

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

Operator: License # 5952
Name: Amoco Production Company
Address P.O. Box 800, Rm. 2444
City/State/Zip Denver, CO 80201

Purchaser: _____
Operator Contact Person: Julie Victor
Phone (303) 830-4009
Contractor: Name: Cheyenne Drilling
License: 5382
Wellsite Geologist: _____

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

If Workover/Re-entry: old well info as follows:
Operator: N/A
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PSTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
8/27/92 8/29/92 Delayed
Spud Date Date Reached TD Completion Date

API No. 15 - 075-20504-0000 ORIGINAL
County Hamilton
NW - NW - SE - SE Sec. 36 Twp. 26 Rge. 39 East West
1250 Feet from S (circle one) Line of Section
1250 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE NW, or SW (circle one)
Lease Name Grace O. Ehlers G.U. Well # 3HI
Field Name Hugoton
Producing Formation Chase
Elevation: Ground 3222' KB 3233'
Total Depth 2620' PSTD _____
Amount of Surface Pipe Set and Cemented at 614 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.
Drilling Fluid Management Plan ALT 1 1-20-93 JTV
(Data must be collected from the Reserve Pit)
Chloride content 5800 ppm Fluid Volume 2140 bbls
Dewatering method used dried and filled
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
Quarter Sec. _____ Twp. _____ S.Rng. _____ E/W
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with this 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 to the best of my knowledge.
Signature Julie Victor
Title Permitting Representative Date 1/5/93
Subscribed and sworn to before me this 5 day of January, 1993 CON. _____
Notary Public Mabley M. Wood
Date Commission Expires December 26, 1994

RECEIVED 1-13-93
STATE CORPORATION COMMISSION OFFICE USE ONLY
Letter of confidentiality Attached
F-13-13-93
Log Received
C-13-13-93
Drillers Timelog Received
WICHITA, KANSAS
Distribution
KCC _____ SWD/Rep _____ NGPA
KGS _____ Plug _____ Other _____
(Specify)

PI

Operator Name Amoco Production Company

Lease Name Grace O. Ehlers G.U. Well # 3HI

County Hamilton

Sec. 36 Twp. 26 Rge. 39 East West

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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datums <input checked="" type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Chase</td> <td>2345'</td> <td>885'</td> </tr> <tr> <td>Herrington</td> <td>2395'</td> <td>838</td> </tr> <tr> <td>Krider</td> <td>2410'</td> <td>823'</td> </tr> <tr> <td>Winfield</td> <td>2453'</td> <td>780'</td> </tr> <tr> <td>Towanda</td> <td>2510'</td> <td>723'</td> </tr> </tbody> </table>	Name	Top	Datum	Chase	2345'	885'	Herrington	2395'	838	Krider	2410'	823'	Winfield	2453'	780'	Towanda	2510'	723'
Name	Top	Datum																	
Chase	2345'	885'																	
Herrington	2395'	838																	
Krider	2410'	823'																	
Winfield	2453'	780'																	
Towanda	2510'	723'																	

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	12-1/4"	8-5/8"	24#	614'	Class C	345	
Production	7-7/8"	5-1/2"	15.5#	2,620'	Class C	630	

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

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		Producing Method		<input 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	

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

METHOD OF COMPLETION Production Interval

(If vented, submit ACO-18)

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY
GRACE O. EHLERS GU NO. 3 HI
SECTION 36-T26S-R39W
HAMILTON COUNTY, KANSAS

COMMENCED: 08-27-92
COMPLETED: 08-30-92

SURFACE CASING: 604' OF 8 5/8"
CMTD W/195 SX LT "C", 2% C.C.,
1/4#/SX FLO-CELE; TAILED IN W/
150 SX "C", 2% C.C., 1/4#/SX FLO-CELE

FORMATION	DEPTH
SURFACE HOLE	0- 614
RED BED	614-1514
RED BED & SAND	1514-2049
LIME & SHALE	2049-2420
CHASE	2420-2620 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

A.J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 1ST DAY OF SEPTEMBER, 1992.

BECKY J. WHETSTONE
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 4/29/95

RECEIVED
CORPORATION COMMISSION
Becky J. Whetstone
JAN 13 1993
BECKY J. WHETSTONE, NOTARY PUBLIC
WICHITA, KANSAS

CEMENTING SERVICE REPORT



TREATMENT NUMBER: 03-12-4081
 DATE: 8-27-92
 STAGE: DS DISTRICT: Ulysses, KS

DS-496 PRINTED IN U.S.A

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. #5112 George O. Ehlers G.U. Location (LEGAL) Sec 36-26s-39w

RIG NAME: Cheyenne Drilling
 WELL DATA: BIT SIZE 2 1/4, CSG/Liner Size 8 1/2, TOTAL DEPTH 1115, WEIGHT 24, FOOTAGE 1115 ORIGINAL

COUNTY/PARISH: Hamilton STATE: KS APL. NO.

