

CONFIDENTIAL

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

ORIGINAL

Operator: License # 5703
Name: J. M. Huber Corporation
Address 7120 I-40 West, Suite 100
Amarillo, Texas 79106
City/State/Zip
Purchaser: Associated Natural Gas
Operator Contact Person: William D. Siddens
Phone (806.) 353-9837
Contractor: Name: Cheyenne Drilling, Inc.
License: 05382
Wellsite Geologist: None
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOV Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, 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/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
9-30-93 10-8-93 12-3-93
Spud Date Date Reached TD Completion Date

API NO. 15- 187-20686-0000
County Stanton
App. SE NE SE Sec. 10 Twp. 29S Rge. 41 X E
1350 Feet from S/N (circle one) Line of Section
330 Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Cockreham Well # 10-1
Field Name Arroyo (Morrow)
Producing Formation Morrow
Elevation: Ground 3375' KB 3386'
Total Depth 6020' PBTB 5509'
Amount of Surface Pipe Set and Cemented at 1652 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/ _____ ex cmt.

Drilling Fluid Management Plan ALT 1 QN 4-1-94
(Data must be collected from the Reserve Pit)
Chloride content 1000 ppm Fluid volume 11,000 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite:
RELEASED
Operator Name KCC
Lease Name JAN 1 4 1996 License No. 5
Quarter 1 Sec. 10 Twp. 29S Rge. 41 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 Robert Cornelius
Title District Engineer Date 1-12-94
Subscribed and sworn to before me this 12th day of January, 1994.
Notary Public Gail Metcalf
Date Commission Expires _____
GAIL METCALF
Notary Public, State of Kansas
My Commission Expires 3-10-04

RECEIVED OFFICE USE ONLY
STATE CORPORATION COMMISSION
Letter of Confidentiality Attached
 Wireline Logs Received
 Geologist Report Received
JAN 16 1994
Distribution
SVD/Rep _____ NGPA
Plug _____ Other _____
(Specify)

SIDE TWO

Operator Name J. M. Huber Corporation Lease Name Cockreham Well # 10-1

Sec. 10 Twp. 29S Rge. 41 East West
 County Stanton

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: **KCC**
JH **COMPENSATED NEUTRON DENSITY**
DUAL INDUCTION
DIGITAL SONIC ARRAY

Log Formation (Top), Depth and Datums Sample
 Name Top Datum
 *See Attached

CASING RECORD <input checked="" type="checkbox"/> New <input 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
Conductor	30"	20"		40'	Redi-mix	4 yds	
Surface	12-1/4"	8-5/8"	23#	1650'	Howco-Lite	550	w/2% CaCl2
					Tailed in w/Premium Plus	150	w/2% CaCl2

Production - See Attached **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
4	5527-5537'	CIBP set at 5517' w/1 sx cmt
2	5470-5480'	CIBP set at 5460' w/1sx cmt
2	5412-5440'	

TUBING RECORD Size 2-7/8" Set At 5351' Packer At 5351' Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 12-3-93 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours: Oil 9 Bbls. Gas 4,008 Mcf Water 0 Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

METHOD OF COMPLETION: 5412-5440'

Production Interval: 5412-5440'

DRILLERS LOG

CONFIDENTIAL

J.M HUBER CORPORATION
COCKREHAM #10-1
SECTION 10-T29S-R41W
STANTON COUNTY, KANSAS

ORIGINAL

RELEASED

COMMENCED: 09-30-93
COMPLETED: 10-10-93

JAN 14 1996

SURFACE CASING: 1657' OF 8 5/8"
CMTD W/550 SX PREM PLUS LITE, 2% C.C.,
1/4#/SX FLO-CELE; TAILED IN W/150 SX
PREM PLUS, 2% C.C., 1/4#/SX FLO-CELE

FROM CONFIDENTIAL

FORMATION	DEPTH
CONDUCTOR HOLE	0- 40
SURFACE HOLE	40-1653
SAND & SHALE	1653-2480
SHALE	2480-4058
SHALE & LIME	4058-4990
MORROW, SHALE & LIME	4990-5020
MORROW & SHALE	5020-5150
SHALE & LIME	5150-6020 RTD

KCC
JAN 13
CONFIDENTIAL

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

A.J. Jacques
RECEIVED
A.J. JACQUES CORPORATION COMMISSION
STATE OF KANSAS

JAN 18 1994

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 12TH DAY OF OCTOBER, 1993.

