

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

Operator: License # 9860  
Name: Castle Resources Inc.  
Address 1200 E. 27, Suite C  
City/State/Zip Hays, KS 67601-2120  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Jerry Green  
Phone (913) 625-5155  
Contractor: Name: Emphasis Oil Operations  
License: 8241  
Wellsite Geologist: Jerry Green  
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SVD  S10W  Temp. Abd.  
 Gas  ENHR  S10V  
 Dry  Other (Core, MSM, 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/SVD  
 Plug Back  PSTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SVD or Inj?)  Docket No. \_\_\_\_\_  
3/30/92 4/6/92  
Spud Date: \_\_\_\_\_ Date Reached TD: \_\_\_\_\_ Completion Date: \_\_\_\_\_

API NO. 15- 101-21,618 -00-00  
County Lane  
SW NE SE Sec. 12 Twp. 17s Rng. 30  E  
1650 Feet from  N (circle one) Line of Section  
990 Feet from  W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE,  SE, NW or SW (circle one)  
Lease Name York Well # 1  
Field Name \_\_\_\_\_  
Producing Formation \_\_\_\_\_  
Elevation: Ground 2834 KB 2839  
Total Depth 4595 PSTD \_\_\_\_\_  
Amount of Surface Pipe Set/and Cemented at 235' 244 Feet  
Multiple Stage Cementing Collar Used?  Yes  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 2 D&A JH 7-1-94  
(Data must be collected from the Reserve Pit)

Chloride content 24,000 ppm Fluid volume 300 bbls  
Dewatering method used Allowed to dry - backfill  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

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 John D. W. Garland  
Title Chief Operating Officer Date 7/27/92  
Subscribed and sworn to before me this 27 day of July, 19 92.  
Notary Public Chris Schumacher  
Date Commission Expires 5-8-96

E.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution \_\_\_\_\_  
KCC \_\_\_\_\_  
KGS \_\_\_\_\_  
RECEIVED  
AUG 28 1992  
KANSAS CORPORATION COMMISSION

CHRIS SCHUMACHER  
State of Kansas  
My Appt. Exp. 5-8-96

SIDE TMD

Operator Name Castle Resources Inc. Lease Name York Well # 1  
 Sec. 12 Twp. 17s Rge. 30  East county Lane  
 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 Datum	<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	Anhydrite	2230	+ 609
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3932	-1093
List All E.Logs Run:		Lansing-KC	3970	-1131
Radiation guard		B-KC	4318	-1479
		Fort Scott	4486	-1647
		Mississippi	4585	-1746
		TD	4595	-1756

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	244	60/40 poz	145	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		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, SUD or Inj.		Producing Method <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 Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

# TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

## Drill-Stem Test Data

Well Name YORK #1 Test No. 1 Date 4/5/92  
Company CASTLE RESOURCES Zone Tested MYRIC / PAWNEE  
Address 1200 E 27th BANK IV SUITE C HAYS KS Elevation N/A  
Co. Rep./Geo. JERRY GREEN Cont. EMPHASIS #8 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 12 Twp. 17S Rge. 30W Co. LANE State KS

Interval Tested 4420-4480 Drill Pipe Size 4.5 XH  
Anchor Length 60 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 4425 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 4420  
Total Depth 4480

Mud Wt. 8.9 lb / gal. Viscosity 41 Filtrate 10

Tool Open @ 1:55 PM Initial Blow WEAK - BUILDING TO FAIR BLOW BOTTOM OF  
BUCKET IN 42 MINUTES  
Final Blow WEAK-BUILDING TO FAIR BLOW BOTTOM OF BUCKET  
IN 41 MINUTES

Recovery — Total Feet 275 Flush Tool? NO

Rec. 31 Feet of SLTLY OIL CUT MUD-2%OIL/98% MUD

Rec. 61 Feet of WTR CUT MUD W/ SCUM OF OIL-10%WTR/90%MUD

Rec. 61 Feet of SLTLY OIL CUT MUDDY WTR-2%OIL/20%WTR/78%MUD

Rec. 61 Feet of SLTLY OIL CUT MUDDY WTR-2%OIL/30%WTR/68%MUD

Rec. 61 Feet of SLTLY OIL & MUD CUT WTR-2%OIL/60%WTR/38%MUD

BHT 116 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2214.7 PSI Ak1 Recorder No. 7437 Range 4200

