

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

API NO. 15- 189-21610-~~0000~~ ORIGINAL
County Stevens
- NE - SW - SW Sec. 30 Twp. 32S Rge. 36W X W
^E

Operator: License # 5208

1250 FSL Feet from (S/N) (circle one) Line of Section
3964 FEL Feet from (E/W) (circle one) Line of Section

Name: Mobil Oil Corporation

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Address P.O. Box 2173

2319 North Kansas Avenue

Lease Name Taylor #1 Unit Well # 3

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 3096.01 KB 3107

Phone (316) 626-1142

Total Depth 2920 PBSD 2865

Contractor: Name: Cheyenne Drilling

Amount of Surface Pipe Set and Cemented at 598 ~~600~~ Feet

License: 5382

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: W. H. Jamieson

If yes, show depth set NA Feet

Designate Type of Completion

If Alternate II completion, cement circulated from NA

X New Well Re-Entry Workover

feet depth to NA w/ NA sx cmt.

 Oil SWD SLOW Temp. Abd.

X Gas ENHR SIGW

 Dry Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan ALT 1 27 11-2-94
(Data must be collected from the Reserve Pit)

If Workover:

Chloride content 6,400 ppm Fluid volume 1,500 bbls

Operator:

Dewatering method used Evaporation

Well Name:

Location of fluid disposal if hauled offsite:

Comp. Date Old Total Depth

 Deepening Re-perf. Conv. to Inj/SWD

 Plug Back PBSD

 Commingled Docket No.

 Dual Completion Docket No.

 Other (SWD or Inj?) Docket No.

Operator Name NA

Lease Name NA License No. NA

Quarter NA Sec. NA Twp. NA S Rng. NA E/W

County Stevens Docket No. NA

4-4-94 4-6-94 5-2-94

Spud Date Date Reached TD Completion Date

Wichita, Kansas

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 Sharon A. Cook Sharon A. Cook
Title Regulatory Assistant Date 6-29-94

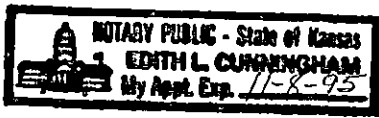
Subscribed and sworn to before me this 29 day of June,
19 94.

Notary Public Edith L. Cunningham

Date Commission Expires November 8, 1995

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

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



81

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Taylor #1 Unit Well # 3
 Sec. 30 Twp. 32S Rge. 36W East West
 County Stevens

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) List All E.Logs Run: Dual Induction Focused Log - Gamma Ray Compensated Dual Neutron Spectralog	<table border="1" style="width:100%"> <tr> <th style="width:15%"><input checked="" type="checkbox"/> Log</th> <th style="width:55%">Formation (Top), Depth and Datums</th> <th style="width:30%"><input type="checkbox"/> Sample</th> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Glorietta</td> <td>1240</td> <td>1410</td> </tr> <tr> <td>Stone Corral</td> <td>1700</td> <td>1760</td> </tr> <tr> <td>Chase</td> <td>2580</td> <td>--</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample	Name	Top	Datum	Glorietta	1240	1410	Stone Corral	1700	1760	Chase	2580	--
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample														
Name	Top	Datum														
Glorietta	1240	1410														
Stone Corral	1700	1760														
Chase	2580	--														

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
Surface Casing	12.250	8.625	24#	598 600	Howco Lite Prem. Plus	200 sxs 175 sxs	3% CACL2 3% CACL2
Production Casing	7.785	5.500	14#	2920	Prem. Plus Prem. Plus	325 sxs 150 sxs	3% Econolite 2% CACL2

*9% Halad
Microbeads
10 sxs*

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
1 SPF	2740-2755 2580-2588	Acid: 1,500 gals 7.5% HCL	
	2694-2718	Frac'd: 21,500 gals Crosslink gel 63,000 lbs 12/20 Brady Sand	
	2640-2670		
	2604-2635		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 5-4-94		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
		262				

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled 2580

Production Interval: Other (Specify) 2755

WELL DATA

FIELD ORIGINAL SEC. 30 TWP. 32 S RNG. 36 W COUNTY STEELE'S 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 616

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>24</u>	<u>8 5/8</u>	<u>K 8</u>	<u>606</u>	
LINER						
TUBING						
OPEN HOLE			<u>12 1/4 G 4</u>		<u>606</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	<u>5-WIPER</u>	<u>HOWCO</u>
HEAD	<u>Q.C.P.S.</u>	<u>"</u>
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-4-94</u>	DATE <u>4-4-94</u>	DATE <u>4-4-94</u>	DATE <u>4-4-94</u>
TIME <u>1400</u>	TIME <u>15 45</u>	TIME <u>17145</u>	TIME <u>18 27</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. ELWOOD</u>	<u>40048</u>	
	<u>D 4360</u>	<u>Ligeral KS</u>
<u>R. CRIST</u>	<u>52276</u>	
	<u>D 7653</u>	<u>"</u>
<u>R. GARRISON</u>	<u>50866</u>	
	<u>G 2729</u>	<u>Higdon KS</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. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT CMT

