

1-26-96

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

SIDE ONE

API NO. 15- 195-22170-0000  
 County Trego  
 SW - SE - NW Sec. 32 Twp. 13S Rge. 21 X  
2310 Feet from SW (circle one) Line of Section  
1650 Feet from EW (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE, SE, NW or SW (circle one)  
 Lease Name Bongarts Well # 2  
 Field Name Locker **ORIGINAL**  
 Producing Formation None  
 Elevation: Ground 2292 KB 2300  
 Total Depth 4135 PBTD \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 226.49 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&A 094 5-16-96  
 (Data must be collected from the Reserve Pit)  
 Chloride content 17,000 ppm Fluid volume 2500 bblr  
 Dewatering method used Evaporation  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name \_\_\_\_\_  
 Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
 \_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W  
 County \_\_\_\_\_ Docket No. \_\_\_\_\_

Operator: License # 9860  
 Name: Castle Resources, Inc.  
 Address 1200 East 27th # C  
 City/State/Zip Hays, Kansas 67601-2120  
 Purchaser: N/A  
 Operator Contact Person: Jerry Green  
 Phone (913) 625-5155  
 Contractor: Name: Discovery Drilling, Inc.  
 License: 31548  
 Wellsite Geologist: Jerry Green  
 Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSV, Expl., Cathodic, etc)  
 If Workover:  
 Operator: \_\_\_\_\_  
 Well Name: \_\_\_\_\_  
 Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back \_\_\_\_\_ PBTD  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
 1/19/96 1/25/96 1/26/96  
 Spud Date Date Reached ID Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 [Signature]  
 Title President Date 2-20-96  
 Subscribed and sworn to before me this 20th day of February, 1996.  
 Notary Public Nancy Taggart  
 Date Commission Expires 7-2-99

02-21-96  
 RECEIVED  
 KANSAS CORPORATION COMMISSION  
 K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Geologist Report Received  
 Distribution  
 KCC  
 KGS  
 SMV/Dep  
 Plus  
 NGPA  
 Other (Specify)

NANCY TAGGART  
 NOTARY PUBLIC  
 STATE OF KANSAS  
 My Not. Exp. 7-2-99

Operator Name Castle Resources, Inc.

Lease Name Bongarts

Well # 2

Sec. 32 Twp. 13s Rge. 21

East  
 West

County Trego

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: RADIATION GUARD

Name	Formation (Top), Depth and Datum	
	Top	Datum
Topeka	3393'	-1093
Heebner	3626'	-1326
Toronto	3644'	-1344
L/KC	3662'	-1362
L/KC Base	3903'	-1603
Marmaton	4003'	-1703
Cherokee Sand	4058'	-1758
Arbuckle	4122'	-1822

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 Pipe	12 1/4	8 5/8	20	226.49	60/40POZ	135	2%Gel&3%CC

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

TUBING RECORD Size Set At Packer At Liner Run  Yes  No

Date of First, Resumed Production, SMD or Inj. D&A Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

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

Disposition of Gas:  Vented  Sold  Used on Lease (if vented, submit ACO-1B.) METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_ Production Interval \_\_\_\_\_

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-195-22170-00-00

## Test Ticket

ORIGINAL

No 8906

Well Name & No. Burgartz #2 Test No. \_\_\_\_\_ Date -24-95  
 Company Eastle Resources Inc Zone Tested Cherokee  
 Address 1200E 27th AC Hays Ks 67601 Elevation 2200 KB 2292GL  
 Co. Rep / Geo. Jerry Green Cont. Discovery Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 32 Twp. 13s Rge. 21 w Co. Trego State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4038-4083 Initial Str Wt./Lbs. 4800 Unseated Str Wt./Lbs. \_\_\_\_\_  
 Anchor Length 45 Wt. Set Lbs. 1800 Wt. Pulled Loose/Lbs. \_\_\_\_\_  
 Top Packer Depth 4033 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 4038 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 4083 Drill Collar — 2.25 Ft. Run 30  
 Mud Wt. 9.13 LCM \_\_\_\_\_ Vis. 42 WL 10.4 Drill Pipe Size 4 1/2 IH Ft. Run 4012 65  
 Blow Description 1/2" blow building to 9"  
Is T - v/ weak surface blow  
ff - 1/8" blow building to 6"