(B) First Initial Flow Pressure 62.3 PSI @ (depth) 4424 w/Clock No. 8179

(C) First Final Flow Pressure 115.8 PSI Ak1 Recorder No. 13849 Range 4375

(D) Initial Shut-In Pressure 1141.7 PSI @ (depth) 4476 w/Clock No. 26199

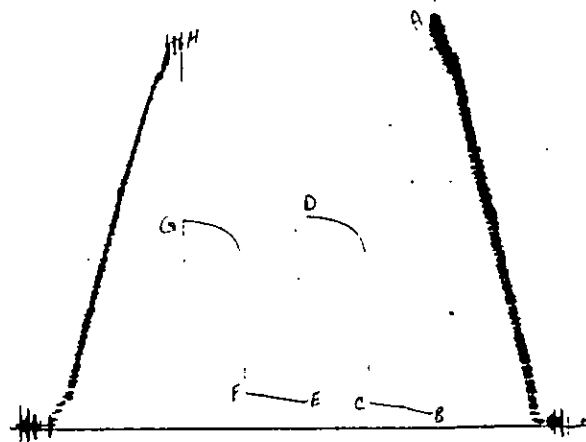
(E) Second Initial Flow Pressure 138.9 PSI Ak1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 180.4 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-In Pressure 1120.4 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 2099.8 PSI Initial Shut-In 45 Final Shut-In 45

Our Representative DAN BANGLE TOTAL PRICE \$ 550



This is an actual photograph of recorder chart  
PRESSURE

POINT

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2202	2214.7
(B) FIRST INITIAL FLOW PRESSURE	55	62.3
(C) FIRST FINAL FLOW PRESSURE	111	115.8
(D) INITIAL CLOSED-IN PRESSURE	1139	1141.7
(E) SECOND INITIAL FLOW PRESSURE	133	138.9
(F) SECOND FINAL FLOW PRESSURE	177	180.4
(G) FINAL CLOSED-IN PRESSURE	1117	1120.4
(H) FINAL HYDROSTATIC MUD	2092	2099.8

# TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

# ORIGINAL

## Test Ticket

No 4895

Well Name & No. York #1 Test No. 1 Date 4-5-92  
 Company Castle Res. Inc. Zone Tested Myric St/Pawnee  
 Address 1200 E. 27th Hays, Ks 67601 Elevation \_\_\_\_\_  
 Co. Rep./Geo. Jerry Green Cont. Emphasis #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 12 Twp. 17 Rge. 30 Co. Lane State Ks.  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 4420 - 4480 Drill Pipe Size 4.5 XH  
 Anchor Length 60 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 1/4" \_\_\_\_\_  
 Top Packer Depth 4425 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 4420 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 4480 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 8.9 lb/gal. Viscosity 41 Filtrate 10  
 Tool Open @ 1:55 P.M. Initial Blow Weak - building to fair blow bottom of bucket in 42 min.  
 Final Blow Weak - building to fair blow bottom of bucket in 41 min.

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>275</u>	_____	_____
Rec. <u>381</u> Feet Of <u>Silly O.C.M.</u>	%gas <u>2</u> %oil _____ %water <u>98</u> %mud _____	
Rec. <u>61</u> Feet Of <u>W.C.M. w/Scum Oil</u>	%gas _____ %oil _____ %water <u>10</u> %mud <u>90</u>	
Rec. <u>61</u> Feet Of <u>Silly O.C. Mdy WTC</u>	%gas <u>2</u> %oil _____ %water <u>20</u> %mud <u>78</u>	
Rec. <u>61</u> Feet Of <u>Silly O.C. Mdy WTC</u>	%gas <u>2</u> %oil _____ %water <u>30</u> %mud <u>68</u>	
Rec. <u>61</u> Feet Of <u>Silly O.C. M.C. WTC</u>	%gas <u>2</u> %oil _____ %water <u>60</u> %mud <u>38</u>	

BHT 116 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 3,000 ppm System  
 (A) Initial Hydrostatic Mud 2202 PSI AK1 Recorder No. 7437 Range 4200  
 (B) First Initial Flow Pressure 55 PSI @ (depth) 4424 w/Clock No. 8179  
 (C) First Final Flow Pressure 111 PSI AK1 Recorder No. 13849 Range 4325  
 (D) Initial Shut-in Pressure 1139 PSI @ (depth) 4476 w/Clock No. 26199  
 (E) Second Initial Flow Pressure 133 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 177 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-in Pressure 1117 PSI Initial Opening 45 Test \_\_\_\_\_  
 (H) Final Hydrostatic Mud 2092 PSI Initial Shut-in 45 Jars \_\_\_\_\_

TRILOBITE TESTING COMPANY 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 SUBSTAINED, 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.

