

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- 189-21785-0000

County Stevens
- SE - NW - SW Sec. 34 Twp. 32S Rge. 36 X W E

Operator: License # 5208

1500 Feet from S (circle one) Line of Section

Name: Mobil Oil Corporation

1250 Feet from E (circle one) Line of Section

Address P.O. Box 2173

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

2319 North Kansas Avenue

Lease Name Siegmund #1 Unit Well # 3

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 3026 KB 3037

Phone (316) 626-1142

Total Depth 2942 PBDT 2890

Contractor: Name: Cheyenne Drilling

Amount of Surface Pipe Set and Cemented at 634 Feet

License: 5382

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: L. J. Reimer

If yes, show depth set NA Feet

Designate Type of Completion

If Alternate II completion, cement circulated from NA

X New Well Re-Entry Workover

feet depth to NA w/ NA sx cmt.

Oil SWD SLOW Temp. Abd.

Drilling Fluid Management Plan ALT 1 294 10-26-95
(Data must be collected from the Reserve Pit)

X Gas ENHR SIGW

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

If Workover:

Chloride content 17,200 ppm Fluid volume 190 bbls

Operator: _____

Dewatering method used Waste Minimization Mud System

Well Name: _____

Location of fluid disposal if hauled offsite:

Comp. Date _____ Old Total Depth _____

Operator Name Mobil Oil Corporation

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBDT

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

Lease Name Hill #3 SWD License No. 5208

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

10-3-94 10-6-94 11-5-94

Spud Date Date Reached TD Completion Date

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 1-16-95

Subscribed and sworn to before me this 16th day of January JAN 1 1995.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998

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



SIDE TWO

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

Sec. 34 Twp. 32S Rge. 36 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>1204</td> <td>1376</td> </tr> <tr> <td>Stone Corral</td> <td>1676</td> <td>1737</td> </tr> <tr> <td>Chase</td> <td>2573</td> <td>2891</td> </tr> <tr> <td>Council Grove</td> <td>2891</td> <td>--</td> </tr> </tbody> </table>	Name	Top	Datum	Glorietta	1204	1376	Stone Corral	1676	1737	Chase	2573	2891	Council Grove	2891	--
Name	Top		Datum														
Glorietta	1204		1376														
Stone Corral	1676		1737														
Chase	2573		2891														
Council Grove	2891	--															
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 Caliper
 Z-Densilog Compensated Neutron Spectralog
 Caliper Log - Gamma Ray

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#	634	Class C Class C	150 sx 175 sx	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2932	Class C Class C	220 sx 200 sx	3% D79 2% B28

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	2620-46	Acid: 1,000 gals 7.5% HCL	
	2665-96	Frac'd: 66,500 lbs 12/20 Brady Sand 32,130 gals 15# Crosslink gel	
	2706-16		
	2724-50		

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. 11-5-94		None					
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 365 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 Other (Specify)

Production Interval: 2620 to 2750

2-2-95
 1-1-95
 1-1-95

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

OILFIELD SERVICES

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.
03 12 6522

DSI SERVICE LOCATION NAME AND NUMBER
WYSSER, KANSAS 03 12

CUSTOMER NUMBER
CUSTOMER P.O. NUMBER

TYPE SERVICE CODE
289
BUSINESS CODES

CUSTOMER'S NAME
Mobil Oil Corp.
ADDRESS
ORIGINAL
CITY, STATE AND ZIP CODE

WORKOVER W
NEW WELL N
OTHER O
API OR IC NUMBER

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS
ARRIVE LOCATION
MO. DAY YR. TIME
10 06 94 21:00

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
X [Signature]

JOB COMPLETION
MO. DAY YR. TIME
10 07 94 01:05

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]

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.
SARAY CEMENT 2932 FT. OF 5 1/2" CASING WITH 220 SXS OF LEAD AND 200 SXS OF TAIL CEMENT AS DIRECTED BY CUSTOMER.

