

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

API NO. 15- 189-21615-00-08 ORIGINAL  
County Stevens  
- NW - SE - SE Sec. 11 Twp. 34S Rge. 38W X W

Operator: License # 5208

Name: Mobil Oil Corporation

Address P.O. Box 2173

2319 North Kansas Avenue

City/State/Zip Liberal, KS 67905-2173

Purchaser: Spot Market

Operator Contact Person: Sharon Cook

Phone (316) 626-1142

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: W. H. Jamieson

Designate Type of Completion

New Well  Re-Entry  Workover

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

If Workover:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

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

6-1-94 6-3-94 7-1-94  
Spud Date Date Reached TD Completion Date

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

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

Lease Name Greenwood #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3182.54 KB 3194

Total Depth 2950 PBDT 2880

Amount of Surface Pipe Set and Cemented at 660 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmt.

Drilling Fluid Management Plan ALT 1 JH 11-21-94  
(Data must be collected from the Reserve Pit)

Chloride content 5000 ppm Fluid volume 350 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name Mobil Oil Corporation

Lease Name Hill Unit #3 SWDW License No. 5208

SW Quarter. Sec. 3 Twp. 33 S Rng. 37W E/W

County Stevens Docket No. CD-117710

**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 7-19-94

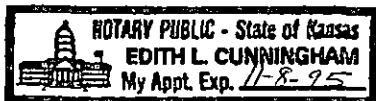
Subscribed and sworn to before me this 19 day of July, 19 94.

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)

228.sac



RECEIVED  
Form ACO-1 (7-94) STATE CORPORATION COMMISSION

JUL 20 1994 P1

CONSERVATION DIVISION  
Wichita, Kansas

**SIDE TWO**

Operator Name Mobil Oil Corporation Lease Name Greenwood #1 Unit Well # 3  
 Sec. 11 Twp. 34S Rge. 38W  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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Glorietta</td> <td>1215</td> <td>1385</td> </tr> <tr> <td>Stone Corral</td> <td>1685</td> <td>1760</td> </tr> <tr> <td>Chase</td> <td>2595</td> <td>2940</td> </tr> <tr> <td>Council Grove</td> <td>2940</td> <td>--</td> </tr> </tbody> </table>	Name	Top	Datum	Glorietta	1215	1385	Stone Corral	1685	1760	Chase	2595	2940	Council Grove	2940	--
Name	Top		Datum														
Glorietta	1215		1385														
Stone Corral	1685		1760														
Chase	2595		2940														
Council Grove	2940	--															
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 (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																
List All E.Logs Run:																	

Dual Induction Focused Log - Gamma Ray  
Compensated Dual Neutron Spectralog

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#	671	Dowell Dowell	200 sx 175 sx	3% CaCl <sub>2</sub> 6% gel 3% CaCl <sub>2</sub>
Production Casing	7.875	5.500	14#	2934	35/65 Poz Dowell Dowell	250 sx 175 sx	Class C 2% CaCl <sub>2</sub> Class C

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	2600-2608	2626-2650	2658-2690		Acid: 1000 gal 7.5% HCL Frac'd: 27,000 gals Crosslink Gel 72,000 lbs 12/20 Brady Sand	
	2720-2736	2754-2764	2774-2816	2830-2840	Acid: 1000 gal 7.5% HCL Frac'd: 20,000 gals Crosslink Gel 70,000 lbs 12/20 Brady Sand		

<b>TUBING RECORD</b>	Size None	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 7-1-94	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 680 Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled 2600

Production Interval:  Other (Specify) \_\_\_\_\_

2600 to 2840  
2840 to 2940  
2940 to 3000

CEMENTING SERVICE REPORT



ATTN NUMBER: 0200  
 DATE: 6/1/94  
 STAGE: DS DISTRICT: ULS

DS-495-A PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. **Greenwood #1-3**  
 LOCATION (LEGAL) **Sec 11-34s-38w**  
 FIELD-POOL **Hogaton**  
 FORMATION **Surf.**  
 COUNTY/PARISH **Stevens**  
 STATE **KANSAS**  
 API. NO.  
 NAME **Moby**  
 ADDRESS  
 ZIP CODE

RIG NAME: **Chapenne #4**  
 WELL DATA:  
 BIT SIZE **12 1/4** CSG/Liner Size **8 7/8**  
 TOTAL DEPTH **21** WEIGHT **21**  
 MUD TYPE **6.76** GRADE  
 MUD DENSITY **4** LESS FOOTAGE SHOE JOINT(S)  
 MUD VISC. **6.35** Disp. Capacity **40.4**

ORIGINAL

SPECIAL INSTRUCTIONS  
**SATU cmt 8 7/8 SURFACE CSG**  
**Dr Customer orders**  
 IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE **260** PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT **200** PSI BUMP PLUG TO **760** PSI  
 ROTATE **FT** RPM RECIPROCATE **FT** No. of Centralizers

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float	TYPE <b>Adv 4 1/2 Inset</b>	DEPTH <b>635</b>
Stage Tool	TYPE <b>Print release</b>	DEPTH <b>676</b>

