

ORIGINAL

SIDE ONE

19387-0001

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

API NO. 15- 051-01,002

County Ellis

SE SW SW Sec. 36 Twp. 13S Rge. 19 X East West

330 Ft. North from Southeast Corner of Section

4290 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name College Well # 1

Field Name Fort Hays College Pool

Producing Formation Lansing, KC

Elevation: Ground N/A KB         

Total Depth 3860' PBTD 3820

Operator: License # 9860

Name: Castle Resources

Address RR #1, Box 90

City/State/Zip Hays, KS 67601

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 X Re-Entry          Workover

X Oil          SWD          Temp. Abd.

         Gas          Inj          Delayed Comp.

         Dry          Other (Core, Water Supply, etc.)

If **OWMO**: old well info as follows:

Operator: Kansas Exploration Co.

Well Name: State 'B' #1

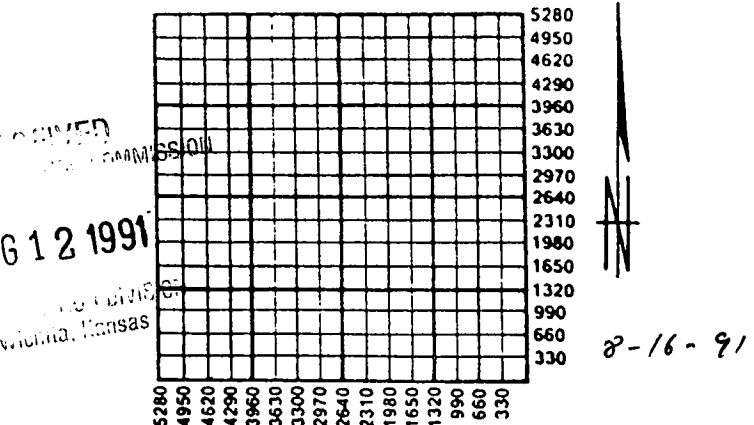
Comp. Date 8/30/62 Old Total Depth 3860'

Drilling Method:

X Mud Rotary          Air Rotary          Cable

4/15/91 4/17/91 5/1/91

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at Prev. Set 240 Feet

Multiple Stage Cementing Collar Used?          Yes X No

If yes, show depth set          Feet

If Alternate II completion, cement circulated from TD

feet depth to surface w/ 460 sx          ft.

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WICHITA, KANSAS

**INSTRUCTIONS:** This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-111 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Jerry Green

Title President Date         

Subscribed and sworn to before me this 9 day of Aug, 19 91.

Notary Public Reene Miner

Date Commission Expires 7-2-95

**K.C.C. OFFICE USE ONLY**

F          Letter of Confidentiality Attached  
C ✓ Wireline Log Received  
C          Drillers Time Log Received

**Distribution**

✓ KCC          SWD/Rep          NGPA  
         KGS          Plug          Other (Specify)

RENEE MINER  
NOTARY PUBLIC-STATE OF KANSAS  
My Appt. Exp. 7-2-95

**SIDE TWO**

Operator Name Castle Resources Lease Name College Well # 1

Sec. 36 Twp. 13S Rge. 19  East  West  
 County Ellis

**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.)

Formation Description		
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Name	Top	Bottom
Anhydrite	1473	+ 734
Heebner	3458	-1251
Toranto	3476	-1269
L-KC	3504	-1297
B-KC	3766	-1559
RTD	3860	-1653

**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	13"	8 5/8	N/A	270	165 sks	N/A	N/A
Long String	7 7/8	4 1/2	9 1/2	3860	60/40	460	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated	Amount and Kind of Material Used	Depth
4/ft	3524-30	1500 gal 15% acid	

**TUBING RECORD** Size 2/38 Set At 3820 Packer At none Liner Run  Yes  No

Date of First Production May 1, 1991 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)  
 Estimated Production Per 24 Hours  
 Oil 30 Bbls. Gas 160 Mcf Water 160 Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_  
 Production Interval \_\_\_\_\_

DISTRICT Hogs, KS

DATE 4-10-91

TO: HALLIBURTON SERVICES 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 College Hill SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANGE \_\_\_\_\_  
FIELD \_\_\_\_\_ COUNTY Ellis STATE KS OWNED BY \_\_\_\_\_

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 \_\_\_\_\_  
BORE 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	<u>6L</u>	<u>9.5</u>	<u>4 1/2</u>	<u>6L</u>	<u>3710</u>	
LINER						
TUBING						
OPEN HOLE				<u>2700</u>	<u>3853</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED  
CONT 4 1/2" Long string w/ 250 SKS Econolite 40 bbl Drig mud  
20 bbl salt flush 2 bbl spacer 12 bbl spacer flush 250K spacer  
35 SKS 60/40 & 185 SKS EA-2

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 marine 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.

