

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- 189-21760 ⁰⁰⁻⁰⁰
County Stevens
 - NW - SE - SE Sec. 29 Twp. 33S Rge. 37 E
 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

1250 Feet from S/N (circle one) Line of Section
1250 Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Purchaser: Spot Market
Operator Contact Person: Sharon Cook
Phone (316) 626-1142
Contractor: Name: Cheyenne Drilling
License: 5382
Wellsite Geologist: L. J. Reimer

Lease Name W. B. Crawford #2 Unit Well # 4
Field Name Hugoton
Producing Formation Chase
Elevation: Ground 3130 KB 3141
Total Depth 2978 PBDT 2959
Amount of Surface Pipe Set and Cemented at 1408 Feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set NA Feet
If Alternate II completion, cement circulated from NA
feet depth to NA w/ NA sx cmt.

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan ALT 1 1-9-96 SK
(Data must be collected from the Reserve Pit)

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.
9-7-94 9-10-94 10-17-94
Spud Date Date Reached TD Completion Date

Chloride content 14,000 ppm Fluid volume 420 bbls
Dewatering method used Waste Minimization Mud System
Location of fluid disposal if hauled offsite:
Operator Name Mobil Oil Corporation
Lease Name Hill #3 SWD License No. 5208
SW Quarter Sec. 3 Twp. 33 S Rng. 37 E/W
County Stevens Docket No. CD-117,710

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 12-15-94
Subscribed and sworn to before me this 15th day of December,
19 94.
Notary Public Kathleen R. Poulton
Date Commission Expires August 18, 1998

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



SIDE TWO

Operator Name Mobil Oil Corporation Lease Name W. B. Crawford #2 Unit Well # 4

Sec. 29 Twp. 33S Rge. 37 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 - SFL Linear Correlation
 Compensated Neutron Lithodensity - GR
 Natural Gamma Ray Spectrometry

| Name | Formation (Top), Depth and Datums | | Sample |
|---------------|-----------------------------------|-------|--------|
| | Top | Datum | |
| Glorietta | -- | -- | |
| Stone Corral | 1678 | 1742 | |
| Chase | 2578 | -- | |
| Council Grove | -- | -- | |

| 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# | 1408 | Class C | 400 sx 175 sx | 50:50 C/poz 50:50 C/poz |
| Production Casing | 7.875 | 5.500 | 14# | 2972 | Class C | 300 sx 150 sx | 3% D79 2% B28 |

| ADDITIONAL CEMENTING/SQUEEZE RECORD | | | | |
|---|------------------|----------------|-------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input checked="" type="checkbox"/> Perforate | 2850-54 | Class C | 150 sx | 2% B28 |
| <input type="checkbox"/> Protect Casing | 2490-92 | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <input type="checkbox"/> Plug Off Zone | | | | |

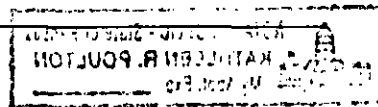
| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth | |
|----------------|---|---------|---|---------------------------|
| | 1 SPF | 2640-70 | 2770-90 | Acid: 1,500 gals 7.5% HCL |
| | 2694-2720 | | Frac'd: 34,000 gals Crosslink gel (20#) 95,000 lbs 10/20 sand | |
| | 2730-40 | | | |
| | 2755-65 | | | |

| TUBING RECORD | | Size | Set At | Packer At | Liner Run | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
|--|-----------|--|-------------|---------------|-----------|---|--|
| Date of First, Resumed Production, SWD or Inj. 10-17-94 | | Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | | | | | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity | | |
| | | 405 | | | | | |

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: _____ 2640 _____ 2790 _____



DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

D.S.I. REPRESENTATIVE

OILFIELD SERVICES

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.

03-12-6433

DSI SERVICE LOCATION NAME AND NUMBER

Ulysses, Ks. 07-12

CUSTOMER NUMBER

CUSTOMER P.O. NUMBER

TYPE SERVICE CODE

BUSINESS CODES

271

CUSTOMER'S
NAME

Mobil Oil Corp

ORIGINAL

WORKOVER W
NEW WELL N
OTHER

API OR IC NUMBER

ADDRESS

CITY, STATE AND
ZIP CODE

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.