Head & Plugs  TBG  D.P. SQUEEZE JOB  
 Double SIZE  WEIGHT  
 Single  GRADE  THREAD  
 Swage  KNOCKOFF  
 TOP  NEW  USED  
 BOT  DEPTH

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME ASAP	DATE	TIME	DATE	TIME	DATE	
0001 to 2400	NA										
13:58	↓	120	20	-	5.7	H <sub>2</sub> O	8.33				
14:05	↓	170	45	-	5.7	Cmt	12.2				
14:17	NA	150	41	-	5.4	Cmt	14.8				
14:23	↓	0	0	-	0						
14:26	↓	170	40.5	-	5.7	H <sub>2</sub> O	8.33				
14:30	NA	180	30	-	2.0						
14:36	↓	760	41.2	-	1.9						
14:38		0									

PRE-JOB SAFETY MEETING **Portest die**  
**160 ahead**  
**Start dead cmt**  
**Start Tail cmt**  
**Shot Down, Drop plug**  
**Displace**  
**Lower Pt**  
**Bump plug**  
**Release psi - front held**

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			1	2	3	4	BBLs	DENSITY
1.	200	2.1	35/65 7oz/c	+10% D20	+3% s1	+1/4 #/sk D29	74.8	12.2
2.	175	1.32	C + 3% s1	+1/4 #/sk D29			41.1	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE  
 HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO  
 PRESSURE **40.4** Bbls  
 TYPE OF WELL  OIL  GAS  STORAGE  INJECTION  BRINE WATER  
 WASHED THRU PERFS  YES  NO TO FT. MEASURED DISPLACEMENT  WIRELINE  
 PERFORATIONS TO TO TO TO  
 CUSTOMER REPRESENTATIVE **Self Lasiter**  
 DS SUPERVISOR **Pro Black**  
 CONSERVATION DIVISION  
 Wichita, Kansas

JUL 20 1994

# DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

SPECIAL HANDLING

## OILFIELD SERVICES

DSI SERVICE ORDER RECEIPT AND INVOICE NO:

DSI SERVICE LOCATION NAME AND NUMBER

*Olives KS 0312*

CUSTOMER NUMBER

CUSTOMER P.O. NUMBER

TYPE SERVICE CODE

BUSINESS CODES

*600*

*271*

CUSTOMER'S NAME

*Mobil*

ADDRESS

ORIGINAL

CITY, STATE AND ZIP CODE

WORKOVER  
NEW WELL  
OTHER

W  
 N

API OR IC NUMBER

IMPORTANT  
SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE LOCATION	MO.	DAY	YR.	TIME
	<i>6</i>	<i>1</i>	<i>94</i>	<i>1200</i>

SERVICE ORDER I authorize work to begin per service instructions in accordance with terms and conditions printed on the reverse side of this form and/or attached to this form and represent that I have authority to accept and sign this order.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

*[Signature]*

JOB COMPLETION	MO.	DAY	YR.	TIME
	<i>6</i>	<i>1</i>	<i>94</i>	<i>14:38</i>

SERVICE RECEIPT I certify that the materials and services listed were received and all services performed in a workmanlike manner.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

*[Signature]*

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS in accordance with the general terms and conditions as printed on the reverse side of this service order and/or attached to this service order. This service order is subject to alternative dispute resolution.

*Safety set w/cmt 85/8  
Surface Csg ns per Customer  
orders*

STATE CODE COUNTY/PARISH CODE CITY

*Kansas*

CODE

COUNTY/PARISH

*Stevens*

CODE

CITY

WELL NAME AND NUMBER / JOB SITE

*Greenwood 1-3*

LOCATION AND POOL / PLANT ADDRESS

*SEC 11 - 34S - 38W*

SHIPPED VIA

*Dowell*

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
49102-00	Pump Chg	EA	1	790. <sup>00</sup>	790. <sup>00</sup>
49100-00	Deleusey Chg	TM	360	.94	338.40
59097-00	Service Chg	F3	<del>360</del> 412	1.28	527.36
59200-00	DACE	CA	1	150. <sup>00</sup>	150. <sup>00</sup>
48601-000	Milage	MI	20	2.80	56. <sup>00</sup>
	Cmt Head Rental	EA	1	100. <sup>00</sup>	100. <sup>00</sup>
40003-000	C.Cmt	F3	305	8.70	2653.50
45008-000	disc Poz #1	F3	70	4.22	295.40
45014-000	D20 Cell	#	1044	.16	167.04
67005-100	Sl Cndg	#	1016	.39	396.24
43003-025	D29 Ank	#	94	1.70	159.80
	Top wood plug	CA	1	102. <sup>00</sup>	102. <sup>00</sup>
	field Est. 5085.74				
	3640				

SERVICE ORDER RECEIPT

SUB TOTAL

LICENSE/REIMBURSEMENT FEE

LICENSE/REIMBURSEMENT FEE

REMARKS:

*Thank you for using  
Dowell  
Greg + Crew*

STATE

% TAX ON \$

COUNTY

% TAX ON \$

CITY

% TAX ON \$

SIGNATURE OF DSI REPRESENTATIVE

*Greg Black*

TOTAL \$

RECEIVED  
STATE CORPORATION COMMISSION  
JUL 20 1994  
CONSERVATION DIVISION  
Wichita, Kansas

GENERAL TERMS AND CONDITIONS

1. DSI. The Term "DSI" as used herein is an abbreviation of Dowell Schlumberger Incorporated and where used throughout these Terms and Conditions, shall be construed to mean Dowell Schlumberger Incorporated, a Delaware corporation.