NAME: Cheyenne Drilling

ADDRESS: ZIP CODE

SPECIAL INSTRUCTIONS: 6.5 lbm lead cement 150 psi, 5.5 lbm tail cement 180 psi

IS CASING/TUBING SECURED? YES CASING WEIGHT - SURFACE AREA (3.14 x R²)
 LIFT PRESSURE 253 PSI PRESSURE LIMIT 1010 PSI ROTATE RPM RECIPROCATATE FT No. of Centralizers 3

MUD TYPE: GRADE HSS, THREAD 8.25, MUD DENSITY 6.4, MUD VISC. 36.4

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Float TYPE: 1/2" PLATE, DEPTH: 571, SHOE TYPE: TX. PATERN, DEPTH: 1115

Head & Plugs: Double, Single, Swage, Knockoff, Thread, NEW, USED, DEPTH, ANNUAL VOLUME

JOB SCHEDULED FOR TIME 1930 DATE 8-27-92 ARRIVE ON LOCATION TIME 1930 DATE 8-27-92 LEFT LOCATION TIME 2330 DATE 8-27-92

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								PRE-JOB SAFETY MEETING
2154		0	11		6.5	H2O		START H2O ahead
2155		150	73		6.5	cmf	17.2	START lead cement.
2206		130	37		6.5	cmf	12.2	psi check
2207		120	35		5.5	cmf	14.8	START tail cement.
2211		120	25		5.5	cmf	14.8	psi check
2213		0						shutdown down top plug
2215		0	36.4		6.5	H2O		START displacement
2218		180	20		6.5	H2O		CEMENT TO SURFACE
2219		160	30		2	H2O		TOURNE INTO
2221		180	34		2	H2O		psi check
2222		1010	36		2	H2O		sump top plug
		300						load psi of to 300 psi
2223								shut head + manifold in
								and job

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD cu. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1	195	210	6.5	35%oz + 6%ogel + 2%ca12 + 1/2" D29	113	12.2
3	150	1.32		class C + 2%ca12 + 1/2" D29	35	14.8

BREAKDOWN FLUID TYPE: HESITATION SO., RUNNING SO., CIRCULATION LOST, DISPLACEMENT VOL., MEASURED DISPLACEMENT, PERFORATIONS
 VOLUME: 36.4
 PRESSURE: 1993
 CUSTOMER REPRESENTATIVE: Jack Popper
 SUPERVISOR: James Esquivel

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

DSI. REPRESENTATIVE

OILFIELD SERVICES
INDUSTRIAL SERVICES

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.

DSI SERVICE LOCATION NAME AND NUMBER
Ulysses, TX 03-12

CUSTOMER NUMBER: *88-12-3481* CUSTOMER P.O. NUMBER: TYPE SERVICE CODE: *271* BUSINESS CODES:

CUSTOMER'S NAME

Choyenne Drilling ORIGINAL

WORKOVER W
NEW WELL N
OTHER

API OR IC NUMBER

ADDRESS

CITY, STATE AND ZIP CODE

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE MO. DAY YR. TIME
LOCATION *8 21 92 110*

SERVICE ORDER RECEIPT
I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

JOB MO. DAY YR. TIME
COMPLETION *8 21 92 110*

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

STATE CODE COUNTY / PARISH CODE CITY

WELL NAME AND NUMBER / JOB SITE LOCATION AND POOL / PLANT ADDRESS SHIPPED VIA

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102871-010	PUMP chg	EA	1	705.00	705.00
139200-002	mileage	mi.	10	26.50	265.00
142601-100	concrete h+m	EA	1	60.00	60.00
149691-000	misc chg	EA	1	135.00	135.00
149102-100	hauling	EA	164	84	13776
149100-000	misc	EA	15	28.00	420.00
149003-000	misc	EA	279	7.35	2049.75
145008-000	misc	EA	279	7.35	2049.75
145014-050	misc	EA	279	7.35	2049.75
147005-100	misc	EA	279	7.35	2049.75
144003-025	U21 collator	EA	27	4.93	133.11
056015-085	Lat Flo Valve	EA	1	14.00	14.00
056011-085	...	EA	3	13.00	39.00
056702-085	Top ...	EA	1	45.00	45.00
057499-001	Thread Talk	EA	1	23.50	23.50