Recovery	Total Feet	Ft. in DC	Ft. in WP	%gas	%oil	%water	%mud
Rec.	<u>150</u>	Feet Of <u>gip</u>					
Rec.	<u>15</u>	Feet Of <u>cl gassy oil</u>	<u>10</u>	<u>10</u>	<u>90</u>		
Rec.	<u>100</u>	Feet Of <u>MCO</u>		<u>50</u>	<u>50</u>		<u>50</u>
Rec.		Feet Of _____					
Rec.		Feet Of _____					

BHT 110 °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System  
 (A) Initial Hydrostatic Mud 2034 PSI Recorder No. 23 T-Started 20:10  
 (B) First Initial Flow Pressure 67 PSI @ (depth) 4092 T-Open 21:31  
 (C) First Final Flow Pressure 67 PSI Recorder No. 24174 T-Pulled 0001  
 (D) Initial Shut-in Pressure 142 PSI @ (depth) 4078 T-Out 0138  
 (E) Second Initial Flow Pressure 74 PSI Recorder No. \_\_\_\_\_  
 (F) Second Final Flow Pressure 74 PSI @ (depth) \_\_\_\_\_  
 (G) Final Shut-in Pressure 142 PSI Initial Opening 45 Test \_\_\_\_\_  
 (H) Final Hydrostatic Mud 1980 PSI Initial Shut-in 30 Jars \_\_\_\_\_  
 Final Flow 45 Safety Joint \_\_\_\_\_  
 Final Shut-in 30 Straddle \_\_\_\_\_  
 Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Elect. Rec. X Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_

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 [Signature]  
 Our Representative \_\_\_\_\_

RECEIVED  
 KANSAS CORP CO. INC.  
 FEB 21 11:02 AM

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-195-22170-00-00

## Test Ticket

No 8907

Well Name & No. <u>Bongartz #2</u>	Test No. <u>2</u>	Date <u>1-25-95</u>
Company <u>Castle Resources Inc</u>	Zone Tested <u>Cherokee 'D' Seal</u>	
Address <u>1200 E 27th St Hays KS 67601</u>	Elevation <u>2300</u>	KB <u>2292GL</u>
Co. Rep / Geo. <u>Jerry Green</u>	Cont. <u>Discovery</u>	Est. Ft. of Pay <u>    </u> Por. <u>    </u> %
Location: Sec. <u>32</u> Twp. <u>13s</u> Rge. <u>21w</u>	Co. <u>Trego</u>	State <u>KS</u>
No. of Copies <u>    </u>	Distribution Sheet (Y, N) <u>    </u>	Turnkey (Y, N) <u>    </u> Evaluation (Y, N) <u>    </u>

Interval Tested <u>4035 - 4090</u>	Initial Str Wt./Lbs. <u>48,000</u>	Unseated Str Wt./Lbs. <u>50,000</u>
Anchor Length <u>55</u>	Wt. Set Lbs. <u>22,000</u>	Wt. Pulled Loose/Lbs. <u>52,000</u>
Top Packer Depth <u>4035</u>	Hole Size — 7 7/8" <u>    </u>	Rubber Size — 6 3/4" <u>    </u>
Bottom Packer Depth <u>4090 - 4095</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>    </u>	
Total Depth <u>4135</u>	Drill Collar — 2.25 Ft. Run <u>30</u>	
Mud Wt. <u>9.4</u> LCM <u>    </u> Vis. <u>59</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 YA</u>	Ft. Run <u>4012</u>
Blow Description <u>weak 1/2" blow building to 3 1/2"</u>		
<u>IST - no blow</u>		
<u>FF - weak 1/2" blow building to 4"</u>		

Recovery — Total Feet <u>75</u>	Ft. in DC <u>30</u>	Ft. in WP <u>    </u>	Ft. in DP <u>45</u>
Rec. <u>105</u> Feet Of <u>CLP</u>	%gas <u>    </u>	%oil <u>    </u>	%water <u>    </u> %mud <u>    </u>
Rec. <u>75</u> Feet Of <u>OCM</u>	%gas <u>20</u>	%oil <u>    </u>	%water <u>80</u> %mud <u>    </u>
Rec. <u>    </u> Feet Of <u>    </u>	%gas <u>    </u>	%oil <u>    </u>	%water <u>    </u> %mud <u>    </u>
Rec. <u>    </u> Feet Of <u>    </u>	%gas <u>    </u>	%oil <u>    </u>	%water <u>    </u> %mud <u>    </u>
Rec. <u>    </u> Feet Of <u>    </u>	%gas <u>    </u>	%oil <u>    </u>	%water <u>    </u> %mud <u>    </u>

