

ORIGINAL

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

API NO. 15- 189-21611-0000

County Stevens
SE - NW - NW Sec. 9 Twp. 32S Rge. 37W X W E

Operator: License # 5208

4030 FSL Feet from S/N (circle one) Line of Section

Name: Mobil Oil Corporation

4022 FEL Feet from E/W (circle one) Line of Section

Address P.O. Box 2173

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

2319 North Kansas Avenue

Lease Name Moorhead #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 3146.53 KB 3158

Phone (316) 626-1142

Total Depth 3300 PBDT 2995

Contractor: Name: Cheyenne Drilling

Amount of Surface Pipe Set and Cemented at 1110 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 OK 11-8-94
(Data must be collected from the Reserve Pit)

If Workover:

Chloride content 6,700 ppm Fluid volume 1500 bbls

Operator:

Dewatering method used Evaporation

Well Name:

Location of fluid disposal if hauled offsite:

Comp. Date Old Total Depth

Operator Name NA

 Deepening Re-perf. Conv. to Inj/SWD

 Plug Back PBDT

 Commingled Docket No.

 Dual Completion Docket No.

 Other (SWD or Inj?) Docket No.

Lease Name NA License No. NA

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

3-29-94 4-2-94 4-21-94

County NA Docket No. NA

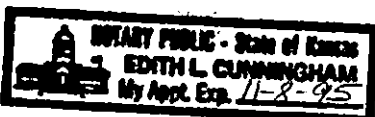
Spud Date Date Reached TD Completion Date

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 and submit CP-11 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated by 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, 1994.
Notary Public Edith L. Cunningham
Date Commission Expires November 8, 1995

K.C.C. OFFICE USE ONLY
Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)



91

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Moorhead #1 Unit Well # 3

Sec. 9 Twp. 32S Rge. 37W 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 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:
 Dual Induction Focused Log - Gamma Ray
 Compensated Dual Neutron Spectralog
 BHC Acoustilog - Gamma Ray Caliper

Log Sample

Formation (Top), Depth and Datums	Top	Datum
Glorietta	1290	1455
Stone Corral	1740	1810
Chase	2570	2910
Council Grove	2910	-

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 Casing	12.250	8.625	24#	1110	Howco Lite Howco	350 sxs 275 sxs	3% CACL2 3% CACL2
Production Casing	7.875	5.500	14#	3300	Prem. Plus Prem. Plus	250 sxs 200 sxs	3% Econolite 2% CACL2

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	2736-2770	Acid: 2,000 gal 7.5% HCL	
	2686-2716	Frac'd: 41,000 gals Crosslink gel 55,000 lbs 12/20 Brady Sand	
	2626-2663		
	2596-2623		

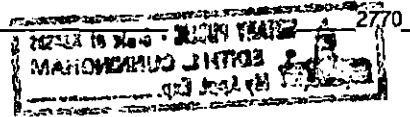
TUBING RECORD

Size	Set At	Packer At	Liner Run
None			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 4-25-94 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		487			

Disposition of Gas: **METHOD OF COMPLETION** Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____
 (If vented, submit ACO-18.) Production Interval 2596



WELL DATA

FIELD *Hugotone* SEC. *9* TWP. *25* RNG. *17W* COUNTY *Harold* STATE *KS*

FORMATION NAME *Ca...* 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 *3220'*

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<i>N</i>	<i>14</i>	<i>5 1/2</i>	<i>K13</i>	<i>3200</i>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <i>COMP</i>		
BOTTOM PLUG	<i>1</i>	<i>SW</i>
TOP PLUG		
HEAD	<i>1</i>	<i>PC</i>
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>4-1-94</i>	DATE <i>4-2-94</i>	DATE <i>4 2 11</i>	DATE <i>4 3 71</i>
TIME <i>2330</i>	TIME <i>0230</i>	TIME <i>0512</i>	TIME <i>0700</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>J. Woodrow</i>	<i>40048</i>	<i>Liberal</i>
<i>62573</i>	<i>PIU</i>	
<i>R. Crust</i>	<i>52276</i>	<i>"</i>
<i>07453</i>	<i>75200</i>	
<i>M. Howard</i>	<i>52827</i>	<i>Hugotone</i>
<i>E 7343</i>	<i>75817</i>	
<i>A. Clark</i>	<i>84116</i>	<i>"</i>
<i>G 2721</i>	<i>30116</i>	