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS

| | | | | |
|-----------------|-----|-----|-----|------|
| ARRIVE LOCATION | MO. | DAY | YR. | TIME |
| | 9 | 8 | 94 | 0500 |

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 |
| | 9 | 8 | 94 | 1030 |

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]

STATE CODE COUNTY / PARISH CODE CITY

Ks. Stevens

WELL NAME AND NUMBER / JOB SITE

Crawford #2-4

LOCATION AND POOL / PLANT ADDRESS

Sec 29-33s-37w

SHIPPED VIA

Dowell

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|--------|----------|------------|-----------|
| 059200-002 | mileage | mi. | 33 | 2.95 | 97.35 |
| 059697-000 | PAIP chg | EA | 1 | 159.00 | 159.00 |
| 102871-015 | PUMP chg | EA | 1 | 1110.00 | 1110.00 |
| 049102-000 | hauling | trucks | 873 | 1.00 | 873.00 |
| 049100-000 | scraper chg | cu ft | 646 | 1.36 | 878.56 |
| 040003-000 | D903 class C | SK | 288 | 9.06 | 2609.28 |
| 045008-000 | D35 mixer | SK | 287 | 4.39 | 1254.93 |
| 045004-050 | D44 salt | lb. | 2068 | .13 | 268.84 |
| 045014-050 | D70 gal | lb. | 2690 | .17 | 457.30 |
| 067005-100 | catch | lb. | 294 | .40 | 117.60 |
| 044003-025 | D29 roll up hand. tapes | lb. | 144 | 1.77 | 254.88 |
| 056702-08 | top plug | EA | 1 | 105.00 | 105.00 |

SERVICE ORDER RECEIPT

RECEIVED
STATE CORPORATION COMMISSION

DEC 21 1994

CONSERVATION DIVISION
WICHITA, KANSAS

Thanks For using Dowell

SUB TOTAL

Field esti 8190.74

LICENSE/REIMBURSEMENT FEE

LICENSE/REIMBURSEMENT FEE

REMARKS:

STATE % TAX ON \$

COUNTY % TAX ON \$

CITY % TAX ON \$

SIGNATURE OF DSI REPRESENTATIVE

TOTAL \$

[Signature]

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 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.

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 05-12-6433
 DATE: 9-8-94
 STAGE: DS DISTRICT: Wilkes, KS

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

WELL NAME AND NO.: Crawford # 2-4
 LOCATION (LEGAL): Sec. 29-335-37w

FIELD-POOL: _____
 FORMATION: _____

COUNTY/PARISH: Stevens
 STATE: Ks.
 API. NO.: _____

NAME: Mobil Oil Corp
 AND: _____
 ADDRESS: _____
 ZIP CODE: _____

SPECIAL INSTRUCTIONS: _____

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE: 579 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT: _____ PSI BUMP PLUG TO: 1230 PSI
 ROTATE: _____ RPM RECIPROCATATE _____ FT No. of Centralizers _____

RIG NAME: Choyano #4
 WELL DATA: _____
 BIT SIZE: 12 1/4 CSG/Liner Size: 8 7/8
 TOTAL DEPTH: 18 WEIGHT: 24
 ROT CABLE FOOTAGE: 1508
 MUD TYPE: _____ GRADE: JSS
 BHST BHCT THREAD: 8ed
 MUD DENSITY: _____ LESS FOOTAGE SHOE JOINT(S): 43
 MUD VISC.: _____ Disp. Capacity: 87

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

| Float | TYPE | DEPTH | Stage Tool | TYPE | DEPTH |
|-------|----------------------------|-------------|------------|------|-------|
| | <u>14 spot float valve</u> | <u>1365</u> | | | |
| | <u>cm. nose</u> | <u>1408</u> | | | |