2. Terms. Cash in advance unless DSI has approved credit prior to the sale. Credit Terms of Sale for approved accounts are total invoice amount due at DSI's office, Houston, Texas, on or before the 30th day from the date of invoice. Past due accounts are to pay interest on the balance past due at the rate of 1.5% per month or the maximum allowable by applicable state or federal laws if such laws limit interest to a lesser amount. In the event it is necessary to employ an agency and/or attorney to effect collection of said account, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with DSI becomes delinquent, DSI has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become immediately due and owing and subject to collection.

3. Prices. The products and services to be supplied hereunder shall be priced as quoted. Products and services supplied on a price estimate basis shall be priced in accordance with DSI's current price schedule; special jobs, under unusual conditions, will be subject to special price quotations to reflect increased or reduced costs and risk.

4. Taxes. Any tax based on or measured by the change for the sale or rental of products or rendering of service shall be added to the price stated in DSI's price schedule.

5. Independent Contractor. DSI is and shall be an independent contractor with respect to the performance of the services set forth on the service order, and neither DSI nor anyone employed by DSI shall be the agent, representative, employee or servant of Customer in the performance of such services or any part hereof.

6. Obligations of Customer.

A. Notification of Hazardous Conditions. DSI's equipment is designed to operate under conditions normally encountered in the well bore. Customer shall notify DSI in advance and make special arrangements for servicing wells in which hazardous or unusual conditions exist.

B. Chemicals. The handling and disposal of any chemical, waste or by-product used or generated in the performance of these Terms and Conditions ("Chemicals") is the sole responsibility of Customer, who shall, under all circumstances, be considered the owner and generator thereof. Customer agrees that any such Chemicals will be transported and disposed of in accordance with all applicable federal, state and local laws and regulations. Customer hereby waives, releases and agrees not to assert any claim or bring any cost recovery action against DSI in connection with the use, generation, storage, transportation or disposal of Chemicals arising out of these Terms and Conditions, under any common law theories or federal, state or local environmental laws or regulations, now existing or hereinafter enacted, without regard to the cause or causes thereof or the negligence of any party.

7. Limited Warranty-Oilfield Products. DSI expressly warrants that it shall convey good title to the oilfield products furnished to Customer as part of the services and that such oilfield products shall conform to the specifications represented in the service order. DSI does not warrant in any way oilfield products not manufactured by DSI, and such will be sold or provided hereunder only with the warranties that are given by the manufacturer thereof. DSI MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE OILFIELD PRODUCTS, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR THAT SAID OILFIELD PRODUCTS SHALL BE FIT FOR ANY PARTICULAR PURPOSE. DSI's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, or breach of warranty or otherwise) arising out of the sale or use of an oilfield product furnished by DSI for use in connection with its services, is expressly limited to (a) the replacement of such oilfield product upon its return to DSI or, at DSI's option, (b) the allowance to Customer of credit for cost of such oilfield product.

8. Exclusion of Warranty - Services. In interpreting information and making recommendations, either written or oral, as to types or amounts of materials or services to be furnished, or manner of performance, or in predicting results to be obtained therefrom, DSI will give Customer the benefit of its best judgment based on its experience. Nevertheless, all such recommendations or predictions are opinions only; and, in view of the impracticability of obtaining first-hand knowledge of the many variable conditions and/or the necessity of relying on facts and supporting services furnished by others, NO WARRANTY IS GIVEN CONCERNING THE EFFECTIVENESS OF THE MATERIALS USED, RECOMMENDATIONS GIVEN, OR THE RESULTS OF THE SERVICES RENDERED.

9. Data Interpretation and Transmission. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY, DSI CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION. DSI does not warrant the accuracy of data transmitted by electronic processes and will not be responsible for accidental or intentional interception of such data by others. DSI does not guarantee the safe storage or the length of time of storage of any digital tapes, optical logs or prints, transparencies, or other similar products or material.

10. Indemnity. For the purposes of this paragraph 10 the following definitions shall apply: "DSI Group" shall mean DSI its parent, subsidiary and affiliated companies, its contractors and subcontractors and all such entities' officers, directors, employees and invitees; and "Customer Group" shall mean Customer, its parent, subsidiary and affiliated companies, its contractors and subcontractors (other than the DSI Group and all such entities' officers, directors, employees and invitees).