DAVIDSON DIVISION
Wichita, Kansas

BECKY J. WHETSTONE
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 4/29/95

Becky J. Whetstone
BECKY J. WHETSTONE, NOTARY PUBLIC

CONFIDENTIAL

Attachment - ACO-1
Cockreham 10-1

API# 15-187-20686

*Log

Name	Top	Datum
Chase	2225'	
Neva	2747'	
T. Penn	2910'	
Topeka	3214'	
B/Heebner		
Lansing	3750'	
Marmaton	4320'	
Cherokee	4512'	
Cherokee Marker	4656'	
Morrow	4995'	
Morrow C	5068'	
Morrow F	5317'	
Miss. St. Gen.	5538'	
St. Louis	5607'	

ORIGINAL

RELEASED

MAR 14 1996

FROM CONFIDENTIAL

**Production

5-1/2" 14# J-55 ST&C Cond A set at 5990'

Cmt 1st stage w/520 sx 50/50 Poz "H" w/2% gel, 10% salt, 10# Gilsonite,
& 0.3% CFR-3/sx.

Cmt 2nd stage w/400 sx 50/50 Poz "H" w/2% gel, 10% salt, 10# Gilsonite,
& 0.3% CFR-3/sx.

KCC

JAN 13

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RECEIVED
STATE CORPORATION COMMISSION

JAN 18 1994

CONSERVATION DIVISION
Wichita, Kansas

P. 10/17



CHARGE TO: **J. M. Huber Corp.**

ADDRESS:

CITY, STATE, ZIP CODE:

COPY

TICKET

549202 - 5

No. CONFIDENTIAL

PAGE 1 OF 2

FORM 1906 R-12

SERVICE LOCATIONS 1. 25540 2. 25535 3. 4.	WELL PROJECT NO. 10-1	LEASE Cockreham	COUNTY/PARISH Stanton	STATE KS	CITY/OFFSHORE LOCATION	DATE 10-10-93	OWNER SAME
	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR CHEYENNE	RIG NAME/NO. #5	SHIPPED VIA CT	DELIVERED TO wellsite	ORDER NO.
	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 035	WELL PERMIT NO.	WELL LOCATION SEA 10, Trup, 29s, Rng. 41w		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UNIT		
000-117						MILEAGE	EA	mi	2.75	137.50
007-013	001-016					Pump Chg.	6	hrs	5986	1850.00
007-161						Pump Chg. 2 nd stage	6	hrs	3393	1295.00
007-203						Additional hour	EA	hr	235	235.00
804.64031	804.64031					5 1/2" Fasgraps	3	EA	12	36.00
54	837.07100					Float Shoe SS-TL	1	EA		225.00
4A	836.07400					Float Collar SS-TL	"	"		253.00
71	813.80000					D.V. cementer	"	"		2450.00
320	806.70030					Cement Basket	2	EA	110	220.00
40	807.90220					Centralizer 5	12	EA	44	528.00
75	813.10010					Plug Set	1	EA		460.00
350	890.10802					Well-A	1	EA		1415.00

FROM CONFIDENTIAL TO PUBLIC RELEASED RECEIVED

ORIGINAL CONFIDENTIAL KCC JAN 15

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE
Don Cummings

DATE SIGNED: 10-10-93

TIME SIGNED: 0500

A.M.
 P.M.

do not require IFC (Submersible Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK: _____ DEPTH: _____

BEAN SIZE: _____ SPACERS: _____

TYPE OF EQUALIZING SUB: _____ CASING PRESSURE: _____

TUBING SIZE: _____ TUBING PRESSURE: _____ WELL DEPTH: _____

TREE CONNECTION: _____ TYPE VALVE: _____

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 7704.00

FROM CONTINUATION PAGE(S): 14458.11

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: 221153.71

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this invoice.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) Don Cummings	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>Don Cummings</i>	HALLIBURTON OPERATOR/ENGINEER <i>Tom Payer</i>	EMP # 48120	HALLIBURTON APPROVAL <i>26 389</i>
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NOV 17 '93 09:15AM HALLIBURTON LIBERAL



TICKET CONTINUATION

COPY

TICKET No. 549202

P. 11/17

FORM 1911 R-6

CUSTOMER J.M. Huber Corp.	WELL Cockreham 10-1	DATE 10-9-93	PAGE OF
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY.	UM		QTY.	UM
504-131						Premium, 50/50 Pozmix Cement	920	sk	6.92	6,366	40
504-043	516.00272					Premium Cement					
506-105	516.00286					Pozmix "A" (460)					
506-121	516.00259					Halliburton Gel 2%					
507-153	516.00161					CFR-3 B/ .3% W/ 920	232	lb	4.85	1,055	60
507-210	890.50071					Flocele B/ 1/4 W/ 920	230	lb	1.40	322	00
508-291	516.00337					Gilsonite B/ 10% @ Sack W/ 920	9,200	lb	.40	3,680	00
509-968	516.00315					Granulated Salt B/ 10% W/ 920	4,805	lb	.13	624	65