AUG 12 1991

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

SIGNED \_\_\_\_\_ CUSTOMER  
DATE 4-10-91  
TIME 12:55 A.M. PM

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <b>1 College Hill</b>		COUNTY <b>Ellis</b>	STATE <b>KS</b>	CITY / OFFSHORE LOCATION	DATE <b>4-11-91</b>
CHARGE TO <b>Wells Services</b>		OWNER <b>Scamp</b>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS <b>1111 S. Broadway</b>		CONTRACTOR <b>Scamp</b>	1 LOCATION <b>Wells KS</b>		CODE <b>23525</b>
CITY, STATE, ZIP		SHIPPED VIA <b>COLTR</b>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	2 LOCATION	CODE
WELL TYPE <b>91</b>	WELL CATEGORY <b>01</b>	WELL PERMIT NO.	DELIVERED TO <b>200 W. Adams</b>	3 LOCATION	CODE
TYPE AND PURPOSE OF JOB <b>030</b>		<b>B-</b>	ORDER NO.	REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices 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 an attorney 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. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies, and materials, and that the same are free from defects in workmanship and materials. THERE IS NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTENDS BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Such warranty is hereby disclaimed and the customer is advised that the customer is to be held responsible for the proper use of any products, supplies, or materials supplied by Halliburton or its subsidiaries. Halliburton, in its sole discretion, may accept or reject any supplies or materials on their return to Halliburton or its subsidiaries, or to the allowance to the customer of credit for the cost of such supplies or materials. Halliburton shall not be liable for any consequential or punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
000-117		1		MILEAGE 13472	6 mi				2.44	15	60
001-016		1		Pump 269	320	FT				1240	00
033-018		1		Sew Top plug	1 ea		4 1/2 in	50.00		50	00
017-317		1		Super Flush	12	buys		2.20		26.40	00
12A	705.201	1		Regular guide shoe	1 ea		4 1/2 in			29	00
24A	715.1901	1		Insert Float Valve	1 ea		"			73	00
27	815.19111	1		Fill up Ass'y	1 ea		1 in			27	50
320	700.8281	1		cement Bag Kat	3 ea		4 1/2 in	75.00		225	00
40	707.63001	1		centralizers 54	7 ea		"	43.00		301	00
60	707.00007	1		Kato wall scratchers	10 ea		"	22.00		220	00
66	707.61001	1		Fast Grip Clamps	24 ea		"	1.60		384	00

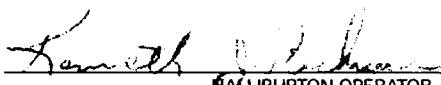
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 STATE OF \_\_\_\_\_  
**AUG 12 1991**  
 CONSTRUCTION  
 \_\_\_\_\_

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

**B- 70426**

**5524 27**

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_  
 WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_  
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_  
**X** \_\_\_\_\_  
 CUSTOMER OR HIS AGENT (PLEASE PRINT)  
**X** \_\_\_\_\_  
 CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.  
  
 HALLIBURTON OPERATOR  
 HALLIBURTON APPROVAL  
 CUSTOMER

SUB TOTAL  
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.



**HALLIBURTON SERVICES**

A Halliburton Company

**ORIGINAL**

INVOICE

INVOICE NO.	DATE
103784	04/16/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
COLLEGE HILL 1		ELLIS		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
HAYS		EMPHASIS		TOP OUTSIDE PRODUCTION CASING		04/16/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
151571	TERRY WILLIAM			COMPANY TRUCK	13820	