Head & Plugs: TBG D.P. SQUEEZE JOB
 Double SIZE: _____ TOOL TYPE: _____
 Single WEIGHT: _____ DEPTH: _____
 Swage GRADE: _____ TAIL PIPE: SIZE _____ DEPTH _____
 Knockoff THREAD: _____ TUBING VOLUME _____ Bbls
 TOP R W NEW USED CASING VOL. BELOW TOOL _____ Bbls
 BOT R W DEPTH _____ TOTAL _____ Bbls
 ANNUAL VOLUME _____ Bbls

| TIME | PRESSURE | | VOLUME PUMPED BBL | | JOB SCHEDULED FOR | | | ARRIVE ON LOCATION | | LEFT LOCATION | |
|------|-------------|--------|-------------------|-----|-------------------|------------------|------|--------------------|------|---------------|--|
| | TBG OR D.P. | CASING | INCREMENT | CUM | TIME | DATE | TIME | DATE | TIME | DATE | |
| 0938 | 2500 | | | | 8:50 | 9-8-94 | 0500 | 9-8-94 | 1200 | 9-8-94 | |
| 0940 | 0 | 25 | | | 5.9 | H ₂ O | | | | | |
| 0943 | 240 | | | | 5.9 | cm. | 12.2 | | | | |
| 0946 | 130 | 157 | | | 5.9 | cm. | 12.2 | | | | |
| 0956 | 270 | | 66 | | 5.9 | cm. | 12.2 | | | | |
| 1008 | 290 | 37 | | | 5.8 | cm. | 14.8 | | | | |
| 1012 | 390 | | 20 | | 5.8 | cm. | 14.8 | | | | |
| 1015 | 0 | | | | | | | | | | |
| 1016 | 0 | 87 | | | 5.9 | H ₂ O | | | | | |
| 1020 | 260 | | 20 | | 5.9 | H ₂ O | | | | | |
| 1023 | 380 | | 40 | | 5.9 | | | | | | |
| 1026 | 460 | | 55 | | 5.9 | | | | | | |
| 1028 | 590 | | 70 | | 5.9 | | | | | | |
| 1030 | 770 | | 80 | | 2 | | | | | | |
| 1032 | 670 | | 86 | | 2 | | | | | | |
| 1032 | 1230 | | 87 | | 2 | | | | | | |
| 1033 | | | | | | | | | | | |

REMARKS: _____
 PRE-JOB SAFETY MEETING PSI Test
 start H₂O ahead
 shut down batch mix cm.
 start lead cm.
 psi check
 start tail cm.
 psi check
 shut down drop top plug
 start displacement
 psi check
 " "
 cm. to surface
 psi check
 lower rate
 psi check
 bump top plug
 bleed psi of check float & holding
 PHD; JB

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | | | | SLURRY MIXED | |
|-------------|--------------|-----------------|----------------------------------|---|-------|------|--------------|---------|
| | | | 1 | 2 | 3 | 4 | BBLs | DENSITY |
| 1. | 400 | 2.20 | 50 ^c | 30 pol + 6% gal + 5% D ₄ | 156.7 | 12.2 | | |
| 2. | | | | | | | | |
| 3. | 175 | 1.20 | 50 ^c | 30 pol + 2% calz + .75% gal + 4% D ₂ | 37.4 | 14.8 | | |
| 4. | | | | | | | | |
| 5. | | | | | | | | |
| 6. | | | | | | | | |

BREAKDOWN FLUID TYPE: _____ VOLUME: _____ DENSITY: _____ PRESSURE: _____ MAX. _____ MIN. _____
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST: _____ YES NO Cement Circulated To Surf. YES NO 32 Bbls
 BREAKDOWN: _____ PSI FINAL: _____ PSI DISPLACEMENT VOL.: 87 Bbls
 Washed Thru Perfs YES NO TO _____ FT. MEASURED DISPLACEMENT _____ WIRELINE
 PERFORATIONS: _____ TO _____ TO _____ CUSTOMER REPRESENTATIVE: Joe Davis DS SUPERVISOR: James Esquivel

ORIGINAL

DEC 21 1994

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

OILFIELD SERVICES

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.

0312-6443

DSI SERVICE LOCATION NAME AND NUMBER

UKS 03-12

CUSTOMER NUMBER

CUSTOMER P.O. NUMBER

TYPE SERVICE CODE

BUSINESS CODES

CUSTOMER'S
NAME

MOBIL OIL CORP.

