGLAS:
3141-3260 Shale, gray, light gray, black and red and vari-colored, silty and slightly sandy inpart.

LANSING:
3315-3324 Limestone, grey, white and tan, dense, finely crystalline, fossiliferous, slightly oolitic, chalky, with very poor visible pinpoint porosity, light odor, very slight show of free oil on break.

3443-3448 Limestone, cream and gray, dense, oolitic and slightly oolitic, with poor visible porosity, chalky, no shows of oil were noted.

3515-3519 Limestone, cream and tan, very finely crystalline, dense, slightly fossiliferous, oolitic, rare inter-oolitic porosity, chalky, slight to fair dark spotted staining, very slight show of free oil on break.

VIOLA CHERT
3662-3680 Chert, white, bone, tan and opaque, fresh to very slightly weathered, dolomitic inpart, fractured stained edges, slight show of free oil and bleeding gas on break. (Covered by DST No. 2)

FORMATION TEST NO. 2
3627-3679 (Viola Chert)

Strong blow, GTS 5 1/2"	30 min.	I.H.P.	1813#
	45 min.	I.F.P.	93#-64#
Strong blow, GTS	60 min.	I.S.I.P.	797#
	90 min.	F.F.P.	71#-64#
		F.S.I.P.	787#
		F.H.P.	1764#

GAS VOLUME REPORT

INITIAL OPEN

<u>Minutes</u>	<u>PSI</u>	<u>Orifice Size</u>	<u>MCF/D</u>
5.5			GTS
10	9	1/2"	108
20	14	1/2"	141
30	14	1/2"	141

FINAL OPEN

<u>Minutes</u>	<u>PSI</u>	<u>Orifice Size</u>	<u>MCF/D</u>
10	17	1/2"	159
20	18	1/2"	166
30	18	1/2"	166
40	17	1/2"	159
50	17	1/2"	159
60	17	1/2"	159

RECOVERY: 70' Watery Mud w/ oil spots (1% Oil, 16% Water, 83% Mud)

CHLORIDES: 8,600 ppm Recovery 5,000 ppm System

TEMPERATURE: 114*

3682-3700 Dolomite and dolomitic limestone, tan and cream, finely to medium crystalline, with fair intercrystalline porosity, cherty in part, light staining, slight show of free gassy oil, light odor. (Covered by DST #3)

3701-3730 Dolomite and chert, as above with less show.

FORMATION TEST NO. 3

3682-3730 (Viola)

Strong blow	30 min.	I.H.P.	1680#
	45 min.	I.F.P.	34#-48#
Strong blow	60 min.	I.S.I.P.	758#
	90 min.	F.F.P.	70#-69#
		F.S.I.P.	796#
		F.H.P.	1767#

RECOVERY: 1798' Gas In Pipe
75' Gas Cut Mud w/ oil spots (10% Gas, 90% Mud)
50' Gas Cut Watery Mud w/ (5% Gas, 2% Oil, 43% Water, 50% Mud)

CHLORIDES: 69,000 ppm Recovery 5,000 ppm System

TEMPERATURE: 114*

SIMPSON SAND:

3777-3780 Sandstone, clear, gray and frosted, fine to medium grained, sub-rounded, fair sorting, tightly cemented, with poor visible intergranular porosity, light to fair odor, slight shows of free oil on break.

ARBUCKLE:

3831-3835 Dolomite, buff and tan, dense, fine to medium crystalline, oolitic, with fair crystalline and oolitic porosity. No shows of oil.

SUMMARY:

With the positive results of Formation Test No.1 and after reviewing the open hole logs it was decided to run 5 1/2" production casing and complete the No. 1 Colle in the Viola through perforations.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Todd E. Morgenstern", with a long horizontal flourish extending to the right.

Todd E. Morgenstern
Geologist



HALLIBURTON

TICKET CONTINUATION

FIELD COPY

TICKET No. 968603

HALLIBURTON ENERGY SERVICES

CUSTOMER: C+J Pumping Inc. WELL: Straightman #2 DATE: 7-31-96 PAGE 2 OF 2

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	WELL		DATE		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M			
504-136		1			40/60 Pozmix 25lb 2% Gel	100	SK			7.90	790.00	
509-968	516.00158	1			Salt Blended 10% ²⁷	500	lbs			15	75.00	
507-153	516.00161	1			CFR-3 Blended .5%	42	lbs			4.85	203.70	
507-210	890.50071	1			Floccle Blended 1/4 #	25	lbs			1.65	41.25	
Loaded on TRK #4413 - Front												
CONFIDENTIAL												
504-136		1	ORIGINAL		40/60 Pozmix W 2% Gel	50	SK			7.90	395.00	
508-291	516.00337	1	ORIGINAL		Gilsonite Blended 10 #	500	lbs			40	200.00	
509-968	516.00158	1	ORIGINAL		Salt Blended 10%	250	lbs			15	37.50	
507-153	516.00161	1			CFR-3 Blended .5%	21	lbs			4.85	101.85	
507-210	890.50071	1			Floccle Blended 1/4 #	13	lbs			1.65	21.45	
Loaded on TRK #4413 - Back												
CONFIDENTIAL												
RELEASED SEP 25 1998 FROM CONFIDENTIAL												
500-207		1			SERVICE CHARGE	CUBIC FEET		174		1.35	234.90	
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES	318.195	1.05	334.11	
										CONTINUATION TOTAL		2434.76

