

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- 189-21561 -06 -00

Operator: License # 5208

County Stevens

Name: Mobil Oil Corporation

- SW - SW - SE Sec. 35 Twp. 33S Rge. 36W X W

Address P.O. Box 2173

500FSL Feet from (S)N (circle one) Line of Section

2319 North Kansas Avenue

2490FEL Feet from (E)W (circle one) Line of Section

City/State/Zip Liberal, KS 67905-2173

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

Purchaser: Spot Market

Lease Name Heger #1 Unit Well # 3

Operator Contact Person: Rae Kelly

Field Name Hugoton

Phone (316) 626-1160

Producing Formation Chase

Contractor: Name: Cheyenne Drilling

Elevation: Ground 3034 KB 3045

License: 5382

Total Depth 2920 PBDT 2901

Wellsite Geologist: W. H. Jamieson

Amount of Surface Pipe Set and Cemented at 807 Feet

Designate Type of Completion  
 New Well  Re-Entry  Workover

Multiple Stage Cementing Collar Used? Yes  No

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If yes, show depth set Feet

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan ALT 1 27 7-28-94  
(Data must be collected from the Reserve Pit)

Operator:

Chloride content 5900 ppm Fluid volume 4500 bbls

Well Name:

Dewatering method used Evaporation

Comp. Date Old Total Depth

Location of fluid disposal if hauled offsite:  
260 bbl mud to Pride #1-3 to use for drilling fluid.

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back PBDT  
 Commingled Docket No.  
 Dual Completion Docket No.  
 Other (SWD or Inj?) Docket No.

Operator Name Mobil Oil Corporation

Lease Name Pride Unit #1 Well #3 License No. 5208

10-21-93 10-24-93 11-9-93  
Spud Date Date Reached TD Completion Date

SW Quarter Sec. 25 Twp. 33 S Rng. 37W E/W

County Stevens 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 R. Kelly R. Kelly

Title ER Technician Date 2-25-94

Subscribed and sworn to before me this 27th day of July 19 94.

Notary Public Sharon A. Cook Sharon A. Cook

Date Commission Expires October 1, 1994

BEW94092.RK

SHARON A. COOK  
NOTARY PUBLIC  
STATE OF KANSAS  
My Comm. Exp. 10-1-94

K.C.C. OFFICE USE ONLY  
F letter of confidentiality Attached  
C  Wireline Logs Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

MAR 01 1994

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STATE CORPORATION COMMISSION  
Form ACO-1 (7-91)

JUL 28 1994

CONSERVATION DIVISION  
Wichita, Kansas

**SIDE TWO**

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

Sec. 35 Twp. 33S 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  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:

Electric Log  
 Compensated Neutron

Log  Sample

Formation (Top), Depth and Datums	Top	BOTTOM
Name		
Glorietta	1211	1410
Stone Corral	1693	1761
Sumner	2273	2655
Chase	2655	--

**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#	807	Class C Lite Class C	250sx 200sx	3% CA CL2 3% CA CL2
Production Casing	7.875	5.500	14#	2920	Class C Class C	350sx 175sx	3% Econolite 2% CA CL2

**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 JSPF	2795-2780 2740-2760 2723-2730 2694-2702 2656-2664	Acidized: 1500 gals 7.5% HCL Frac'd: 34,000 gal 20# Crosslink Gel 77,000 lbs sand 12/20	

**TUBING RECORD**

Size None Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 11-22-93 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		251			

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

**METHOD OF COMPLETION**

Open Hole  Perf.  Dually Comp.  Commingled 2656-2795

Other (Specify) 2656-2795

CUSTOMER <i>Mob. 1 O. 1</i>	WELL NO. <i>1-3</i>	LEASE <i>Heger</i>	JOB TYPE <i>5 1/2 Prod</i>	TICKET NO. <i>549210</i>
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	09:30							Called Out
	10:30							ON location, rig I.D.D.P.
	10:45							Safety Meeting, Setup CO. Tnk.
	11:00							Start casing
	13:00							Casing on bottom
	13:15							hook up iron, rig circulating
	13:45							hook up iron, Co. Tnk
	13:48	5.5	20				150	Start water spacer
	13:52	5.5	16.8				100	Start lead Cement
	14:25	5	46				100	Start Tail Cement
	14:36							Shut down, wash pumps & lines
	14:40							Drop SW Top Plug
	14:42	6	60				150	Start water displacement
	14:42							Cement Circulated to surface
	14:53	3	8				050	Slowed rate
	14:54	1.5	2				200	Slowed rate
	14:57						200	plug landed
	14:59						1200	pressured up
	14:58							released pressure, float held
	15:00							Job Complete
								Thanks for Calling Halliburton
								Richard a Crow

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MAR 01 1994

CONSERVATION DIVISION  
Wichita, Kansas



CHARGE TO: Mid 1 Oil Corp  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

COPY

TICKET

No.