STATE **KANSAS** CODE COUNTY / PARISH **STEVENSON** CODE CITY

WELL NAME AND NUMBER / JOB SITE
SIEGMUND # 1-3
LOCATION AND POOL / PLANT ADDRESS
SEC. 34-325-36W

SHIPPED VIA
Dowell

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
MATERIALS					
040003 000	D903 CLASS C CEMENT	CFT	420	9.06	3805.20
045041 100	D79 CHEMICAL EXTENDER	lb.	620	1.44	892.80
047002 050	D46 ANTIFOAM Agent	lb.	79	3.41	269.39
044003 025	D29 CELLULOSE FLAKES	lb.	55	1.77	97.35
103368 050	B28 EXPANDING CEMENT	lb.	376	3.34	1255.84
067005 100	S1 CALCIUM CHLORIDE	lb.	376	0.40	150.40
044002 050	D60 PLAC	lb.	113	8.61	972.93

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
SERVICES					
102871 030	Pump Charge	EA	1	1390.00	1390.00
059200 002	MILAGE (PUMP)	MT	33	2.95	97.35
049102 006	DELIVERY CHARGE	TM	678	1.00	678.00
049100 000	SERVICE CHARGES	CFT	436	1.36	592.96
059697 000	PACL REORDER	EA	1	159.00	159.00
048601 000	CEMENT HEAD	EA	1	70.00	70.00

056704 054	5 1/2" CASING HARDWARE TOP PLUG	EA	1	120.00	120.00
RECEIPT					
DISCOUNT 381.					

FIELD ESTIMATE \$ 10,481.22 w/ DISCOUNT \$6498.36 SUB TOTAL

LICENSE/REIMBURSEMENT FEE

REMARKS: **Thank you for using Dowell !!**
STATE % TAX ON \$
COUNTY % TAX ON \$
CITY % TAX ON \$
SIGNATURE OF DSI REPRESENTATIVE: **David R. Arvey**
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 for 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,

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 subsidence; (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 endorsement. 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-Offfield 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 6522 DATE 10-16-94
 DISTRICT WYOMING, KANSAS

PRINTED IN U.S.A.

WELL NAME AND NO. **LUDMUND H13**
 LOCATION (LEGAL) **SEC 3A-32S-36W**
 FIELD-POOL **HULSTON**
 FORMATION **CHASE**
 COUNTY/PARISH **STEVENS**
 STATE **KANSAS**
 NAME **Mobil Oil**
 ADDRESS _____
 ZIP CODE _____

RIG NAME: **Cherokee #4**
 WELL DATA: **7 7/8** BIT SIZE, **5 1/2** CSG/Liner Size, **2942** TOTAL DEPTH, **14** WEIGHT, **1932.11** FOOTAGE, **WB** MUD TYPE, **1040F** BHCT, **9** MUD DENSITY, **2884 gal** Disp. Capacity
 BOTTOM " _____ TOP _____
 LESS FOOTAGE SHOE JOINT(S) **47.47**
 NOTE: Include Footage From Ground Level To Head In Disp. Capacity

ORIGINAL

SPECIAL INSTRUCTIONS
SAVE CEMENT 492 FT. OF 5/2 CASING WITH 120 SXS OF LEAD AND 100 SXS OF TAIL CEMENT AS DIRECTED BY CUSTOMER.
 IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE **1668** PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT **500 + ΔP** PSI BUMP PLUG TO **500 + ΔP** PSI
 ROTATE **4** RPM RECIPROCATE FT No. of Centralizers **15**

Float	TYPE	API 10 1/2 INCH	TYPE	
	DEPTH	2884.64	DEPTH	
Shoe	TYPE	GMT NOSE GUIDE	TYPE	
	DEPTH	2932.11	DEPTH	

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

TIME	PRESSURE		VOLUME PUMPED SBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
23:58		1500									
00:02		310	25		5.8	H ₂ O	8.34				
00:07		430	107	25	5.8	CMT	11.5				
					4	CMT	11.9				
00:27		110	48	132	4	CMT	14.8				
00:39				180							
00:44			70.4	180	4	H ₂ O	8.34				
00:00		800		200	2	H ₂ O	8.34				
01:05		1170		250							