Final Flow 45 Safety Joint \_\_\_\_\_  
 Final Shut-in 45 Straddle \_\_\_\_\_  
 Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_

Approved By \_\_\_\_\_  
 Our Representative [Signature]



HALLIBURTON SERVICES

A Division of Halliburton Company

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ORIGINAL

ATTACH TO INVOICE & TICKET NO. 191630

DRM 1908 R-7

DISTRICT Pratt, Ks

DATE 3-30-92

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Castle Resources (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1 LEASE York SEC. 7 TWP. 17 RANGE 29

FIELD \_\_\_\_\_ COUNTY Lane STATE Ks. OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
PACKER: TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
TOTAL DEPTH \_\_\_\_\_ MUD WEIGHT \_\_\_\_\_  
CORE HOLE \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF  
PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING		20#	8 5/8	KB		
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED \_\_\_\_\_  
Cement surface as requested

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
  1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
  2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
  3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for rigging operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED M. B. G. S. CUSTOMER

DATE 3-30-92

TIME 2:31 PM

RECEIVED JUL 28 1992 CONSERVATION DIVISION

**JOB SUMMARY**

DIVISION \_\_\_\_\_  
HALLIBURTON LOCATION Ness City, KS

BILLED ON TICKET NO. 194630

**WELL DATA**

FIELD \_\_\_\_\_ SEC. 7 TWP. 17 RNG. 29 COUNTY LANE 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 \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<u>20'</u>	<u>8 1/2</u>	<u>KB</u>	<u>245</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-30</u>	DATE <u>3-30</u>	DATE <u>3-30</u>	DATE <u>3-30</u>
TIME <u>1910</u>	TIME <u>2110</u>	TIME <u>2300</u>	TIME <u>2400</u>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Lemmon</u>	<u>3580</u>	
<u>B. Crosswhite</u>	<u>RCM</u>	<u>Ness City, KS.</u>
<u>D. Ash</u>	<u>0530</u>	
	<u>B-7FK</u>	<u>Hays, KS</u>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
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 \_\_\_\_\_

DEPARTMENT Cement  
DESCRIPTION OF JOB Cement Surface Casing  
JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X M. B. 250  
HALLIBURTON OPERATOR Don Lemmon COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>145</u>	<u>60/40 PCL A</u>	<u>B</u>	<u>B</u>	<u>2% gal, 3% C.C.</u>	<u>1.28</u>	<u>14.36</u>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL.-GAL. \_\_\_\_\_  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY (BBL.-GAL.) 33  
HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS \_\_\_\_\_  
AVERAGE RATES IN BPM \_\_\_\_\_  
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
CEMENT LEFT IN PIPE \_\_\_\_\_  
FEET \_\_\_\_\_ REASON \_\_\_\_\_

STATE OF KANSAS  
FILED  
JUL 20 1992  
CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER Castle Resources  
LEASE York  
WELL NO. 1  
JOB TYPE Cement  
DATE 3-29-92

**JOB LOG**

WELL NO. 1 LEASE York TICKET NO. 194630  
 CUSTOMER Castle Resources PAGE NO. 1  
 JOB TYPE Cement Surface DATE 3-30-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2110							DN location - Rig drly.
								Sat up P.T.
	2150							Bulk T&E DN location
	2240							Rig run 8 7/8" casing
	2320							Hook to casing
	2325							Rig cir
	2330							Fin cir - Hook to Head
	2333	5				100		Start 145 SKS 60/40 Poz, 20% gel, 3% C.C.
	2340		33			100		Fin cmt.
								Release 2 wip Top Plug
	2342	5				50		start Displ.
	2345		14 1/2			100		Fin Displ. - (2 BBL cmt cir.) (close in @ Head)
								Wash up & Rack up.
	2400							Job Complete

*Thank You*

D. Lewman 71718  
 B. Crosswhite 89543  
 P. Asl E1609

#3580 - P  
 #2530 - P

RECEIVED  
 STATE CORPORATE COMMISSION  
 JUL 28 1992  
 CONSERVATION DIVISION  
 Wichita Kansas