549210-2

PAGE 1 OF 2

FORM 1906 R-12

SERVICE LOCATIONS 1. <u>025540</u>	WELL/PROJECT NO. <u>1-3</u>	LEASE <u>Hager</u>	COUNTY/PARISH <u>Stevens</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>10-24-93</u>	OWNER <u>Same</u>
2. <u>025575</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>Cherokee Oil</u>	RIG NAME/NO. <u>4</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>055</u>	WELL PERMIT NO.	WELL LOCATION <u>L. Hager</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF									
<u>006-117</u>		<u>1</u>				<u>MILEAGE</u>	<u>8108</u>	<u>(RT)</u>	<u>1</u>	<u>ea</u>	<u>22</u>	<u>60</u>	<u>50</u>
<u>001-016</u>		<u>1</u>				<u>Pump Charge</u>	<u>2922</u>	<u>11</u>	<u>29</u>	<u>11</u>	<u>29</u>	<u>1225</u>	<u>00</u>
<u>030-016</u>		<u>1</u>				<u>Sw Tap Pk</u>	<u>1</u>	<u>ea</u>	<u>5 1/2</u>	<u>10</u>		<u>60</u>	<u>00</u>
<u>045-050</u>		<u>1</u>				<u>Compuce</u>	<u>1</u>	<u>ea</u>	<u>24</u>	<u>60</u>		<u>500</u>	<u>00</u>

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 STATE CORPORATION COMMISSION  
 MAR 01 1994  
 CONSERVATION DIVISION  
 Wichita, Kansas

ORIGINAL

<b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY</b> provisions.				SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN				<b>SURVEY</b>			AGREE	UN-DECIDED	DIS-AGREE	<b>PAGE TOTAL</b> <u>1245</u>	
CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <input checked="" type="checkbox"/> <u>Mark Elie</u>				TYPE LOCK		DEPTH		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			FROM CONTINUATION PAGE(S) <u>10210</u>				
DATE SIGNED				BEAN SIZE		SPACERS		WE UNDERSTOOD AND MET YOUR NEEDS?			<u>12055</u>				
TIME SIGNED <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.				TYPE OF EQUALIZING SUB.		CASING PRESSURE		OUR SERVICE WAS PERFORMED WITHOUT DELAY?			<u>4581</u>				
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered				TUBING SIZE		TUBING PRESSURE		WELL DEPTH		WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			<u>7474</u>		
				TREE CONNECTION		TYPE VALVE		ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO			<b>SUB-TOTAL</b> APPLICABLE TAXES WILL BE ADDED ON INVOICE				
								<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 Elie</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <input checked="" type="checkbox"/> <u>Mark Elie</u>	HALLIBURTON OPERATOR/ENGINEER <u>Bob J. Cook</u>	EMP # <u>D1033</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. 599 210

FORM 1911 R-8

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				DATE	PAGE	OF
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M			
						Mobil oil Corporation	Heger 1-3				10-24-93	2	2
504-050	516.00265					Premium Plus Cement	525	sk			9.22	4,840	50
507-153	516.00161					CFR-2 B/ .3% W/ 175	50	lb			4.85	242	50
507-285	70.15250					Econolite B/ 3% W/ 350	987	lb			1.00	987	00
507-665	70.15556					Halad-9 B/ .8% W/ 175	132	lb			8.60	1,135	20
507-970	70.15764					D-Air #1 B/ .2# @ Sk W/ 350	70	lb			3.25	227	50
508-112	516.00226					Microbond B/ 10# @ Sk W/ 175	1750	lb			.95	1,660	50
509-406	890.50812					Calcium Chloride B/ 2% W/ 175	3	sk			28.25	84	75
500-207						SERVICE CHARGE							
500-306						MILEAGE CHARGE							
						TOTAL WEIGHT	52,602						
						LOADED MILES		11					
						CUBIC FEET			544		1.35	734	40
						TON MILES					.95	295	75
CONTINUATION TOTAL												10210.10	

RECEIVED  
STATE CORPORATION COMMISSION  
MAR 01 1994  
CONSERVATION DIVISION  
Wichita Kansas

ORIGINAL



CHARGE TO:  
 ADDRESS: *Mosil O.L. Corp*  
*P.O. Box 633*  
 CITY, STATE, ZIP CODE: *Midland, TX 79702*

COPY

TICKET

No.

549049-6

FORM 1906 R-12

PAGE 1 OF 2

1. SERVICE LOCATIONS <i>25540</i>	WELL/PROJECT NO. <i>1# Unit 3 Negera</i>	LEASE <i>Stevens</i>	COUNTY/PARISH <i>Stevens</i>	STATE <i>Ks</i>	CITY/OFFSHORE LOCATION	DATE <i>10-21-93</i>	OWNER <i>Mosil</i>
2. TICKET TYPE <input type="checkbox"/> SERVICE JOB? <input type="checkbox"/> YES <input type="checkbox"/> SALES <input type="checkbox"/> NO	CONTRACTOR		RIG NAME NO.	SHIPPED VIA <i>Loc</i>	DELIVERED TO	ORDER NO.	
3. WELL TYPE	WELL CATEGORY <i>0203</i>	JOB PURPOSE <i>010 8 3/8 Sucker</i>	WELL PERMIT NO.	WELL LOCATION <i>Wichita, Kansas</i>	RECEIVED STATE CORPORATION COMMISSION MAY 01 1994		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