A. DSI Indemnity. DSI assumes all liability for, and hereby agrees to protect, defend, indemnify and hold Customer Group and their insurers harmless from and against all damage, loss, liability, claims, demands and causes of action of every kind and character, (including all costs and expenses thereof and reasonable attorney's fees) without regard to the cause or causes thereof, the unseaworthiness of any vessel, strict liability or the negligence of any party, whether such negligence be the sole, concurrent, active or passive negligence of Customer Group, arising in connection herewith, on account of bodily injury and/or death to a member of the DSI Group and/or damage to the DSI Group's property (except with respect to DSI property as otherwise provided in subparagraph B2 of this paragraph 10).

B. Customer Indemnity. Customer assumes all liability for, and hereby agrees to protect, defend, indemnify and hold the DSI Group and their insurers harmless from and against all damage, loss, liability, claims, demands and causes of action of every kind and character, (including all costs and expenses thereof and reasonable attorney's fees) without regard to the cause or causes thereof, the unseaworthiness of any vessel, strict liability or the negligence of any party, whether such negligence be the sole, concurrent, active or passive negligence of DSI Group, arising in connection herewith:

1. on account of bodily injury and/or death to a member of the Customer Group and/or damage to the Customer Group's property.

2. in favor of DSI Group on account of loss of or damage to DSI property, equipment, materials or products, including but not limited to, fishing expenses, when such loss or damage occurs: (a) in the hole, (b) as a result of uncontrolled well conditions, (c) while in transit or being moved on any form of transportation owned or furnished by Customer, (d) while located at the well site when DSI personnel are not present or (e) while being used by any person other than a DSI employee, whether in an emergency or otherwise. With respect hereto the property, equipment, materials and products will be valued at their respective landed replacement cost. With respect to (a) above, rental charges on the equipment lost or damaged in the hole shall continue to be paid up to and including the date on which DSI receives notice in writing of the loss or damage.

C. Special Indemnity. Customer further agrees to protect, defend, indemnify, and hold DSI Group and their insurers harmless from and against all loss, liability, claims, demands and causes of action (including all costs and expenses thereof and reasonable attorney's fees) of every kind and character, without regard to the cause or causes thereof, the unseaworthiness of any vessel, strict liability or the negligence of any party, whether such negligence be the sole, concurrent, active or passive negligence (but excluding the gross negligence) of DSI Group, arising in connection herewith in favor of Customer Group or any third party for: (1) property damage or loss that results from blow-out or cratering; (2) property damage or loss that results from pollution and contamination, whether caused by Customer's failure to properly handle, transport or dispose of any Chemicals as required by paragraph 6B hereof or otherwise, including containment, clean-up and remediation of the pollutant and contamination, whether or not required by any applicable federal, state or local law or regulation; (3) property damage or loss that results from reservoir or underground damage, including loss of oil, gas, other mineral substance, or water or the well bore itself, surface damage arising from subsurface damage or subsea damage; (4) personal injury, death, or property damage or loss that results from work performed to control a wild well; (5) cost of control of a wild well, underground or above the surface, including any redrilling or reworking costs; (6) damage to property owned by, in the possession of, or leased by Customer, and/or well owner, if different from Customer, (the term "well owner" shall include working and royalty interest owners) (i.e., any drilling, rig platform or other structure at the wellsite); or (7) subsurface trespass or any action in the nature thereof.

To the extent this paragraph 10C conflicts with the provisions of paragraph 10A hereof, paragraph 10C shall control. The indemnification provided herein shall not operate to increase any standard of responsibility limited by other provisions of these General Terms and Conditions.

D. Notices. Each party agrees to immediately notify the other party of any claim, demand, or suit presented to or served upon it by any person or entity in connection with the performance of this Agreement. The party seeking indemnification shall afford the other party full opportunity to assume the defense of such claim, demand, or suit and to protect itself under the obligations of this paragraph.

E. Incidental or Consequential Damages. It is expressly agreed that neither party shall be liable to the other for any punitive, incidental, consequential, indirect or special damages, nor for any loss of profits or business interruption or loss of use.

11. Insurance. Customer's and DSI's indemnity obligations under paragraph 10 hereof shall be supported by adequate liability, property, or self-insurance (if it meets the requirements set forth below) furnished by each party. Each party's cost with contractual indemnity endorsements. The amounts of insurance to be provided from each party hereunder shall be equal; each party's indemnity obligations shall be limited to the highest amount of insurance coverage mutually carried by both parties hereunder.

In the event either party maintains a plan(s) of self-insurance to insure any part of the risks otherwise covered by the insurances required hereunder, such plan of self-insurance shall not satisfy the requirements of this paragraph unless an authorized representative of the party not requesting to be self-insured expressly consents in writing to the requesting party's use of such plan(s) of insurance. If it is judicially determined that the insurance required under this paragraph or the indemnity obligations voluntarily assumed under paragraph 10 hereof and supported either by available liability insurance or voluntarily self-insured, in part or whole, exceeds the maximum amounts of insurance or indemnity permitted under applicable law, it is agreed that said insurance requirements or indemnity shall automatically be amended to conform to the maximum amounts permitted under applicable law.