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 5 1/2" Portland Casing*

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE *X [Signature]*

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<i>1</i>	<i>250</i>	<i>Pocum +</i>	<i>Hick</i>	<i>B</i>	<i>3% Ec...</i>	<i>2.77</i>	<i>11.5</i>
<i>2</i>	<i>200</i>	<i>Pocum +</i>	<i>Hick</i>	<i>B</i>	<i>10% ...</i>	<i>1.47</i>	<i>14.8</i>

RECEIVED
 STATE OF KANSAS
 JUN 30 1994

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT *1*
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING *6 mpa* DISPL. *1* OVERALL *6*
 CEMENT LEFT IN PIPE _____
 FEET *44* REASON *Shoe Joint*

CONCRETE DIVISION
 LOAD & ...
 TREATMENT: BBL-GAL. _____
 CEMENT SLURRY: BBL-GAL. *66 123*
 TOTAL VOLUME: BBL-GAL. _____

REMARKS

CUSTOMER *Mobil*
 LEASE *Mobile Head*
 WELL NO. *1-2*
 JOB TYPE *Leads*
 DATE *4-2-94*

JOB LOG FORM 2013 R-4

DATE: 4-1-94 PAGE NO: 1

CUSTOMER: MOBIL OIL CORP WELL NO: 1-3 LEASE: MOORHEAD JOB TYPE: 5' LAM STAINC TICKET NO: 677012

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							TO BE READY
	0300							CALLED OUT FOR JOB
	0230	2.74						DUMP TRUCK ON LOCATION
								RIG LAID DOWN DRILL PIPE
								SET UP PUMP TRUCK
	0400							D.P. LAYED DOWN
	0415							START RUNNING 5 1/2 CSG + FLOAT EQUIP.
	0530							CASING ON BOTTOM
								HOOK UP TO CIRCULATING IRON
	0540							START CIRCULATING WITH RIG PUMP
								THROUGH CIRCULATING
								HOOK UP TO DUMP TRUCK
	0612	6.0	20.6			250		PUMP 20 GALS FRESH WATER AHEAD
		6.0	122.0			250		START MIXING LEAD CEMENT
		6.0	32.0			250		START MIXING TAIL CEMENT
			174.0					THROUGH MIXING
								SLOW DOWN
	0647							WASH UP TRUCK
								RELEASE PLUG
	0650	6.0				250		START DISPLACING
								HAVE 75 BBL. DISPLACED CEMENT
								CEMENT RETURNS
	0700		79.0			1500		PLUG DOWN
								REMOVE PLUG
								FLOOR HEAD
								CIRCULATED 9 BBL (18 SKS CMT)
								THANK YOU!
								WOODY'S RAIL (1 CMT)



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

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

COPY

TICKET

No.

677012 - 6

PAGE 1 OF 2

SERVICE LOCATIONS 1025540 LISBON	WELL/PROJECT NO. 1-3	LEASE MOGONHEAD	COUNTY/PARISH STEVENSON	STATE KS	CITY/OFFSHORE LOCATION HUGOTON	DATE 4/2/94	OWNER S.A.M.E.
2025535 HUGOTON	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR SHEPPARD DRUG	RIG NAME/NO.	SHIPPED VIA T	DELIVERED TO WELL SITE	ORDER NO.
3.	WELL TYPE O2 GAS	WELL CATEGORY OIL DEVELOPMENT	JOB PURPOSE O35 5/8 LONG SPRING	WELL PERMIT NO. AP1 187 21611	WELL LOCATION LAND		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-111		1			MILEAGE	7	mi	2	W	2.75	19.25
101-016		1			DUMP CHARGE	3300	FT			12.85	42502.50
200-016		1			5 WIDER TOP PLUG	1	EA	5 1/2	IN	60.00	60.00
249-052		1			CONDUIT	1	EA	1	EA	500.00	500.00
CONSERVATION DIVISION Wichita, Kansas JUN 3 0 1994 RECEIVED STATE CORPORATION COMMISSION											

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 M. M. M.