CONFIDENTIAL

FROM CONFIDENTIAL

MAR 14 1994 CONFIDENTIAL

RELEASED JAN 13

KCC

ORIGINAL

CONSERVATION DIVISION
MORNING, KINGSSEE

JAN 10 1994

RECEIVED
STATE COMPOSITION COMMISSION

SERVICE CHARGE

CUBIC FEET 1188

1.35 1,603.80

MILEAGE CHARGE

TOTAL WEIGHT 93,293#

LOADED MILES 18

TON MILES 839.637

.95 797.66

500-207

500-306

CONTINUATION TOTAL

14,950.11

NOV 17 '93 09:16AM HALLIBURTON LIBERAL

JOB SUMMARY

HALLIBURTON DIVISION Mid-Continent
HALLIBURTON LOCATION Liberal KS

BILLED ON TICKET NO. 549202

WELL DATA

FIELD _____ SEC. 10 TWP. 29s RNG. 41w COUNTY Stanton STATE KS

FORMATION NAME _____
FORMATION THICKNESS _____ FROM ORIGINAL TO _____
INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
COMPLETION DATE _____ MUD TYPE _____
PACKER TYPE _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	14	5 1/2	KB	5987	
LINER						
TUBING						
OPEN HOLE			7 7/8	8 3/4	6020	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-9-93</u>	DATE <u>10-10-93</u>	DATE <u>10-10-93</u>	DATE <u>10-10-93</u>
TIME <u>1200</u>	TIME <u>0700</u>	TIME <u>0955</u>	TIME _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. Poyer</u>	<u>40078</u>	<u>Liberal</u>
<u>L. Williams</u>	<u>8408</u>	<u>"</u>
<u>W. Marin</u>	<u>7550-4</u>	<u>"</u>
<u>M. Howe</u>	<u>75817</u>	<u>Hugotau</u>
<u>Don D.B. Tuttle</u>	<u>4515</u>	<u>"</u>
<u>T. Davis</u>	<u>5303</u>	<u>"</u>
	<u>75505</u>	<u>"</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>55-II 5 1/2</u>	<u>1</u>	<u>Howe</u>
FLOAT SHOE <u>55-II</u>	<u>1</u>	<u>"</u>
GUIDE SHOE		
CENTRALIZERS <u>5-4 5 1/2</u>	<u>12</u>	<u>"</u>
BOTTOM FLUG <u>Rasket</u>	<u>2</u>	<u>"</u>
TOP FLUG <u>Plug set 5 1/2</u>	<u>1</u>	<u>"</u>
HEAD <u>E.F. 5 1/2</u>		
PACKER <u>D.V. 5 1/2</u>		
OTHER <u>FASGAN</u>	<u>3</u>	<u>"</u>

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. _____ IN _____
PERFRAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

DEPARTMENT 5001 **KCC**
DESCRIPTION OF JOB Set 5 1/2 D.V.L.S.
JAN 13

JOB DONE THRU: TUBING CASING ANNULUS TBS/ANN.

CUSTOMER REPRESENTATIVE [Signature]
HALLIBURTON OPERATOR Tara Poyer COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./BK.	MIXED LBS./GAL.
<u>1st</u>	<u>520</u>	<u>59/50</u>	<u>PREP</u>	<u>B</u>	<u>10% Salt, 10% Silicate, 3% CER 3, 1/4%</u>	<u>1.50</u>	<u>13.5</u>
<u>2nd</u>	<u>400</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>

RECEIVED
STATE CORPORATION COMMISSION

PRESSURES IN PSI

SUMMARY

JAN 18 1996

CIRCULATING _____ DISPLACEMENT _____
BREAKDOWN _____ MAXIMUM _____
AVERAGE _____ FRACTURE GRADIENT _____
SHUT-IN INSTANT _____ B-MIN _____ 15-MIN. _____
HYDRAULIC HORSEPOWER _____
ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET 3078' REASON Shoe Joint

FRESHWATER _____ GAL. _____ TYPE _____
LOAD & SHOCK _____ GAL. _____
TREATMENT: _____ GAL. _____
CEMENT SLURRY _____ GAL. 138.9/106.8
TOTAL VOLUME _____ GAL. 475.8
DISPL. _____ GAL. 145.3/82.8
REMARKS
D.V. tool set @ 3393'

CUSTOMER: J.M. Huber
LEASE: Cokechero
WELL NO.: 10-10-93
JOB TYPE: 5 1/2 D.V.
DATE: 10-10-93

JOB LOG FORM 2013 R-4

DATE	PAGE NO.
10-10-93	
TICKET NO.	
549202	

CUSTOMER	WELL NO.	LEASE	JOB TYPE
J.M. Huber	10-1	Cockreham	5 1/2 D.V. L.S.