12. Force Majeure. DSI shall not be liable for any delay or non-performance due to governmental regulation, labor disputes, hostile action, weather, fire, acts of God, or any other causes beyond the reasonable control of DSI.

13. Dispute Resolution. If this Service Order is issued in conjunction with an executed DSI Master Service Agreement-Oilfield Services then all controversies shall be resolved as set forth therein. In the absence of such agreement DSI and Customer shall settle all disputes and claims arising out of these General Terms and Conditions under the Commercial Rules of the American Arbitration Association, as then in force, by one or more arbitrators appointed in accordance with said rules. The place of arbitration shall be Houston, Texas. Any award or determination of the arbitration tribunal shall be final and conclusive, judgment thereon may be entered in any court of competent jurisdiction and no appeal thereof shall be made by the parties.

14. Governing Law. These General Terms and Conditions shall be governed by the law of the state where the services are performed or equipment furnished; however, where services are performed or equipment furnished offshore or on navigable waters, the Federal Maritime Law will govern.

Handwritten signature and initials, possibly "DSI" and "Customer", in the bottom right corner of the page.

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TRIP NUMBER 209	DATE 6-4-95
STAGE LS	DS 0312
DISTRICT UKS	

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO. <b>Greenwood #1-3</b>		LOCATION (LEGAL) <b>Sec 11-245-38W</b>		RIG NAME <b>CHEYENNE Rig 4</b>	
FIELD-POOL <b>HUGOLON</b>		FORMATION <b>CHASE</b>		WELL DATA: BOTTOM TOP	
COUNTY/PARISH <b>STEVENS</b>		STATE <b>KANSAS</b>		BIT SIZE <b>7 7/8</b> CSG/Liner Size <b>5 1/2</b>	
NAME <b>Mobil Oil</b>		API. NO.		TOTAL DEPTH <b>2950</b> WEIGHT <b>14</b>	
AND				<input type="checkbox"/> ROT <input type="checkbox"/> CABLE FOOTAGE <b>2950</b>	
ADDRESS				MUD TYPE GRADE	
ZIP CODE				<input type="checkbox"/> BHST <input type="checkbox"/> BHCT THREAD <b>8 R9</b>	
SPECIAL INSTRUCTIONS				MUD DENSITY LESS FOOTAGE SHOE JOINT(S) <b>44.57</b> TOTAL	
				MUD VISC. Disp. Capacity <b>2908.81</b> 71	

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Floor	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
		<b>2908.81</b>			
SHOE	TYPE	DEPTH			
		<b>2950</b>			

**ORIGINAL**

IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO		LIFT PRESSURE <b>1743</b> PSI		CASING WEIGHT + SURFACE AREA (3.14 x R <sup>2</sup> )	
PRESSURE LIMIT PSI		BUMP PLUG TO <b>1600</b> PSI		SQUEEZE JOB	
ROTATE RPM		RECIPROCATE .FT		No. of Centralizers	
Head & Plugs		<input type="checkbox"/> TBG <input type="checkbox"/> D.P.		SIZE	
<input type="checkbox"/> Double		<input type="checkbox"/> WEIGHT		TOOL TYPE	
<input checked="" type="checkbox"/> Single		<input type="checkbox"/> GRADE		DEPTH	
<input type="checkbox"/> Swage		<input type="checkbox"/> THREAD		TAIL PIPE: SIZE DEPTH	
<input type="checkbox"/> Knockoff		<input type="checkbox"/> NEW <input type="checkbox"/> USED		TUBING VOLUME Bbls	
TOP <input type="checkbox"/> OR <input type="checkbox"/> W		DEPTH		CASING VOL. BELOW TOOL Bbls	
BOT <input type="checkbox"/> OR <input type="checkbox"/> W		DEPTH		TOTAL Bbls	
				ANNUAL VOLUME Bbls	

TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR TIME: <b>11:54</b> DATE: <b>6-4-94</b>			ARRIVE ON LOCATION TIME: <b>0600</b> DATE: <b>6-4-94</b>	LEFT LOCATION TIME: DATE:
	TBG OR D.P.	CASING	INCREMENT	CUM.	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL	
0001 to 2400								PRE-JOB SAFETY MEETING	
0939	<del>760</del>	260	20		5.7	h2o	8.34	START h2o AHEAD	
0943		310	124	20	5.7	CMT	11.5	START LEAD CEMENT	
1004		150	38	144	5.7	CMT	14.8	START TAIL CEMENT	
1011								Shut down wash lines / Drop top plug	
1014		0	71	182	5.7	h2o	8.34	START displacement	
1026		550		238	2	h2o	8.34	Lower Rate	
1034		1600		253	-	h2o	8.34	Bump Plug	
1035		0						BLEED PSI CHECK FLAT HEAD	