ADDRESS

CITY, STATE AND
ZIP CODE

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.

Pump 300 ox lead drum @ 11.5 ppg followed by 150 ox tail drum @ 14.8 ppg. Displace behind top rubber plug with 71.4 BSL water as instructed by company representative

ORIGINAL

WORKOVER
NEW WELL
OTHER

W
 N
 S

API OR IC NUMBER

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS

| ARRIVE LOCATION | MO. | DAY | YR. | TIME |
|-----------------|-----|-----|-----|-------|
| | 9 | 10 | 94 | 17:00 |

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 |
|----------------|-----|-----|-----|-------|
| | 9 | 10 | 94 | 21:30 |

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]

STATE

KANSAS

CODE

COUNTY / PARISH

STEVENS

CODE

CITY

HUGOTON

WELL NAME AND NUMBER / JOB SITE

CRAWFORD # 2-4

LOCATION AND POOL / PLANT ADDRESS

SHIPPED VIA

DOWELL

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|--------|----------|------------|-----------|
| 059200-002 | MILEAGE | mi | 33 | 2.95 | 97.35 |
| 102871-030 | PUMP CHARGE | EA | 1 | 1390.00 | 1390.00 |
| 049102-000 | HAULING CHARGE | TON mi | 726 | 1.00 | 726.00 |
| 049100-000 | SERVICE CHARGE | unit | 467 | 1.36 | 635.12 |
| 059697-000 | PACK CHARGE | EA | 1 | 159.00 | 159.00 |
| 056704-054 | 5/2" TOP RUBBER PLUG | EA | 1 | 120.00 | 120.00 |
| 040003-000 | D903 - CLAM C CRT | unit | 450 | 9.06 | 4077.00 |
| 045041-100 | D79 Extender | 16 | 846 | 1.44 | 1218.24 |
| 047002-050 | D46 Anti-foam | 16 | 85 | 3.41 | 289.85 |
| 103368-050 | B28 Cement 'O' Ring | 16 | 282 | 3.34 | 941.88 |
| 044002-050 | D60 FAC | 16 | 85 | 8.61 | 731.85 |
| 067005-100 | S001 Calcium chloride | 16 | 282 | 0.40 | 112.80 |
| 044003-025 | D29 Cellulose Flakes | 16 | 75 | 1.77 | 132.75 |
| Field Estimate | | | | | 10,511.84 |

SERVICE RECEIPT

RECEIPT

Field Estimate
OIL FIELD COMMISSION

DEC 21 1994

SUB TOTAL

Thanks for calling Dowell

LICENSE/REIMBURSEMENT FEE

REMARKS:

STATE % TAX ON \$
COUNTY % TAX ON \$
CITY % TAX ON \$

SIGNATURE OF DSI REPRESENTATIVE

[Signature]

TOTAL \$

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;

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 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.

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.

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

0312-6443

DATE

7/10/94

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

PAGE

DS

DISTRICT

U.S. - 03-12

| | | | | | |
|--|--|---------------------------|--|--------------------------------|--|
| WELL NAME AND NO. CRAWFORD # 2-4 | | LOCATION (LEGAL) | | RIG NAME: CHEYANE #4 | |
| FIELD-POOL HUGOTON | | FORMATION CHASE | | WELL DATA: BOTTOM TOP | |
| COUNTY/PARISH STEVENS | | STATE KS | | API. NO. | |

| | | | | | |
|--------------------------------|--|------------------------|--|--|--|
| NAME MOBIL OIL CORP. | | MUD TYPE | | GRADE | |
| AND | | MUD DENSITY 8.6 | | LESS FOOTAGE SHOE JOINT(S) 46.5 | |
| ADDRESS | | MUD VISC. | | Disp. Capacity 71.4 | |