SERVICE ORDER RECEIPT

2547 RECEIVED
CORPORATION COMMISSION

JAN 31 1993
WICHITA, KANSAS

LICENSE / REIMBURSEMENT FEE			
LICENSE / REIMBURSEMENT FEE			
REMARKS:	STATE	% TAX ON \$	
	COUNTY <i>36.4</i>	% TAX ON \$	
	CITY	% TAX ON \$	
	SIGNATURE OF DSI REPRESENTATIVE	TOTAL \$	

GENERAL TERMS AND CONDITIONS

1. **AMENDMENTS.** Any modification of this document by the Customer, and all additional or different terms included in the Customer's purchase order or any other document responding to this contract, are hereby objected to. BY REQUESTING THE GOODS AND SERVICES SET FORTH HEREIN, BUYER AGREES TO ALL THE TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

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 1½% per month or the maximum allowable by the applicable state 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 agrees to pay all fees directly or indirectly incurred for such collection.

3. **PRICES.** The products and services to be supplied hereunder shall be priced in accordance with DSI's current Price Schedule. As provided in DSI's Price Schedule, special jobs, under unusual conditions, will be subject to special price quotations to reflect increased or reduced costs.

4. **TAXES.** Any tax based on or measured by the charge for 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 this contract, and neither DSI nor anyone employed by DSI shall be the agent, representative, employee or servant of Customer in the performance of this contract or any part hereof.

6. **FORCE MAJEURE.** Any delays or failure by DSI in the performance of this contract shall be excused if and to the extent caused by war, fire, flood, strike, labor trouble, accident, riot, acts of God, or any contingencies beyond the reasonable control of DSI.

7. **DISPOSAL.** Disposal of the chemicals used in the performance of this contract is the responsibility of Customer. Customer agrees the chemicals will be disposed of in accordance with all applicable Federal, State and local laws and regulations.

12. **SEVERABILITY.** It is understood and agreed by the parties hereto that any part, term, or provision of this Contract prohibited by law shall be deemed invalid to the extent of such prohibition and shall be deemed modified to the extent necessary to conform to such rule of law.

SPECIAL TERMS AND CONDITIONS

In addition to the foregoing General Terms and Conditions which are applicable to all services and products furnished by DSI, the following Special Terms and Conditions are applicable to Oil Field Services and Mining Services. In the event of any conflict, inconsistency, or incongruity between the General Terms and Conditions and the Special Terms and Conditions, the Special Terms and Conditions shall govern and control.

13. **WELL.** The term "well" as used herein shall also be construed to include and mean a "mine" or other property being serviced where the work to be performed involves DSI mining services.

14. **CUSTOMER'S RESPONSIBILITY & INDEMNITIES.** The parties agree that Customer has complete custody and control of the well, the conditions created in the well, the drilling equipment, well premises and access routes from highways to well locations. Customer will have the well in readiness for the service and, following service, will return the well to production. The parties further agree that unless caused by DSI's willful misconduct or failure to exercise good faith, Customer shall be fully responsible for and defend, indemnify and save harmless DSI, its officers, agents and employees against:

(i) Liability for damage to property of Customer (and well owner if different from Customer), this provision applying but not limited to subsurface damage and surface damage arising from subsurface damage including any liability based in whole or in part on the negligence of DSI.

(ii) Liability for reservoir loss or damage, or any property damage (including but not limited to damages caused by pollution or contamination), or personal injuries resulting directly or indirectly from subsurface pressure, well blowout or cratering, or losing control of the well including any liability based in whole or in part on the negligence of DSI.

(iii) Liability for any damages whatever resulting directly or indirectly from a subsurface trespass, pollution or contamination arising out of any servicing operation performed by DSI or Customer including any liability based in whole or in part on the negligence of DSI.

(iv) Liability for injury to persons (including death) or damage to property, other than employees and property of DSI, growing out of or in any way, connected with the use of materials in the well which are radioactive, poison, toxic or otherwise hazardous including any liability based in whole or in part on the negligence of DSI.

8. **PRODUCT SALES AND RENTALS - WARRANTY.** DSI warrants only that products (including tools, supplies and materials) furnished shall conform to the quality and specification represented and that DSI can convey good title; DSI MAKES NO WARRANTY OF MERCHANTABILITY, OR THAT SAID PRODUCTS SHALL BE FIT FOR ANY PARTICULAR PURPOSE, NOR IS THERE ANY OTHER WARRANTY EXPRESSED OR IMPLIED EXCEPT AS EXPRESSLY STATED HEREIN. DSI's liability and Customer's exclusive remedy for any cause of action arising out of a product sale or rental pursuant hereto is expressly limited at DSI's option to (a) replacement or such product upon its return to DSI or (b) allowance to Customer of credit for the cost of such product.