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2200							Called-out — Requested "0700"
	0200							On Loc. — L.I.D.P.
	0500							Run esp. — 0100-0715 hrs circ. @ 3400'
	0925							Hook-up to circ.
	0955							Hook-up to cont.
								CONFIDENTIAL
	1002	5-6	138.9		✓		48/250	Pump cont.
	1028		145.3					Pump Displ. Shut down — wash-up — drop plug
	1032	5-6	145.3		✓			✓ Pump Displ.
	1057	6-3			✓		125/150	Reduce RATE
	1100	3			✓			Lead Plug
	1102							1150 Differential press @ 500
								Release press — float held
	1105							Drop opening plug
	1116	3	1/2		✓			1400 Open tool
	1127							HK up to circ.
								JAN 13 — CONFIDENTIAL
	1513							Hook-up to cont 2 nd stage
	1516	5-6	101.8		✓			150 Pump cont
	1536							Shut down — wash-up — Drop plug
	1540	5-6	92.8		✓		59/1100	Pump Displ.
	1554	6-3			✓		1100/900	Reduce rate @ 72 BRls out
	1558	5			✓			1100 Plug landed
								1800 D.V. tool closed
								○ Release press. — tool held

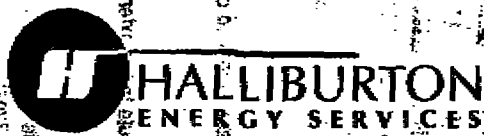
RELEASED

MAR 18 1996

FROM CONFIDENTIAL
Thanks
RECEIVED
 STATE CORPORATION COMMISSION ✓ CREW

JAN 18 1996

 CONSERVATION DIVISION
 William K. Garber



CHARGE TO: *JM Hesse*

ADDRESS:

CITY, STATE, ZIP CODE:

COPY

TICKET

No.

549034 - 2

FORM 1908 FI-12

PAGE 1 OF 1

1. SERVICE LOCATIONS <i>LIBERAL 25540</i>	WELL/PROJECT NO. <i>1#</i>	LEASE <i>Cockeoham</i>	COUNTY/PARISH <i>St. Joe</i>	STATE <i>K</i>	CITY/OFFSHORE LOCATION	DATE <i>10-1-93</i>	OWNER <i>JM Hesse</i>
2. <i>Hugo coal</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTORS	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO <i>Lee</i>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY <i>oil</i>	JOB PURPOSE <i>oil 8 1/2 source</i>	WELL PERMIT NO.	WELL LOCATION <i>SW of Johnson</i>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC ACCT DF	QTY.	UNIT	QTY.	UNIT	UNIT PRICE	AMOUNT
<i>000-117</i>	<i>RELEASED</i>	<i>1</i>	<i>36</i>	<i>miles</i>			<i>2.75</i>	<i>69.75</i>
<i>001-018</i>			<i>1657</i>	<i>1/PT</i>				<i>1220.00</i>
<i>030-018</i>			<i>1</i>	<i>FEET</i>			<i>130.00</i>	<i>130.00</i>
<i>16A</i>	<i>330-171</i>		<i>1</i>	<i>FEET</i>			<i>161.00</i>	<i>161.00</i>
<i>240A</i>	<i>315-19418</i>		<i>1</i>	<i>FEET</i>			<i>171.00</i>	<i>171.00</i>
<i>40</i>	<i>207-93099</i>		<i>4</i>	<i>FEET</i>			<i>55.00</i>	<i>220.00</i>
							<i>72.00</i>	<i>288.00</i>

CONFIDENTIAL

RECEIVED COMMISSIONER OF REVENUE, KANSAS

JAN 18 1994

KCC

JAN 15

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE
[Signature]

DATE SIGNED: *10/1/93*

TIME SIGNED: *1:00 PM*

A.M. P.M.

do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:

PULLED & RETURN PULLED RUN

TYPE LOCK: DEPTH

BEAN SIZE: SPACERS

TYPE OF EQUALIZING GUM: CASING PRESSURE

TUBING SIZE: TUBING PRESSURE WELL DEPTH

TREE CONNECTION: TYPE VALVE

SURVEY

AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

ORIGINAL

PAGE TOTAL: *8993.75*

FROM CONTINUATION PAGE(S): *8978.32*

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: *11,072.167*

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): *Alwart*

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: *[Signature]*

HALLIBURTON OPERATOR/ENGINEER: *DG Case*

EMP #: *5909*

HALLIBURTON APPROVAL: *740 37%*

NOV 17 '93 09:18AM HALLIBURTON LIBERAL P. 14/17



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Liberal Ks

BILLED ON TICKET NO. **549034**

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY Stanton STATE Ks

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____

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

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 _____

JOB DATA

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
	23	8 3/4	KB	1657	70

OPEN HOLE: 12 1/2 GL 1653 SHOTS/FT.