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED BBLs DENSITY	
							BBLs	DENSITY
1.	250	2.7	Class C + 12% D79 + 0.2% D-46 + 1/4% K D-79				120	11.5
2.	150	1.47	Class C + 2% R2R + 2% S1 + 0.6% D60 + 0.2% D-65 + 0.2% D-46				39	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE		VOLUME		DENSITY	PRESSURE <b>1600</b> MAX.	MIN: <b>10.5</b> Bbls.
<input type="checkbox"/> HESITATION SQ.		<input type="checkbox"/> RUNNING SQ.		CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
BREAKDOWN PSI FINAL		PSI		DISPLACEMENT VOL. <b>71</b> Bbls	TYPE OF WELL <input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE/WATER <input type="checkbox"/> WILDCAT	
Washed Thru Peris <input type="checkbox"/> YES <input type="checkbox"/> NO TO		FT.		MEASURED DISPLACEMENT <input checked="" type="checkbox"/> WIRELINE	DATE CORPORATION COMMISSION	
PERFORATIONS TO TO		CUSTOMER REPRESENTATIVE <b>Jeff Lasiter</b>		DS SUPERVISOR <b>John E. ...</b>		<b>JUL 20 1994</b>

**JUL 20 1994**

CONSERVATION DIVISION

**OILFIELD SERVICES**

DSI SERVICE ORDER  
 RECEIPT AND INVOICE NO.  
 6209

DSI SERVICE LOCATION NAME AND NUMBER  
 0312 UKS

CUSTOMER NUMBER CUSTOMER P.O. NUMBER TYPE SERVICE CODE BUSINESS CODES

CUSTOMER'S NAME

Mobil Oil

ADDRESS

CITY, STATE AND ZIP CODE

WORKOVER  W  
 NEW WELL  N  
 OTHER  O  
 API OR IC NUMBER

IMPORTANT: SEE OTHER SIDE FOR TERMS & CONDITIONS  
 ARRIVE MO. DAY YR. TIME  
 LOCATION 6 4 94 0600

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS in accordance with the general terms and conditions as printed on the reverse side of this service order and/or attached to this service order. This service order is subject to alternative dispute resolution.

SERVICE ORDER. I authorize work to begin per service instructions in accordance with terms and conditions printed on the reverse side of this form and/or attached to this form and represent that I have authority to accept and sign this order.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE  
*[Signature]*

JOB COMPLETION MO. DAY YR. TIME  
 6 30 94 1035

SERVICE RECEIPT I certify that the materials and services listed were received and all services performed in a workmanlike manner.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE  
*[Signature]*

SAFELY CEMENT 5/2 PRODUCTION CASING PER CUSTOMERS ORDERS

STATE CODE COUNTY / PARISH CODE CITY  
 KANSAS STEVENS

WELL NAME AND NUMBER / JOB SITE LOCATION AND POOL / PLANT ADDRESS SHIPPED VIA  
 GREENWOOD #1-3 SEC 11-345-38W DOWELL

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102871-030	CEMENT Pump TRK CHG	EA	1	1310.00	\$ 1310.00
059697-600	PACR RECORDER	EA	1	150.00	150.00
049102-000	DELIVERY CHG	TW mi	685	0.94	643.90
049100-600	SERVICE CHG	cu ft	411	1.28	526.08
059200-002	MILEAGE (30 MINS X 35)	mi	105	2.80	294.00
045641-000	D79 Chemical Extender	lb	705	1.38	972.90
040003-000	D903 CLASS C CEMENT	cu ft	400	8.70	3480.00
067005-100	5L Calcium Chloride	lb	282	0.39	109.98
047002-050	D-46 Antifoam Agent	lb	83	3.27	271.41
044003-025	D-29 Cellophane FLAKE	lb	63	1.70	107.10
044002-050	D-60 FIAC	lb	84	8.27	694.68
047007-050	D-65 TIC DISPERSANT	lb	29	5.02	145.58
045625-025	D-28 Retarder Expanding material	lb	83 282	5.34 3.21	443.22 905.22
056704-054	TOP PLUG 5/2	EA	1	116.00	116.00
RECEIPT ORIGINAL					\$ 9264.85 976.85 Less Discount \$ 6114.82 6030.65

SUB TOTAL

LICENSE/REIMBURSEMENT FEE

REMARKS: THANKS FOR USING DOWELL JOHNNY & CREW

STATE COUNTY CITY SIGNATURE OF DSI REPRESENTATIVE TOTAL \$

*Johnny N. Elliott*

GENERAL TERMS AND CONDITIONS

1. DSI. The Term "DSI" as used herein is an abbreviation of Dowell Schlumberger Incorporated and where used throughout these Terms and Conditions, shall be construed to mean Dowell Schlumberger Incorporated, a Delaware corporation.

2. Terms. Cash in advance unless DSI has approved credit prior to the sale. Credit Terms of Sale for approved accounts are total invoice amount due at DSI's office, Houston, Texas, on or before the 30th day from the date of invoice. Past due accounts are to pay interest on the balance past due at the rate of 1.5% per month or the maximum allowable by applicable state or federal laws if such laws limit interest to a lesser amount. In the event it is necessary to employ an agency and/or attorney to effect collection of said account, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with DSI becomes delinquent, DSI has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become immediately due and owing and subject to collection.