No. B-325560



JOB LOG HAL-2013-C

CUSTOMER: <i>WINDING INC</i>	WELL NO.: <i>11</i>	LEASE: <i>5th Street Lease</i>	JOB TYPE: <i>WPT 11.2.96</i>	TICKET NO.: <i>911225</i>
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2000							FINISH OUT 1-11-96
	2000							CONFINED WATER @ 31.96
	2015							3 1/2" TUBING SHOCK WOUND - CHUCK
								FOR INSIDE HOLE TRIP TO
								THRU CEMENT 11-70.
	2040							BRICK TIE OUT LOG.
								7 1/2" STBS SET 54' 15" USE 11 5226'
								TRIP IN 12 31' RUN GUIDEL SHOE,
								INSIDE FROM 2 1/2" 1" PLUMB. CHIT.
								BRICK IN 2 1/2" 30101. COST: 1,730,567
	0115							CHASING AND BOTTOM, DROP HILL,
								BRICK CASE W/ HIND PUMP?
								FOR BRICK WENT FREE.
								ROTHTE ANSWER
	0145							HOOK UP HELIX TO TRIP
	0145	6	20			400		PUMP 20661 CHUCK H-0
		6	12			400		PUMP 12661 HIND PUMP
		6	3			400		PUMP 3661 H-0 SPACER
								SHUT DOWN - RITE PAT HOLD
								HOUSE HOLD - 155K, PERMIT
		6	0			400		START MIX LEAD CHIT (85-5K)
		6		NOV 20				FINISH MIX LEAD CHIT.
		6		CON				START MIX TALL CHIT (50-5K)
		6	31			200		FINISH MIX TALL CHIT
								SHUT DOWN
								WASH OUT LOGS & REMOVE PUMP
		8	0			100		START DISP. W/CLAYFIX H-0
		7 1/2	70			250		LIFTING CEMENT
		5	85			400		SLOW RATE
0225		5	91			100		PUMP DOWN
								RELEASE - FRONT HELL
								WASH UP - RITE UP
0300								TUB COMPLETE
								THANKS KEVIN

RELEASED
 SEP 25 1998
 FROM CONFIDENTIAL



HALLIBURTON JOB SUMMARY

DIVISION
HALLIBURTON LOCATION

BILLED ON TICKET NO. 962603

WELL DATA

FIELD _____ SEC. 40 TWP. 235 RNG. 110 COUNTY KEOKU STATE IA

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<input checked="" type="checkbox"/>	5 1/2	5 1/2	1 1/2	3226	
LINER						
TUBING						
OPEN HOLE			7 1/2	3016	3835	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 1-31	DATE 7-31	DATE 8-1	DATE 8-1
TIME 1200	TIME 1200	TIME 1745	TIME 1130

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
ORIGINAL		
RELEASED		
SEP 25 1998		
FROM CONFIDENTIAL		

DEPARTMENT CONCRETE

DESCRIPTION OF JOB CONCRETE 5 1/2" PUMP CEMENT

JOB DONE THRU: TUBING CASING NOV 20 TGB/ANN.

CUSTOMER REPRESENTATIVE X CONFIDENTIAL

HALLIBURTON OPERATOR R. GARDNER COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	100	40 lb #02	B		7% GEL, 5% PSD-3, 1/4" #6 FIBER, 10% SHT	1.30	14.3
	50	40 lb #02	B		7% GEL, 5% PSD-3, 1/4" #6 FIBER, 10% SHT, 10% #10 GEL	1.48	13.65

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. 20.8 TYPE CONCRETE H₂O

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 90.3

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL. 23.1 + 13.1 = 36.2

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 31 REASON EMERGENCY FLOUT

CUSTOMER: C. J. HINDS
 LEASE: STRAIGHT TIME
 WELL NO.: 71
 JOB TYPE: PUMP CEMENT
 DATE: 8-1-98

ALLIED CEMENTING CO., INC. - 4241

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

CONFIDENTIAL

SERVICE POINT: Great Bend

DATE <u>7-25-96</u>	SEC. <u>30</u>	TWP. <u>23</u>	RANGE <u>10</u>	CALLED OUT <u>1:45 PM</u>	ON LOCATION <u>3:15 PM</u>	JOB START <u>5:00 PM</u>	JOB FINISH <u>5:30 PM</u>
LEASE <u>Straightman</u>	WELL # <u>1</u>	LOCATION <u>4th St Rd + Armo Crk. N., 2 1/2, E/wk</u>			COUNTY <u>Reino</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

ORIGINAL

CONTRACTOR Dup. Rig #2

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 236'

CASING SIZE 8 7/8" and 28" DEPTH 236'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

REMARKS Displacement = 13 3/4 bbls

OWNER Same CEMENT

AMOUNT ORDERED 175 lb 60/40 38 cc, 270 med,

EQUIPMENT

PUMP TRUCK CEMENTER Tom D

181 HELPER Bob B

BULK TRUCK

311 DRIVER Tom W

BULK TRUCK

_____ DRIVER _____

COMMON _____

POZMIX _____

GEL _____

CHLORIDE _____

HANDLING _____

MILEAGE _____

FROM CONFIDENTIAL

NOV 20

CONFIDENTIAL SERVICE

REMARKS:

Ran 236' of mixed 28" 8 7/8" cas

Mixed 175 lb 60/40 38 cc. Pumped

plug with fresh water.

Cement did circulate.

J. H. ...

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG 1 - 8 7/8 Woodem _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: C. J. Pumping, Inc.

STREET P.O. Box 158

CITY Sylvia STATE Ks ZIP 67581

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 s. _____ ion and supervision of owner agent or contractr _____ ave read & understand the "TERMS AND COND _____ JS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SICATURE [Signature]

1996 NOV 25 TOTAL 27
 KANSAS RECEIVED