DATE SIGNED: 4/2/94 TIME SIGNED: 5:00 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 1883 150
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					FROM CONTINUATION PAGE(S) 7060 193
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					10,794 43
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
WELL DEPTH		ARE YOU SATISFIED WITH OUR SERVICE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
TREE CONNECTION	TYPE VALVE	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

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) M. M. M.	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X M. M. M.	HALLIBURTON OPERATOR/ENGINEER John Woodson	EMP # 52573	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.



TICKET CONTINUATION

COPY

TICKET No. 171212

HALLIBURTON ENERGY SERVICES

CUSTOMER **Mobil Oil**

WELL **25 Mbothead**

DATE **4-2-94**

PAGE OF

FORM 1911 R-9

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
504-660	516.00265				Premium Plus Cement	450		sk		8 95	4027 50	
507-153	516.00161				CFR-3 3#/200sk	56		lb		4 35	243 60	
507-210	890.50071				Flocele 1/4"/250lb	63		lb		1 35	85 05	
507-285	70.15250				Ecolite 3#/250sk	705		lb		1 00	705 00	
507-665	70.15556				Halad-9 8/10#/200sk	150		lb		8 05	1207 50	
507-970	70.15764				Mibir #1 2/10#250sk	47		lb		3 10	145 70	
508-112	516.00226				Microbond 10#/200sk	2000		lb		90	1800 00	
509-406	890.50812				Calcium Chloride 2#/200sk	4		sk		28 25	113 00	
019-980					Cement Container Bucket	1				10 00	10 00	
RECEIVED STATE CORPORATION COMMISSION JUN 30 1994 CONSERVATION DIVISION Wichita, Kansas												
					SERVICE CHARGE			CUBIC FEET				
500-207								471				
500-305					MILEAGE CHARGE		TOTAL WEIGHT		LOADED MILES		TON MILES	
					45,622		7		158.63			

ORIGINAL

CONTINUATION TOTAL 40 73

CUSTOMER Mobil Oil WELL NO. 1-3 LEASE 11/2222 head JOB TYPE 8 1/2 SURFACE TICKET NO. 575393

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2010							Time ahead
	1000							Time back
	2230							Time out. Plug Down, SURFACE Hole
	05:30							Start Pump casing
	06:10							Casing in Hole
	07:05							Hook up to Pump Truck
	07:06					200		Start Water Ahead
	07:10	5	20			250		Start Mixing Cement
	07:25	7	27.78			250		Start Top Cement
	07:31	71	64.65					Finish Mixing Cement
	07:31		192.1					SLUT DOWN Plug Plug
	07:34	5.15	67.89			100		Start Displacement
	07:47					100		Plug Down / Holding
						1500		
								Circ to Pit
								45 BBLS
								125 SKS
								RECEIVED
								STATE CORPORATION COMMISSION
								JUN 30 1994
								CONSERVATION DIVISION For Calling
								Wichita, Kansas
								HALLIBURTON ENERGY SERVICES
								Robert E. Crew

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY **Stevens** 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 **1110.72**

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		24	8 1/2	K13	1110.72	
LINER						
TUBING						
OPEN HOLE			12 1/4	GL	1110	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
TYPE AND SIZE 8 7/8		
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS	4	Henco
BOTTOM PLUG		
TOP PLUG	1	"
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 3-29	DATE 3-29	DATE 3-30-94	DATE 3-30-94
TIME 7:10	TIME 22:30	TIME 07:05	TIME 07:47