DESCRIPTION OF JOB 8 5/8 SURFACE

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Mike Mann

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>300</u>	<u>Palm + LC</u>	<u>C</u>	<u>B</u>	<u>3% C.C.</u>	<u>1.97</u>	<u>12.4</u>
	<u>175</u>	<u>Palm +</u>	<u>C</u>	<u>B</u>	<u>3% C.C.</u>	<u>1.32</u>	<u>14.8</u>

STATE RECEIVED
JUL 05 1994
CONSERVATION DIVISION
Wichita, Kansas

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. 20 TYPE FRESH H₂O

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

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 35.22

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 70.17 + 41.14

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 1177 REASON to 217

CUSTOMER: Mike Mann
LEASE: 10/20/93
WELL NO.: 1-3
JOB TYPE: 2 7/8 Surface

JOB LOG FORM 2013 R-4

 DATE: 4-4-94
 PAGE NO: 1

 CUSTOMER: Mobil Oil
 WELL NO.: 1-3
 LEASE: TAYLOR
 JOB TYPE: 8 3/8 SURFACE
 TICKET NO.: 677083

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	14:00							Called out ready now.
	15:45							on log Rig T.O.O.H.
	17:20							Casing on bottom
	17:36							Safety Meeting
	17:27							Circ. w/Rig
	17:45							Hook to Halliburton
	17:48	2.8	20				50	START PREFLUSH
	17:55	6.3	70.17				125	START LENO CMT
	18:06	4.1	41.14				250	START TAIL CMT
	18:16						50	Drop Plug
	18:17	3.5	35.88				50	START Displacement/WASH P/L.
	18:27						200 700	Plug Down / Holding
								Circulated to P/L
								35.8 BBL'S
								102 SKS
								Thank you for calling
								HALLIBURTON
								ROBERT & CREW



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO: MARSH OIL
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

COPY

TICKET

No.

677083 - 0

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
1. <u>025390 L20001</u>	<u>1-3</u>	<u>TAYLOR</u>	<u>STEWENS</u>	<u>166</u>		<u>4-4-94</u>	<u>SOME</u>
2. <u>025335 HUGALON</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>CLAYSON</u>	RIG NAME/NO. <u>4</u>	SHIPPED VIA <u>1163</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>01</u> <u>010</u>					

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>000-117</u>					MILEAGE	<u>1</u>	<u>10</u>	<u>66</u>	<u>MT</u>	<u>2.75</u>	<u>181.50</u>
					<u>Pump Charge</u>	<u>8</u>	<u>H</u>	<u>606</u>	<u>FT</u>		<u>735.00</u>
<u>030-018</u>					<u>5-WIPER Plug</u>	<u>2 3/4</u>	<u>IN</u>	<u>1</u>	<u>EA</u>		<u>130.00</u>

ORIGINAL

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: X Mark Morris

DATE SIGNED: _____ TIME SIGNED: _____ A.M. P.M.

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <u>1,046.50</u>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input checked="" type="checkbox"/>		
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	<input checked="" type="checkbox"/>		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>5,156.23</u>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input checked="" type="checkbox"/>		
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input checked="" type="checkbox"/>		
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO			
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>Mark Morris</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X</u> <u>Mark Morris</u>	HALLIBURTON OPERATOR/ENGINEER <u>ROBERT ELWOOD</u>	EMP # <u>04360</u>	HALLIBURTON APPROVAL
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TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. RELEASE AND INDEMNITY - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

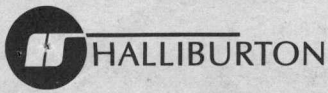
D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole 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, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. 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 EQUIPMENT, MATERIALS, 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 GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. WAIVER - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Mid. Cont.
Liberal KS

BILLED ON TICKET NO. 575213

ORIGINAL

WELL DATA

FIELD _____ SEC. 30 TWP. 32 RNG. 36W COUNTY STEPHENS 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 CLM MUD WT. 8.9

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 2920

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	14	5 1/2	KB	2917	1500
LINER						
TUBING						
OPEN HOLE			7 3/8	S.P.	2900	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-7-94</u>	DATE <u>4-7-94</u>	DATE <u>4-7-94</u>	DATE <u>4-7-94</u>
TIME <u>12:00</u>	TIME <u>16:00</u>	TIME	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T Bohannon</u>	<u>4006 P.U.</u>	<u>Liberal KS</u>
<u>S. Tate</u>	<u>52823 P.</u>	<u>" "</u>
<u>ME</u>	<u>75374 P.</u>	<u>" "</u>
<u>ME</u>	<u>4461</u>	<u>Hugoton KS</u>
<u>ME</u>	<u>4612</u>	<u>" "</u>
<u>ME</u>	<u>52930</u>	<u>" "</u>
<u>ME</u>	<u>5703</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. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT 5001 COM