ORIGINAL

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
<i>000-117</i>		<i>1</i>						<i>11</i>	<i>M/L</i>		<i>2.75</i>	<i>30.25</i>
<i>001-016</i>		<i>1</i>				<i>Pump charge</i>		<i>1</i>	<i>FT</i>			<i>735.18</i>
<i>030-018</i>		<i>1</i>				<i>5wd Top Play</i>		<i>1</i>	<i>Ech</i>	<i>8 3/8</i>	<i>130.00</i>	<i>130.00</i>

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CUSTOMER OR CUSTOMER'S AGENT SIGNATURE  
*X Mark E Ellerbe*

DATE SIGNED: *10/21/93* 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 <i>8956.25</i> FROM CONTINUATION PAGE(S) <i>5067.72</i> SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <i>3875.93</i>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
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) <i>Mark E Ellerbe</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X Mark E Ellerbe</i>	HALLIBURTON OPERATOR/ENGINEER <i>DeLoe</i>	EMP # <i>59179</i>	HALLIBURTON APPROVAL
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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. Request for modifications should be directed to the Vice President, Halliburton Energy Services, 5151 San Felipe, Houston, Texas 77056.



FORM 1911 R-8

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			CUSTOMER	QTY.	U/M	QTY.		
						Mobil Oil Corp.	Heger #1 Unit #3					
504-050	516.00265					Premium Plus Cement	200	sk			8 95	1790 00
504-120						Halliburton Light Cement	250	sk			8 21	2052 50
504-050	516.00265											
506-105	516.00286											
506-121	516.00259											
507-210	890.50071					Flocele 1/4#/250sk	63	lb			1 40	88 20
509-406	890.50812					Calcium Chloride 3%/450sk	12	sk			28 25	339 00
500-207						SERVICE CHARGE					1 25	597 50
500-306						MILEAGE CHARGE						
						TOTAL WEIGHT	42,891					
						LOADED MILES	11					
						CUBIC FEET						
						TON MILES						
									235.90			
										85	200.52	

ORIGINAL

 RECEIVED  
 STATE REGENERATION COMMISSION  
 MAR 01 1994  
 CONSERVATION DIVISION  
 Wichita, Kansas

 CONTINUATION TOTAL 5067.72

**JOB LOG** FORM 2013 R-4

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
MOBIL OIL	1-3	Heger Unit 3	8 5/8 SURFACE	549049

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							Time Colled
	2100	now						Time Ready Time on loc.
								Start Ring Casing ORIGINAL
	2335							Casing in Hole
	2336							Hookup To Circulate Casing
	2343							Circulate Casing w/ 100g Pump
	2345							Circulate Mud To Gravel Level
	2400							Hookup To Pump Truck
	0003	6						200 Start Water Muc
	0003		20					200 Start Mixing Cement
	0017		91.27					250 Start Tail Cement
	0022		47.01					250 Finish Mixing Cement
	0023		138.28					250 Shut Down Drip Plug
	0024	6						0% Start Displacement
	0040	3A	149.0					350/850 Plug Down wash Pump's Lines

RECEIVED  
 STATE CORPORATION COMMISSION  
 MAR 04 1994  
 CONSERVATION DIVISION  
 Wichita, Kansas  
 Float Held +  
 Circulate Cement To the PT  
 13132 6858  
 To Halliburton  
 Services  
 Done by  
 Crew

WELL DATA

FIELD \_\_\_\_\_ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY Stearns STATE Ks

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		214	8 7/8	KB	812	70
LINER						
TUBING						
OPEN HOLE			12 1/4 GL		813	SHOTS/FT.
PERFORATIONS		ORIGINAL				
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 10-21	DATE 10-21	DATE 10-21	DATE 10-22
TIME 1900	TIME 2115	TIME 2335	TIME 0040

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
OB Gore	40075	Liberal Ks
	59179	
D Peac	4903 / 78148	"
M Howe	3626 / 7649	Hogton Ks
	F73143	
Largent	4461 / 5503	"

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	1	Howco
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT Cement

DESCRIPTION OF JOB 8 7/8

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

CUSTOMER REPRESENTATIVE X mch elle

HALLIBURTON OPERATOR OB Gore COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	250	Prem Plus	LIWT	3%CC	1/4 # Flocc	2.05	12.3
	200	Prem Plus		3%CC		1.32	14.8
						COMMISSION	

PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

SUMMARY

PRESLUSH: BBL.-GAL. 20 TYPE Water

LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 49.0

CEMENT SLURRY: BBL.-GAL. 138.28

TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

RAMARKS

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL: \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 412 REASON Stop Joint

CUSTOMER: Mid Cont  
LEASE: Hogton  
WELL NO.: Liberal 3#  
JOB TYPE: 8 7/8 Surface  
DATE: 10-21-03