ZIP CODE

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

SPECIAL INSTRUCTIONS
Pump 300 rx lead @ 11.5 l/s followed by 150 rx Tail @ 14.8 l/s. Displace lead w/ top water plug with 31.4 BBL water as instructed by Company representative

| | | | |
|---------------------------|--|---|--|
| IS CASING/TUBING SECURED? | <input type="checkbox"/> YES <input type="checkbox"/> NO | CASING WEIGHT ÷ SURFACE AREA (3.14 x R ²) | |
| LIFT PRESSURE | 1752 PSI | CUMULATIVE VOLUME | |
| PRESSURE LIMIT | 2500 PSI | BUMP PLUG TO 500 over PSI | |
| ROTATE | RPM RECIPROCAT | FT No. of Centralizers | |

| | | | | | |
|------|----------|-------------------|---|--|---------------------------|
| TIME | PRESSURE | VOLUME PUMPED BBL | JOB SCHEDULED FOR TIME: 17:00 DATE: 9/10/94 | ARRIVE ON LOCATION TIME: 17:00 DATE: 9/10/94 | LEFT LOCATION TIME: DATE: |
|------|----------|-------------------|---|--|---------------------------|

| TIME | TBG OR D.P. | CASING | VOLUME PUMPED BBL | | INJECT RATE | FLUID TYPE | FLUID DENSITY | SERVICE LOG DETAIL | |
|-------|-------------|--------|-------------------|-----|-------------|------------------|---------------|------------------------|--|
| | | | INCREMENT | CUM | | | | PRE-JOB SAFETY MEETING | |
| 20:30 | | | | | | | | PRE-JOB SAFETY MEETING | |
| 20:38 | | 1800 | | | | H ₂ O | 8.3 | Pressure test lines | |
| 20:44 | | 70 | 10 | 10 | 4.0 | H ₂ O | 8.3 | Pump water ahead | |
| 20:46 | | 150 | 45 | 35 | 4.0 | lead | 11.5 | Start lead slurry | |
| 21:00 | | 1600 | 70 | 60 | 1.0 | lead | 11.5 | No leak | |
| 21:15 | | 3000 | | 0 | 0 | | | Stop pumps. End job | |
| 21:30 | | 0 | | 0 | 0 | | | bleed off pressure | |

REMARKS *Circulation was lost while pumping mud prior to cement job.*

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | | | | SLURRY MIXED | |
|-------------|--------------|-----------------|--|---------|--|--|--------------|------|
| | | | BBL | DENSITY | | | | |
| 1. | 300 | 2.75 | Class C + 3/1.079 + 0.2/1.046 + 1/4 #/sk D29 | | | | | 11.5 |
| 2. | 150 | 1.37 | Class C + 2/1.828 + 2/1.51 + 0.6/1.060 + 0.2/1.046 | | | | | 14.8 |
| 3. | | | | | | | | |
| 4. | | | | | | | | |
| 5. | | | | | | | | |
| 6. | | | | | | | | |

| | | | | | |
|---|--|---|--|---|------|
| BREAKDOWN FLUID TYPE | VOLUME | DENSITY | PRESSURE | MAX. | MIN: |
| <input type="checkbox"/> HESITATION SQ. | <input type="checkbox"/> RUNNING SQ. | <input type="checkbox"/> CIRCULATION LOST | <input type="checkbox"/> YES <input type="checkbox"/> NO | Cement Circulated To Surf. <input type="checkbox"/> YES <input type="checkbox"/> NO | |
| BREAKDOWN | PSI | FINAL | PSI | DISPLACEMENT VOL. Bbls | |
| Washed Thru Perfs | <input type="checkbox"/> YES <input type="checkbox"/> NO | TO | FT. | MEASURED DISPLACEMENT <input type="checkbox"/> WIRELINE | |

PERFORATIONS TO TO

CUSTOMER REPRESENTATIVE *S. J. Davis*

DS SUPERVISOR *T. J. ...*

DOWELL SCHLUMBERGER INCORPORATED
 P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

OILFIELD SERVICES

DSI SERVICE ORDER
 RECEIPT AND INVOICE NO.
 6471

CUSTOMER NUMBER

CUSTOMER P.O. NUMBER

DSI SERVICE LOCATION NAME AND NUMBER
 0145585 KS

TYPE SERVICE CODE

BUSINESS CODES

CUSTOMER'S
 NAME

Mobil

ADDRESS

ORIGINAL

WORKOVER
 NEW WELL
 OTHER

W
 N

API OR IC NUMBER

CITY, STATE AND
 ZIP CODE

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.