3. Prices. The products and services to be supplied hereunder shall be priced as quoted. Products and services supplied on a price estimate basis shall be priced in accordance with DSI's current price schedule; special jobs, under unusual conditions, will be subject to special price quotations to reflect increased or reduced costs and risk.

4. Taxes. Any tax based on or measured by the change for the sale or rental of products or rendering of service shall be added to the price stated in DSI's price schedule.

5. Independent Contractor. DSI is and shall be an independent contractor with respect to the performance of the services set forth on the service order, and neither DSI nor anyone employed by DSI shall be the agent, representative, employee or servant of Customer in the performance of such services or any part hereof.

6. Obligations of Customer

A. Notification of Hazardous Conditions. DSI's equipment is designed to operate under conditions normally encountered in the well bore. Customer shall notify DSI in advance and make special arrangements for servicing wells in which hazardous or unusual conditions exist.

B. Chemicals. The handling and disposal of any chemical, waste or by-product used or generated in the performance of these Terms and Conditions ("Chemicals") is the sole responsibility of Customer, who shall, under all circumstances, be considered the owner and generator thereof. Customer agrees that any such Chemicals will be transported and disposed of in accordance with all applicable federal, state and local laws and regulations. Customer hereby waives, releases and agrees not to assert any claim or bring any cost recovery action against DSI in connection with the use, generation, storage, transportation or disposal of Chemicals arising out of these Terms and Conditions, under any common law theories or federal, state or local environmental laws or regulations, now existing or hereinafter enacted, without regard to the cause or causes thereof or the negligence of any party.

7. Limited Warranty-Oilfield Products. DSI expressly warrants that it shall convey good title to the oilfield products furnished to Customer as part of the services and that such oilfield products shall conform to the specifications represented in the service order. DSI does not warrant in any way oilfield products not manufactured by DSI, and such will be sold or provided hereunder only with the warranties that are given by the manufacturer thereof. DSI MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE OILFIELD PRODUCTS, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR THAT SAID OILFIELD PRODUCTS SHALL BE FIT FOR ANY PARTICULAR PURPOSE. DSI's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, or breach of warranty or otherwise) arising out of the sale or use of an oilfield product furnished by DSI for use in connection with its services, is expressly limited to (a) the replacement of such oilfield product upon its return to DSI or, at DSI's option, (b) the allowance to Customer of credit for cost of such oilfield product.

8. Exclusion of Warranty - Services. In interpreting information and making recommendations, either written or oral, as to types or amounts of materials or services to be furnished, or manner of performance, or in predicting results to be obtained therefrom, DSI will give Customer the benefit of its best judgment based on its experience. Nevertheless, all such recommendations or predictions are opinions only; and, in view of the impracticality of obtaining first-hand knowledge of the many variable conditions and/or the necessity of relying on facts and supporting services furnished by others, NO WARRANTY IS GIVEN CONCERNING THE EFFECTIVENESS OF THE MATERIALS USED, RECOMMENDATIONS GIVEN, OR THE RESULTS OF THE SERVICES RENDERED.

9. Data Interpretation and Transmission. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY, DSI CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION. DSI does not warrant the accuracy of data transmitted by electronic processes, and will not be responsible for accidental or intentional interception of such data by others. DSI does not guarantee the safe storage or the length of time of storage of any digital tapes, optical logs or prints, transparencies, or other similar products or material.

10. Indemnity. For the purposes of this paragraph 10 the following definitions shall apply: "DSI Group" shall mean DSI its parent, subsidiary and affiliated companies, its contractors and subcontractors and all such entities officers, directors, employees and agents; and "Customer Group" shall mean Customer, its parent, subsidiary and affiliated companies, its contractors and subcontractors (other than the DSI Group and all such entities officers, directors, employees and agents).

A. DSI Indemnity. DSI assumes all liability for, and hereby agrees to protect, defend, indemnify and hold Customer Group and their insurers harmless from and against all damage, loss, liability, claims, demands and causes of action of every kind and character, (including all costs and expenses thereof and reasonable attorney's fees) without regard to the cause or causes thereof, the unseaworthiness of any vessel, strict liability or the negligence of any party, whether such negligence be the sole, concurrent, active or passive negligence of Customer Group, arising in connection herewith, on account of bodily injury and/or death to a member of the DSI Group and/or damage to the DSI Group's property (except with respect to DSI property as otherwise provided in subparagraph B2 of this paragraph 10).

B. Customer Indemnity. Customer assumes all liability for, and hereby agrees to protect, defend, indemnify and hold the DSI Group and their insurers harmless from and against all damage, loss, liability, claims, demands and causes of action of every kind and character, (including all costs and expenses thereof and reasonable attorney's fees) without regard to the cause or causes thereof, the unseaworthiness of any vessel, strict liability or the negligence of any party, whether such negligence be the sole, concurrent, active or passive negligence of DSI Group, arising in connection herewith:

1. on account of bodily injury and/or death to a member of the Customer Group and/or damage to the Customer Group's property.