PRE-JOB SAFETY MEETING
 START JOB. Pressure Test Lines Test Oil
 START WATER AHEAD. Break Circulation
 START LEAD SWIRL
 LOWER Pump Rate
 START TAIL SWIRL
 SHUTDOWN. WASH LINES. DROP TOP Plug.
 START DISPLACEMENT
 LOWER Pump Rate
 Bump Top Plug.
 TEST FLOAT. FLOAT HEAD.
 Release Dowell
 CMT LIFT PRIMA To Pumping plug 900 psi

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			CLASS	ADDITIVE	PERCENT	CLASS	BBLs	DENSITY
1.	220	2.75	CLASS C	31. D19	0.21. D46	1/4 H/SK	107.75	11.5
2.	200	1.37	CLASS C	21. B28	21. SA	0.61. D46 + 0.21. D46	48.80	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE **N/A** VOLUME **N/A** DENSITY **N/A** PRESSURE **1170** MAX. MIN.
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO 18 Bbls
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **170.4** Bbls TYPE OF WELL OIL STORAGE BRINE WATER WILDCAT **SPGS**
 Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **MR. JOE DAVIS** DS SUPERVISOR **MR. DAVID R. SALTER**

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

DISTRICT COPY

OILFIELD SERVICES

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.

03 12 6513

DSI SERVICE LOCATION NAME AND NUMBER

ULYSSSES, KANSAS 03 12

CUSTOMER NUMBER

CUSTOMER P.O. NUMBER

TYPE SERVICE CODE

271

BUSINESS CODES

CUSTOMER'S
NAME

Mobil Oil

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
10 03 94 19:45

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
10 04 94 01:00

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 KANSAS CODE COUNTY / PARISH STEUBENS CODE CITY

WELL NAME AND NUMBER / JOB SITE SIEGMOND #1-3 LOCATION AND POOL / PLANT ADDRESS SEC 34 - 325 - 3/4 W

SHIPPED VIA Dowell

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	AMOUNT
MATERIALS					
040003 000	DA03 CLASS C CEMENT	CFT	163	9.06	1476.78
045008 000	D35 WATER-3	CFT	163	4.39	715.57
045014 050	D20' PORTLAND CEMENT	LB	880	0.17	149.60
045004 050	D44 GRANULATED SALT	LB	774	0.13	100.62
067005 100	51 CALCIUM CHLORIDE	LB	294	0.40	117.60
044003 025	D29' CEMENT PUMPER PIPES	LB	82	1.77	145.14
SERVICES					
049197 000	PUMP-REORDER	EA	1	159.00	159.00
049101 000	CEMENT PUMP	EA	1	70.00	70.00
049102 000	DELIVERY CHARGE	TOL	189	1.00	189.00
049100 000	SERVICE CHARGE	CFT	357	1.36	485.52
102871 010	CEMENT PUMPER	EA	1	240.00	240.00
049100 002	MILEAGE CEMENT PUMPER	MI	33	2.95	97.35
CASING HARDWARE					
046702 025	8 5/8" TOP PLUG	EA	1	109.00	109.00

RECEIPT

NET ESTIMATE \$ 4881.18 w/Discount \$ 3221.58

SUB TOTAL

LICENSE/REIMBURSEMENT FEE	
LICENSE/REIMBURSEMENT FEE	
REMARKS:	STATE % TAX ON \$
THANK YOU FOR USING DOWELL !!	COUNTY % TAX ON \$
	CITY % TAX ON \$
	SIGNATURE OF DSI REPRESENTATIVE
	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. Pricing. 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 "ovo 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: 0312 0513 DATE: 10-3-94
 STAGE: 1 DS DISTRICT: UWISSKS KANSAS

DS-420-A PRINTED IN U.S.A.