Cmt squeeze as per Customer's orders

IMPORTANT
 SEE OTHER SIDE FOR TERMS & CONDITIONS
 ARRIVE LOCATION MO. DAY YR. TIME
 9 21 94 1030

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
 X [Signature]

JOB COMPLETION MO. DAY YR. TIME
 9 21 94 1600

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
 X [Signature]

STATE CODE COUNTY / PARISH CODE CITY
 KANSAS Stevens

WELL NAME AND NUMBER / JOB SITE
 Crawford

LOCATION AND POOL / PLANT ADDRESS

SHIPPED VIA

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-----------|
| 102872-025 | Pump Chg | EA | 1 | 1340.00 | 1340.00 |
| 49102-000 | Delivery Chg | TRM | 220 | 1.00 | 220.00 |
| 49100-000 | Service Chg | P3 | 152 | 1.36 | 206.72 |
| 59697-000 | PACK | EA | 1 | 159.00 | 159.00 |
| 59200-002 | Milage | mi | 30 | 2.95 | 88.50 |
| 48020-000 | X tra hrs pump | Hr | 4 | 220.00 | 880.00 |
| 48019-000 | X tra hrs bulk truck | Hr | 4 | 27.21 | 228.96 |
| 40003-000 | "C" cmt | P3 | 150 | 9.06 | 1359.00 |
| 67005-100 | SI CAC12 | # | 141 | .40 | 56.40 |
| 103368-050 | 308 Expander | # | 282 | 3.34 | 941.88 |
| 47002-050 | D46 Antifoam | # | 28 | 3.41 | 95.48 |
| 44002-050 | D60 FA | # | 85 | 8.61 | 731.85 |

field est
 0307.79
 less disc. = 4856.99

SUB TOTAL

LICENSE/REIMBURSEMENT FEE

LICENSE/REIMBURSEMENT FEE

REMARKS:

Thanks for using Dowell
 Greg + crew

STATE
 COUNTY % TAX ON \$
 CITY % TAX ON \$
 % TAX ON \$

SIGNATURE OF DSI REPRESENTATIVE

Greg Black

TOTAL \$

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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 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.

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

DATE

0111

9/21/94

STAGE

DS

DISTRICT

UKS

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

| | | | | | |
|--------------------------------------|--|---------------------------|--|----------------------------|--|
| WELL NAME AND NO. <i>Crawford</i> | | LOCATION (LEGAL) | | RIG NAME: <i>Gbeans</i> | |
| FIELD-POOL <i>Hogdon</i> | | FORMATION <i>Chase</i> | | WELL DATA: | |
| COUNTY/PARISH <i>Stevens</i> | | STATE <i>Kansas</i> | | API. NO. | |
| NAME <i>mobil</i> | | MUD TYPE | | GRADE | |
| AND | | MUD DENSITY | | LESS FOOTAGE SHOE JOINT(S) | |
| ADDRESS | | MUD VISC. | | Disp. Capacity | |
| ZIP CODE | | TOTAL | | TOTAL | |

ORIGINAL

SPECIAL INSTRUCTIONS

*softer cmt squeeze well
As per customer orders*

| | | | | |
|---|--|---|------------------------|---------------------------|
| IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | HEAD & PLUGS | <input checked="" type="checkbox"/> TBG <input type="checkbox"/> D.P. | SQUEEZE JOB | |
| LIFT PRESSURE PSI | <input type="checkbox"/> Double | SIZE <i>2 7/8</i> | TOOL TYPE | <i>Retainer (stablon)</i> |
| PRESSURE LIMIT <i>200</i> PSI | <input type="checkbox"/> Single | WEIGHT <i>6.5</i> | DEPTH | <i>2480 did not use</i> |
| ROTATE RPM | <input type="checkbox"/> Swage | GRADE | TAIL PIPE: SIZE | <i>5/8 DEPTH ± 390</i> |
| RECIPROCATATE | <input type="checkbox"/> Knockoff | THREAD <i>8/10</i> | TUBING VOLUME | <i>16.4</i> Bbls |
| FT | TOP <input type="checkbox"/> OR <input type="checkbox"/> W | <input type="checkbox"/> NEW <input checked="" type="checkbox"/> USED | CASING VOL. BELOW TOOL | <i>2</i> Bbls |
| No. of Centralizers | BOT <input type="checkbox"/> OR <input type="checkbox"/> W | DEPTH | TOTAL | <i>16.6</i> Bbls |
| | | | ANNUAL VOLUME | Bbls |