2. in favor of DSI Group on account of loss of or damage to DSI property, equipment, materials or products, including but not limited to, fishing expenses, when such loss or damage occurs: (a) in the hole, (b) as a result of uncontrolled well conditions, (c) while in transit or being moved on any form of transportation owned or furnished by Customer, (d) while located at the well site when DSI personnel are not present or (e) while being used by any person other than a DSI employee, whether in an emergency or otherwise. With respect hereto the property, equipment, materials and products will be valued at their respective landed replacement cost. With respect to (a) above, rental charges on the equipment lost or damaged in the hole shall continue to be paid up to and including the date on which DSI receives notice in writing of the loss or damage.

C. Special Indemnity. Customer further agrees to protect, defend, indemnify, and hold DSI Group and their insurers harmless from and against all loss, liability, claims, demands and causes of action (including all costs and expenses thereof and reasonable attorney's fees) of every kind and character, without regard to the cause or causes thereof, the unseaworthiness of any vessel, strict liability or the negligence of any party, whether such negligence be the sole, concurrent, active or passive negligence (but excluding the gross negligence) of DSI Group, arising in connection herewith in favor of Customer Group or any third party for: (1) property damage or loss that results from blow-out or cratering; (2) property damage or loss that results from pollution and contamination, whether caused by Customer's failure to properly handle, transport or dispose of any Chemicals as required by paragraph 6B hereof or otherwise, including containment, clean-up and remediation of the pollutant and contamination, whether or not required by any applicable federal, state or local law or regulation; (3) property damage or loss that results from reservoir or underground damage, including loss of oil, gas, other mineral substance, or water or the well bore itself, surface damage arising from subsurface damage or subsea damage; (4) personal injury, death, or property damage or loss that results from work performed to control a wild well; (5) cost of control of a wild well underground or above the surface, including any redrilling or reworking costs; (6) damage to property owned by, in the possession of, or leased by Customer, and/or well owner, if different from Customer, (the term "well owner" shall include working and royalty interest owners) (a) any drilling, rig platform or other structure at the well site; or (7) subsurface trespass or any action in the nature thereof.

To the extent this paragraph 10C conflicts with the provisions of paragraph 10A hereof, paragraph 10C shall control. The indemnification provided herein shall not operate to increase any standard of responsibility limited by other provisions of these General Terms and Conditions.

D. Notices. Each party agrees to immediately notify the other party of any claim, demand or suit presented to or served upon it by any person or entity in connection with the performance of this Agreement. The party seeking indemnification shall afford the other party full opportunity to assume the defense of such claim, demand, or suit and to protect itself under the obligations of this paragraph.

E. Incidental or Consequential Damages. It is expressly agreed that neither party shall be liable to the other for any punitive, incidental, consequential, indirect or special damages, nor for any loss of profits or business interruptions or loss of use.

11. Insurance. Customer's and DSI's indemnity obligations under paragraph 10 hereof shall be supported by adequate liability insurance coverage, or self-insurance (if it meets the requirements set forth below) furnished by each party at such party's cost with contractual indemnity endorsements. The amounts of insurance required from each party hereunder shall be equal; each party's indemnity obligations shall be limited to the highest amount of insurance coverage mutually carried by both parties hereunder.

In the event either party maintains a plan(s) of self-insurance to insure any part of the risks otherwise covered by the insurances required hereunder, such plan of self-insurance shall not satisfy the requirements of this paragraph unless an authorized representative of the party not requesting to be self-insured expressly consents in writing to the requesting party's use of such plan(s) of insurance. If it is judicially determined that the insurance required under this paragraph or the indemnity obligations voluntarily assumed under paragraph 10 hereof and supported either by available liability insurance or voluntarily self-insured, in part or whole, exceeds the maximum amounts of insurance or indemnity permitted under applicable law, it is agreed that said insurance requirements or indemnity shall automatically be amended to conform to the maximum amounts permitted under applicable law.

12. Force Majeure. DSI shall not be liable for any delay or non-performance due to governmental regulation, labor disputes, hostile action, weather, fire, acts of God, or any other causes beyond the reasonable control of DSI.

13. Dispute Resolution. If this Service Order is issued in conjunction with an executed DSI Master Service Agreement-Oilfield Services then all controversies shall be resolved as set forth therein. In the absence of such agreement DSI and Customer shall settle all disputes and claims arising out of these General Terms and Conditions under the Commercial Rules of the American Arbitration Association, as then in force, by one or more arbitrators appointed in accordance with said rules. The place of arbitration shall be Houston, Texas. Any award or determination of the arbitration tribunal shall be final and conclusive, judgment thereon may be entered in any court of competent jurisdiction and no appeal thereof shall be made by the parties.

14. Governing Law. These General Terms and Conditions shall be governed by the law of the state where the services are performed or equipment furnished; however, where services are performed or equipment furnished offshore or on navigable waters, the Federal Maritime Laws will govern.