WELL NAME AND NO.: SILVERMUND #1-3
 LOCATION (LEGAL): SEC. 2A-32S-36W
 FIELD-POOL: HUGOTON
 COUNTY/PARISH: STEVENSON STATE: KANSAS API. NO.:

RIG NAME: Cheyenne #4
 WELL DATA: BIT SIZE 12 1/4 CSG/Liner Size 8 5/8 BOTTOM' TOP'
 TOTAL DEPTH 604' WEIGHT 24
 ROT CABLE FOOTAGE: 189.9'
 MUD TYPE WB GRADE:
 BHST. BHCT: 860' THREAD: 8 id shoe
 MUD DENSITY 9 LESS FOOTAGE-SHOE JOINT(S): 42 3/4 shoe # TOTAL: 591.5'
 MUD VISC. Disp. Capacity: 591.5'

NAME: MOBIL OIL
 AND:
 ADDRESS:
 ZIP CODE:

ORIGINAL

SPECIAL INSTRUCTIONS:
SAVED CEMENT 634 12' of 8 5/8" CASING WITH 150 SXS OF LEAD AND 175 SXS OF TAIL CEMENT AS DIRECTED BY THE CUSTOMER

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

Float	TYPE	<u>Motobill Insert</u>	TYPE	
	DEPTH	<u>591.58</u>	DEPTH	
Shoe	TYPE	<u>CMT. NOSE GUIDE</u>	TYPE	
	DEPTH	<u>1035.93</u>	DEPTH	

Head & Plugs: TBG D.P. SQUEEZE JOB

<input type="checkbox"/> Double	SIZE	TOOL	TYPE
<input checked="" type="checkbox"/> Single	<input type="checkbox"/> WEIGHT		DEPTH
<input type="checkbox"/> Swage	<input type="checkbox"/> GRADE		TAIL PIPE: SIZE DEPTH
<input type="checkbox"/> Knockoff	<input type="checkbox"/> THREAD		TUBING VOLUME Bbls
TOP <input type="checkbox"/> B <input type="checkbox"/> W	<input type="checkbox"/> NEW <input type="checkbox"/> USED		CASING VOL. BELOW TOOL Bbls
BOT <input type="checkbox"/> R <input type="checkbox"/> W	DEPTH		TOTAL Bbls
			ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE: 227 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT: PSI BUMP PLUG TO: 500 OVER DP PSI
 ROTATE: RPM RECIPROCATATE: FT No. of Centralizers: 5

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME: <u>19:45</u>	DATE: <u>10/3/94</u>	TIME: <u>7:32'</u>	DATE: <u>10/4/94</u>
0001 to 2400											
00:43		1000						PRE-JOB SAFETY MEETING TEST OK			
00:46		100	25	-	5.88	H ₂ O	8.34	START JOB. PRESSURE TEST LINES P=1000			
00:50		150	58	25	5.88	CMT	12.2	START H ₂ O ALTERN			
01:00		100	58	83	5.8	CMT	14.8	START LEAD SWAGER			
01:06				120				START TAIL SWAGER			
01:08			37.6	120	6	H ₂ O	8.34	SHUTDOWN. DROP TOP PLUG			
01:14		120		147	2	H ₂ O	8.34	START DISPLACEMENT			
01:19		120		157				LOWEST PUMP FLUX			
								Bump top plug			
								Blow off pressure = check head			
								Flow looking slightly shut in			
								cut head in manifold. Release Dowell.			

REMARKS:

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			INCREMENT	CUM	INJECT RATE	FLUID TYPE	BBLs	DENSITY
1.	150	2.2	50/50	C/POR + 6% D2O + 5% Benton DM + 1/4 #/sk D29	58.77	12.2		
2.	175	1.20	50/50	C/POR + 2% SA + 0.1% D2O + 1/4 #/sk D29	37.80	14.8		
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE: WIA VOLUME: N/A DENSITY: N/A PRESSURE: 600 MAX. MIN.:
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST: YES NO Cement Circulated To Surf. YES NO 19 Bbls.
 BREAKDOWN: PSI FINAL: 57.6 Bbls. TYPE OF WELL: OIL GAS STORAGE BRINE WATER WILDCAT 47 SXS
 Washed Thru Perfs: YES NO TO: FT. MEASURED DISPLACEMENT: WIRELINE
 PERFORATIONS: TO: TO: CUSTOMER REPRESENTATIVE: MR. JOE T. DAVIS DS SUPERVISOR: MR. THOMAS R. SARVER