BHT 110 °F Gravity      °API D@      °F Corrected Gravity      °API

RW      @      °F Chlorides      ppm Recovery Chlorides      ppm System

(A) Initial Hydrostatic Mud <u>2015</u> <u>2018</u> PSI	Recorder No. <u>2351</u>	T-Started <u>1305</u>
(B) First Initial Flow Pressure <u>59</u> <u>26</u> PSI	@ (depth) <u>4041</u>	T-Open <u>14:09</u>
(C) First Final Flow Pressure <u>63</u> <u>47</u> PSI	Recorder No. <u>24174</u>	T-Pulled <u>16:09</u>
(D) Initial Shut-in Pressure <u>119</u> <u>133</u> PSI	@ (depth) <u>4085</u>	T-Out <u>17:39</u>
(E) Second Initial Flow Pressure <u>74</u> <u>42</u> PSI	Recorder No. <u>10994</u>	
(F) Second Final Flow Pressure <u>74</u> <u>53</u> PSI	@ (depth) <u>4130</u>	
(G) Final Shut-in Pressure <u>138</u> <u>141</u> PSI	Initial Opening <u>30</u>	Test <u>    </u>
(H) Final Hydrostatic Mud <u>1999</u> <u>1992</u> PSI	Initial Shut-in <u>30</u>	Jars <u>    </u>
<u>AKI</u> <u>AKP</u>	Final Flow <u>30</u>	Safety Joint <u>    </u>
	Final Shut-in <u>30</u>	Straddle <u>    </u>

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Approved By     

Our Representative     

Elect. Rec.     

Other     

TOTAL PRICE \$     

RECEIVED  
 TRILASAS CORP. CO. IN  
 FEB 21  
 A 11:02

# HALLIBURTON SUMMARY

HALLIBURTON LOCATION Hays KsBILLED ON TICKET NO. 915174

## WELL DATA

15-195-22170-00-00FIELD \_\_\_\_\_ SEC 32 TWP. 13 RNG. 21 COUNTY Trego STATE Ks

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 228'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			<u>5 7/8</u>	<u>KB</u>	<u>226</u>	
LINER						
TUBING						
OPEN HOLE				<u>226</u>	<u>228</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1-19-96</u>	DATE <u>1-19-96</u>	DATE <u>1-19-96</u>	DATE <u>1-20-96</u>
TIME <u>1800</u>	TIME <u>2130</u>	TIME <u>2300</u>	TIME <u>0100</u>

## TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>LA-11</u>	<u>1</u>	<u>HALCO</u>
HEAD		
PACKER		
OTHER		

## MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>A. Worth</u>	<u>40071 RUM</u>	<u>Hays Ks</u>
	<u>51374</u>	
<u>R. Roems</u>	<u>57220</u>	<u>Hays Ks</u>
	<u>51374</u>	
<u>M. K. Lin</u>	<u>51511</u>	<u>Hays Ks</u>
	<u>38604</u>	

DEPARTMENT CurtDESCRIPTION OF JOB Run 135 SKS 40/60 RUM  
2 3/4 GEL - 2 1/2 CCJOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN. CUSTOMER REPRESENTATIVE X ThomasHALLIBURTON OPERATOR A. Worth COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>135</u>	<u>40/60</u>	<u>Port</u>	<u>B</u>	<u>2 1/2 gal 3 1/2 gal</u>	<u>1.3</u>	<u>13.61</u>

## PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 15 REASON Requested

## SUMMARY

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD BBL.-GAL. \_\_\_\_\_

TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL.-GAL. \_\_\_\_\_

CEMENT SLURRY: BBL.-GAL. 31.25

TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

## REMARKS

see job log + sheet

thanks Allen, Row mcl

FIELD OFFICE

CUSTOMER \_\_\_\_\_ LEASE \_\_\_\_\_ WELL NO. \_\_\_\_\_ JOB TYPE \_\_\_\_\_ DATE 1-19-96

CUSTOMER Castle Res	WELL NO. #2	LEASE Redondt	JOB TYPE 8 5/8 surface	TICKET NO. 915176
------------------------	----------------	------------------	---------------------------	----------------------