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Oliver	59179	Livak Ks
DN UNIT	4903	"
D. Van	E1591	"
J. Agard	F4549	Hagler Ks
R. Stover	6 3813	"
	04360	40075 Livak Ks

MATERIALS

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

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

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN. _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN. _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN. _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN. _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

DEPARTMENT **Cement**

DESCRIPTION OF JOB **8 1/8 SURFACE**

JOB DONE THRU TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE **X J. L. Mann**

HALLIBURTON OPERATOR **Oliver** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	YIELD CU.FT./SK.	MIXED LBS./GAL.
	350	Bent 1203	ITWT	3966	1.32	12.3
	275	Bent 1203		3366		14.2

RECEIVED
STATE CORPORATION COMMISSION
JUN 30 1994

CONSERVATION DIVISION
Wichita, Kansas

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. **6795**

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. **192.43**

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

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET **43.14** REASON **Shoe don't**

CUSTOMER: **Moss 101**
LEASE: **Please head**
WELL NO.: **1-3**
JOB TYPE: **8 1/8 SURFACE**
DATE: **3-29-94**



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

COPY
 No. **575393 - 5**
 PAGE 1 OF 1

FORM 1906 R-13

ORIGINAL

SERVICE LOCATIONS 1. <u>25410 Lumbert</u> 2. <u>25335 Houghton</u>		WELL/PROJECT NO. <u>1-3</u>	LEASE <u>Morris Head</u>	COUNTY/PARISH <u>Stevens</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>3-29-98</u>	OWNER <u>Mobil Oil</u>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES		NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO. <u>Aspen Ridge 41</u>	SHIPPED VIA	DELIVERED TO <u>loc</u>	ORDER NO.	
WELL TYPE		WELL CATEGORY <u>02 03</u>	JOB PURPOSE <u>010 8 1/2 Surface</u>	WELL PERMIT NO.	WELL LOCATION			
REFERRAL LOCATION		INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>001-117</u>					MILEAGE	<u>7</u>		<u>Miles</u>		<u>2.75</u>	<u>19.25</u>
<u>001-016</u>					Pump charge	<u>1110</u>		<u>FT</u>			<u>945.00</u>
<u>030-018</u>					Swl Top Pt	<u>1</u>		<u>FT</u>		<u>130.00</u>	<u>130.00</u>
<u>001-018</u>					Additional Hour						<u>235.00</u>
<u>40</u>	<u>8016-60059</u>				Centralizer's	<u>4</u>		<u>EA</u>		<u>72.00</u>	<u>288.00</u>

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 Marco

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>1617 25</u> FROM CONTINUATION PAGE(S) <u>6993 26</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"/>				
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					SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>8610 51</u>
		<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>Mike Marco</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X Mike Marco</u>	HALLIBURTON OPERATOR/ENGINEER <u>[Signature]</u>	EMP # <u>59179</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.



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

COPY

TICKET No. 575393

FORM 1911 R-9

CUSTOMER Mobil Oil	WELL Moorehead	DATE 3-29-94	PAGE 3	OF
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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				Premium Plus Cement	275	sk			8.95	2461.25
503-120					Halliburton Light Cement	350	sk			8.05	2817.50
504-050	516.00265										
506-105	516.00286										
506-121	516.00259										
507-210	890.50071				Flocele 1/2"/625sk					1.35	210.60
509-406	890.50812				Calcium Chloride 3%/625sk					28.25	480.25
019-980					Sample Container						10.00
RECEIVED STATE CORPORATION COMMISSION JUN 30 1994 CONSERVATION DIVISION Wichita, Kansas											
500-207					SERVICE CHARGE	CUBIC FEET				1.25	836.25
500-306					MILEAGE CHARGE	TOTAL WEIGHT	59,634	LOADED MILES	7	TON MILES	208.72
										85	177.41

CONTINUATION TOTAL 6993.26