| TIME | PRESSURE | | VOLUME PUMPED BBL | | JOB SCHEDULED FOR | | | ARRIVE ON LOCATION | | LEFT LOCATION | | SERVICE LOG DETAIL |
|--------------|-------------|--------|-------------------|-----|-------------------|------------------|------|--------------------|------|---------------|--|---|
| | TBG OR D.P. | CASING | INCREMENT | CUM | TIME | DATE | TIME | DATE | TIME | DATE | | |
| 0001 to 2400 | | | | | | | | | | | | |
| 11:46 | 3500 | NA | | | | | | | | | | PRE-JOB SAFETY MEETING <i>last line</i> |
| 12:15 | 2500 | | 10 | | 2 | H ₂ O | 8.33 | | | | | <i>Jh; Rate - did not circ</i> |
| 13:00 | | | | | 2 | H ₂ O | 8.33 | | | | | <i>Break Top perf</i> |
| 13:15 | 300 | | 20 | | 3 | H ₂ O | 8.33 | | | | | <i>Circulated through 8 7/8</i> |
| 14:31 | 300 | | 10 | | 2 | H ₂ O | 8.33 | | | | | <i>Clean 8 7/8</i> |
| 14:51 | 110 | | 10 | | 2 | H ₂ O | 8.33 | | | | | <i>Try to circulate perf again</i> |
| 15:26 | 300 | | 25 | | 3 | H ₂ O | 8.33 | | | | | <i>Try to " Bottom Thru 8 7/8</i> |
| 15:35 | 100 | | 36 | | 3 | Cmt | 14.6 | | | | | <i>Ramp H₂O : Break circ</i> |
| 15:48 | 280 | | 15 | | 3 | H ₂ O | 8.33 | | | | | <i>start cmt</i> |
| 15:52 | 80 | | | | | | | | | | | <i>flush</i> |
| | | | | | | | | | | | | <i>shut down + shut in tubing</i> |
| | | | | | | | | | | | | <i>Did not inject squeeze</i> |
| | | | | | | | | | | | | <i>Circulated Top perf to surface</i> |

REMARKS

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | | | | SLURRY MIXED | |
|-------------|--------------|-----------------|---|--|--|--|--------------|---------|
| | | | | | | | BBLs | DENSITY |
| 1. | 150 | 1.37 | <i>C' cmt + 2% 828 + 1% 21 + 6% D60 + .2% D16</i> | | | | 36.6 | 14.8 |
| 2. | | | | | | | | |
| 3. | | | | | | | | |
| 4. | | | | | | | | |
| 5. | | | | | | | | |
| 6. | | | | | | | | |

| | | | | | | | |
|---|--------------------------------------|------------------|--------------|---|---|-------------------|---------------|
| BREAKDOWN FLUID TYPE | | VOLUME | | DENSITY | PRESSURE | MAX. <i>200</i> | MIN: <i>0</i> |
| <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 type="checkbox"/> NO Bbls. | | |
| BREAKDOWN | | PSI | FINAL | PSI | DISPLACEMENT VOL. | | Bbls |
| Washed Thru Perfs <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | TO | FT. | MEASURED DISPLACEMENT | <input type="checkbox"/> WIRELINE | TYPE OF WELL | |
| PERFORATIONS | | TO <i>3800</i> | TO <i>51</i> | CUSTOMER REPRESENTATIVE | | DS SUPERVISOR | |
| | | TO <i>2490</i> | TO <i>92</i> | <i>Volund Yang Blood</i> | | <i>Greg Black</i> | |