START NO.	START TIME	STOP TIME	DESCRIPTION
1	1900		called out
	2130		on location - discuss safety
			Setup + Plan Job - Rig Drilling @ 144
			Hole out + CIR.
			Full Drill pipe out of hole
2303			Rig up to Roof 2303
2343			Start 8 5/8 cas. in hole 12 1/4"
2345			CSG on Bottom.
0003			CIR w/ MucH Hog.
	5		Hook up to cont well
			250' st mix 135 SKS 40/60 Poz 29%
			gel 3%OLL
	5 1/2		250' Fin mix - Release Plug.
	5		250' Start Disp.
	13 3/4		hump 13 3/4 BBLs
0018			300' Plug down - Shut in @ head.
			CIR 20 SKS to Pit

RECEIVED  
 HALLIBURTON  
 1992 FEB 21 A 11:02

thanks Allen, Ross, Mel

FIELD OFFICE



HALLIBURTON

# JOB SUMMARY

HALLIBURTON LOCATION

HAYS, KS

BILLED ON TICKET NO. 915091

## WELL DATA

15-146-22170-00-00

FIELD \_\_\_\_\_ SEC 32 TWP. 13 RNG. 21 COUNTY TREBO STATE KS

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 4135

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			8 5/8	KB	226	
LINER						
TUBING						
OPEN HOLE			7 7/8	226	4135	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1-25</u>	DATE <u>1-25</u>	DATE <u>1-25</u>	DATE <u>1-26</u>
TIME <u>1900</u>	TIME <u>2030</u>	TIME <u>2230</u>	TIME <u>0700</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
W. WILSON	B9377	HAYS, KS
D. ASH	E1609	"
C. JOHNSON	H1659	"
	PEEK UP 39604	
	PTAR 512332	
	BOLE 51232-7402	

## TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>LA-11</u>	<u>1</u>	<u>HOWCO</u>
HEAD		
PACKER		
OTHER		

## MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU FT / SCK	MIXED LBS./GAL.
	<u>225</u>	<u>40 / 50</u>		<u>B</u>	<u>675 GEL, 14 # FLOCCULE P/SK</u>	<u>110L</u>	<u>12.5</u>

## PRESSURES IN PSI

## SUMMARY

## VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL. GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL. GAL. \_\_\_\_\_ PAD: BBL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL. GAL. \_\_\_\_\_ DISPL: BBL. GAL. \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL. GAL. 66.9

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL. GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS

AVERAGE RATES IN BPM \_\_\_\_\_ SEE JOB LOG

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_ MAKE LOG

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET \_\_\_\_\_ REASON \_\_\_\_\_

FIELD OFFICE

CUSTOMER CASTLE RESOURCES  
LEASE  
WELL NO. 1  
JOB TYPE PTA  
DATE 1-26-06

CUSTOMER <b>CASTLE RESOURCES</b>	WELL NO. <b>2</b>	LEASE <b>BRUNGARTZ</b>	JOB TYPE <b>PTA</b>	TICKET NO. <b>915091</b>
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS RT. C.	PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					TUBING	CASING	
	1900	1-25					CALLED OUT ORIGINAL
	2030						ON LOCATION - DISCUSS JOB PROCEDURE
	2330		7.4				1 <sup>ST</sup> PLUG - 25 SKS @ 4080'
	0230		7.4				2 <sup>ND</sup> PLUG - 25 SKS @ 1710'
	0340		29.7				3 <sup>RD</sup> PLUG - 100 SKS @ 900'
	0410		11.9				4 <sup>TH</sup> PLUG - 40 SKS @ 276'
	0615		3				5 <sup>TH</sup> PLUG - 10 SKS @ 40' WOOD PLUG
	0620		4 1/2				6 <sup>TH</sup> PLUG - 15 SKS RATTIOL
	0625		3				7 <sup>TH</sup> PLUG - 10 SKS MOUSE HOLE
							WASH UP
							RACK UP
	0700						JOB COMPLETE
							THANK YOU WAYNE DAVE
							RECEIVED KANSAS CORP FEB 21 A 11:02
							PUMP TIME - 1 HOUR

FIELD OFFICE