CASTLE RESOURCES  
 R R 1 STONEWOOD ESTATES LOT 8  
 HAYS, KS 67601

DIRECT CORRESPONDENCE TO:  
 FIRST OKLAHOMA TOWER  
 210 WEST PARK AVENUE  
 SUITE 2050  
 OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
508-292	GILSONITE, SACKED	2350	LB	.47	1,104.50 *
507-285	ECONOLITE	400	LB	.90	360.00 *
507-210	FLOCELE	31	LB	1.30	40.30 *
507-153	CFR-3	87	LB	4.10	356.70 *
500-207	BULK SERVICE CHARGE	563	CFT	1.15	647.45 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	149.583	TMI	.80	119.67 *
INVOICE SUBTOTAL					9,069.77
DISCOUNT-(BID)					1,813.95-
INVOICE BID AMOUNT					7,255.82
*-KANSAS STATE SALES TAX					223.91
*-HAYS CITY SALES TAX					26.34
<b>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</b>					<b>\$7,506.07</b>

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 STATE OF KANSAS COMMISSION  
 AUG 12 1991  
 CONSERVATION DIVISION  
 Wichita, Kansas

TERMS: INVOICES 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 AN ATTORNEY 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.



INVOICE

HALLIBURTON SERVICES

A Halliburton Company

ORIGINAL

INVOICE NO.	DATE
103784	04/16/1991

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PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
<b>PRICING AREA - MID CONTINENT</b>					
000-117	MILEAGE	6	MI	2.60	15.60
		1	UNT		
001-016	CEMENTING CASING	3860	FT	1,240.00	1,240.00
		1	UNT		
030-018	CEMENTING PLUG SW, PLASTIC TOP	4	1/2 IN	50.00	50.00
		1	EA		
018-317	SUPER FLUSH	12	SK	87.00	1,044.00
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA	89.00	89.00
825.201					
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA	73.00	73.00
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	27.50	27.50
815.19111					
320	CEMENT BASKET 4 1/2"	3	EA	85.00	255.00
800.8881					
40	CENTRALIZER 4-1/2" MODEL S-4	7	EA	43.00	301.00
807.93004					
60	ROTO WALL CLEANER 2 1/8" SPIKE	10	EA	22.00	220.00
807.0007					
66	FASGRIP LIMIT CLAMP 4 1/2"	24	EA	9.60	230.40
807.64021					
504-308	STANDARD CEMENT	185	SK	5.45	1,008.25
504-308	STANDARD CEMENT	163	SK	5.45	888.35
506-105	POZMIX A	87	SK	3.00	261.00
506-121	HALLIBURTON-GEL 2X	4	SK	.00	N/C
507-277	HALLIBURTON-GEL BENTONITE	16	SK	13.75	220.00
504-308	STANDARD CEMENT	21	SK	5.45	114.45
506-105	POZMIX A	14	SK	3.00	42.00
506-121	HALLIBURTON-GEL 2X	1	SK	.00	N/C
509-968	SALT	1443	LB	.10	144.30
509-968	SALT	400	LB	.10	40.00
508-127	CAL SEAL	9	SK	19.70	177.30

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Wichita, Kansas

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

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**JOB LOG**

WELL NO. 1 LEASE College Hill TICKET NO. 103024  
 CUSTOMER Castle Resources PAGE NO. 1  
 JOB TYPE Lung String DATE 4-16-91

ORIGINAL

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							Called out to cut 4 1/2" Lung String of 250 SKS Econolite 35 SKS FW 4175 SKS FA-2
	1720							in loc w/ float equip 7 cent 3 baskets 30' scratchers 24 clumps
	1730							Attach clamps & scratchers on 7-9-10 ITS
	1915							st. casing 4 1/2" 7.5" 3200' drop hole to knock out fill tube casing to TD
	2240							Hook up to casing & rig pump Establish cir & knock out Adiu fill tube
								200 Hook up to cut pump stable salt flush
								200 2 bbl spacer
								300 250 SKS Econolite FW
			130					150 Econolite mixed & 2 bbl spacer
			40					100 ST 40 bbl mud spacer
			2					100 ST 2 bbl FW spacer
			12					150 ST 12 bbl Super Flush
			2					150 ST 2 bbl FW spacer
			8					100 ST 35 SK balsa pad 200g S# fill for scavenger
								150 ST 175 SKS FA-2 cut #2 FA-3 5 1/2" fill SK
			45					100 cut mixed & plug rat hole & wash pump & line out
	2333							Rel plug & ST displ
	2345		62					1500 plug down @ 3220', did not cut cut to SURF
	2347							0 Rel to 11K (OK) float hold.
	2359							Wash & rack up equip Job complete K. Richman

AUG 12 1991

CONFIDENTIAL

CUSTOMER