PERFORATIONS: _____

PERFORATIONS: _____

PERFORATIONS: _____

ORIGINAL

CONFIDENTIAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
SLIP PROCESSOR <i>8 3/4</i>		
SLIP SHOE <i>Insert Float</i>	1	<i>Hercos</i>
GUIDE SHOE <i>Ellyps</i>	1	
GUIDE SHOE <i>Tapat</i>	1	
CENTRALIZERS	4	
BOTTOM PLUG		
TOP PLUG	1	
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API

DISPL. FLUID _____ DENSITY _____ LB/GAL. °API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____

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 _____

RELEASED

MAR 14 1996

FROM CONFIDENTIAL

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>D. Wade</i>	<i>40275</i>	<i>Liberal Ks</i>
<i>D. Pence</i>	<i>59179</i>	<i>Liberal Ks</i>
<i>T. Davis</i>	<i>87106</i>	<i>Hogtown Ks</i>
	<i>52827</i>	<i>Hogtown Ks</i>
	<i>52920</i>	<i>Hogtown Ks</i>
	<i>75505</i>	<i>Hogtown Ks</i>
	<i>5303</i>	<i>"</i>
	<i>4449</i>	<i>"</i>
	<i>6610</i>	<i>"</i>

KCC

DEPARTMENT *Cement*

DESCRIPTION OF JOB *8 3/4 Surface*

JAN 13

CONFIDENTIAL

JOB DONE THRU: TUBING CASING ANNULUS TSG/ANN.

CUSTOMER REPRESENTATIVE *X* *COUGHER*

HALLIBURTON OPERATOR *D. Wade*

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	YIELD CU. FT./6K.	MIXED LBS./GAL.
	550	<i>Prem Plus</i>	<i>LTET</i>	<i>29 CC 1/4 # Flow</i>	<i>2.05</i>	<i>12.3</i>
	150	<i>Prem Plus</i>		<i>29 CC</i>	<i>1.32</i>	<i>14.8</i>
	25	<i>Prem Plus</i>			<i>1.3</i>	

RECEIVED

JAN 18 1994

CONSERVATION DIVISION
Wichita, Kansas

PRESSURES IN PSI

SUMMARY

VOLUMES

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 *42 17* REASON *See Log*

PRESLUSH: BBL. - GAL. _____ TYPE _____

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

TREATMENT: BBL. - GAL. _____ DISPL: BBL. - GAL. *103.*

CEMENT SLURRY: BBL. - GAL. *237.26* *6 BBL*

TOTAL VOLUME: BBL. - GAL. _____

RAMARKS

CUSTOMER: *JM Hesse*
 LEASE: *Co. Leasing*
 WELL NO.: *10-1 #*
 JOB TYPE: *8 3/4 Surface*
 DATE: *10-1-93*

HALLIBURTON ORIGINAL

JOB LOG FORM 2013 R-4

DATE **10-1-93** PAGE NO.
TICKET NO. **5490314**

CUSTOMER **JM Hume** WELL NO. **10-1** LEASE **Coc Keeham** JOB TYPE **8 3/4 SURFACE**

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS T C	PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					TUBING	AGING	
	1100						Time called
	now / 1200						Found 1 cba to the other
	1330						Time ready Time out Big PILL DP out of hole
	1440						Street Pump down CONFIDENTIAL
	1525						Casing in hole
	1526						Hook up to concrete casing
	1535						Concrete casing was pump
	1538						Concrete mix to ground level
	1600						Hook up to pump truck KCC
	1605	6				300	Start Mix Cement JAN 13
	1643	5	02			200	Start Tril Cement CONFIDENTIAL
	1648	5.2 RPM	35.25			250	Finish Mix Cement
	1649		237.25 total			200%	Slit Down Cap Plug
	1650					75	Start Displacement wood Pumps & lines
	1715		103			500/1000	Plug Down Float Held & Concrete Cement To the DT
	2015						Stand By Wait on Cement to Fall 35 ^{REL} 95 ^{SE}
	2130						Top off w Cement 16 ^{BSL} 25 ^{SK} Finish Job