DESCRIPTION OF JOB 035 5 1/2

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Mike Mans

HALLIBURTON OPERATOR Tim Bohannon COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>325</u>	<u>Port+</u>		<u>B</u>	<u>3% Ceconite, 2% D.A.-1, 1/4% 9-16</u>	<u>277</u>	<u>14.5</u>
<u>2</u>	<u>150</u>	<u>Port+</u>		<u>B</u>	<u>10% Microband, 9% H-1, 3% CFR-2, 2% ac</u>	<u>147</u>	<u>14.8</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. 20 TYPE 4 1/2

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

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 75.1

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 160.3 + 37.2

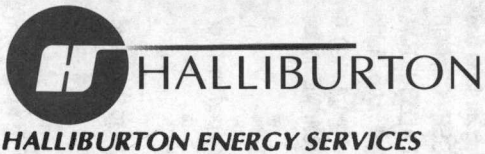
TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS 500 gal MSA w/ 2% A.A. 49.4

TREATING _____ DISPL. _____ OVERALL _____ Displ

FEET 43 REASON Stop

CUSTOMER
LEASE
WELL NO.
JOB TYPE
DATE



CHARGE TO: Mobil Oil
 ADDRESS:
 CITY, STATE, ZIP CODE:

COPY

TICKET

No. **575213 - 1**

PAGE 1 OF 1

FORM 1906 R-13

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
1. <u>Liberal 025540</u>	<u>1-3</u>	<u>Taylor</u>	<u>Stavang</u>	<u>15</u>		<u>4-7-94</u>	<u>Same</u>
2. <u>Hugoton 025535</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Chryenne</u>	RIG NAME/NO. <u>Chryenne 41</u>	SHIPPED VIA <u>Loc</u>	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <u>035</u>	WELL PERMIT NO.	WELL LOCATION <u>30-32-36 W</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>200-117</u>		<u>1</u>			<u>MILEAGE</u>	<u>8</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2.75</u>	<u>22.00</u>
<u>209-019</u>		<u>1</u>			<u>Pump Charge</u>	<u>2920</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>1215.00</u>
<u>30-018</u>		<u>1</u>			<u>50W Plug</u>	<u>5</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>65.00</u>
<u>108-108</u>		<u>1</u>			<u>M5A Acid 10%</u>	<u>50</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>.82</u>	<u>425.00</u>
<u>10-016</u>		<u>1</u>			<u>M5A II Inhibitor</u>	<u>50</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>37.50</u>

ORIGINAL

RECEIVED
 STATE CORP. TR. & GEN. DIVISION
 JUN 05 1994
 CONSERVATION DIVISION
 Wichita, Kansas

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
X Mike Marrs

DATE SIGNED 4-7-94 TIME SIGNED 16:30 A.M. P.M.

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <u>1,764.50</u>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input checked="" type="checkbox"/>		
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	<input checked="" type="checkbox"/>		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>10,585.93</u>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input checked="" type="checkbox"/>		
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input checked="" type="checkbox"/>	
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	CUSTOMER DID NOT WISH TO RESPOND		

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>Mike Marrs</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <u>Mike Marrs</u>	HALLIBURTON OPERATOR/ENGINEER <u>Tim Bohannon 87748</u>	EMP #	HALLIBURTON APPROVAL
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TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. RELEASE AND INDEMNITY - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole 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, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. 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 EQUIPMENT, MATERIALS, 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 GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. WAIVER - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

COPY

56

TICKET No. 575213

FORM 1911 R-9

CUSTOMER Mobil Oil	WELL 2a-7194	DATE 4-7-94	PAGE 1	OF 1
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PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-050	516.00265				PremiumPlus Cement	475		sk		8 95	4251 25
507-153	516.00161				CFR-3 .3%/150SK	42		LB		4 35	182 70
507-210	890.50071				FLOCELE 1/2#325SK	81		LB		1 35	109 35
5070285	70.15250				ECONOLITE 3%/325SK	916		LB		1 00	916 00
507-665	70.15556				HALAD-9 .4%/150SK	127		LB		8 05	1022 35
507-970	70.15754				D-AIR #1 .2#/325SK	65		LB		3 10	201 50
508-112	516.00226				MICROBOND 10#/150SK	1500		LB		90	1350 00
509-406	890.50812				CALCIUM CHLOREIDE 2%/150-SK	3		SK		28 25	84 75
SERVICE CHARGE								CUBIC FEET			
500-207								498		1 25	622 50
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		1 85	80 93
					47.607		4	95.21			

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RECEIVED
 STATE COMMISSION
 JUL 05 1994
 CONSERVATION DIVISION
 Wichita, Kansas

CONTINUATION TOTAL 8,821.43