9. **SERVICE WARRANTY.** In interpreting information and making recommendations, either written or oral, as to type or amount of material or service 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 in the field. 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 SERVICES RENDERED.

10. **LIABILITY AND INDEMNITY.** Customer agrees to be responsible for and to defend, indemnify and save harmless DSI, its officers, agents and employees, from any and all claims, loss, damage or expense by reason of accident, injuries, damages or hurt to any person or property, including property of DSI or Customer, that may occur in connection with or related to the performance of this contract and which is caused in whole or in part by the negligent act or omission of Customer, its agents, servants or employees and whether or not caused in part by the negligent act or omission of DSI. In no event shall DSI be liable for any special, incidental, indirect, punitive, or consequential damage, including, but not limited to, loss of use or loss of profit, for breach of contract, negligence (including DSI's sole negligence) or any other cause of action.

11. **DSI.** The term "DSI" as used herein is an abbreviation of Dowell Schlumberger Incorporated and where used throughout this agreement, shall be construed to mean Dowell Schlumberger Incorporated, a Delaware corporation.

(v) Liability for damages to property of customer or third parties or injuries to persons caused or alleged to have been caused by contamination or pollution from the application or use of products designed to control dust, wind erosion, product loss, sealing of ponds, reservoirs, irrigation canals, or sanitary landfills including any liability based in whole or in part on the negligence of DSI.

(vi) Liability for injury to persons (including death) or damage to property growing out of or in any way connected to the use of various equipment provided by DSI at no cost for the sole convenience of and use by the Buyer including any liability based in whole or in part on the negligence of DSI.

(vii) Liability for damage to property of Customer (and well owner if different from Customer) resulting, directly or indirectly, from tools or instruments of DSI being lost in a well, including any liability based in whole or in part on the negligence of DSI.

15. **DOWN - HOLE TOOLS AND INSTRUMENTS.** If tools or instruments of DSI are lost in a well, Customer agrees to make a reasonable effort at Customer's risk and expense to recover same; and, if unable to recover, to pay DSI for same unless such loss or damage was caused solely by DSI's negligence.

16. **OFFSHORE & MARINE OPERATIONS.** For offshore marine operations Customer agrees to insure against loss and assumes full responsibility for damage to equipment furnished by DSI from time of delivery to Customer at landing until returned to landing when transported on craft, or located on platforms not owned or leased by DSI.

Customer shall furnish transportation for crew changes at customers expense.



SERVICE ORDER

OS-938-A
CUSTOMER: Cheyenne Drilling

PERSON TAKING CALL: DC Francisco | DATE/TIME: 8-25-92 | DS LOCATION: Ulysses 03-12-4681 | TREATMENT NUMBER: 03-12-4681

ORDERED BY: JACK Pepper

WELL NAME & NUMBER: Grace Oellers GUB NEW | LOCATION: Sec 36-265-39W | COUNTY/PARISH: Hamilton Co

CONTRACTOR ON SITE: Cheyenne #2 | DS SALES REPRESENTATIVE: TY | STATE: KANSAS

TUBING/DP: 8 5/8 | DEPTH MD / TVD: 650 | WT: 24# | THREAD: 8rd

TREATMENT VIA: CSG | ANN: | TYPE: | PACKER/RETAINER DEPTH:

SERVICE INSTRUCTIONS: 1 - Top Plug, 1 - BUFFER PLATE, 3 - Centralizers, 1 - Thread Lock Kit

PERFORATED INTERVALS								FORMATION:	
TOP	TO	BOTTOM	NO. OF HOLES	TOP	TO	BOTTOM	NO. OF HOLES	REQUIRED RATE/PRESS.	HYDRAULIC HORSEPOWER ORDERED:
	TO				TO				ORIGINAL
	TO				TO				
	TO				TO				
	TO				TO				

DIAMETER OF PERFORATIONS =
WELLHEAD CONN: 8 5/8 Head Manifold & Swedge

SPECIAL INSTRUCTIONS/EQUIPMENT:

SYSTEM DESCRIPTION:

System 1: 195 SKS 6 5/8" 202 + 6% D-20 + 2% SI + 1/4" #/SK D-29
12.2 PPG 2.10 CF/FT 11.5 gal/SK

System 2: 150 SKS CLASS C + 2% SI + 1/4" #/SK D-29

System 3: 14.8 PPG 1.32 CF/FT 6.32 gal/SK

System 4:

Additional Materials:

Directions: UKS 11 mi West - 13 mi North - 1/4 mi West To #2 well
- 1/3 mi North To Loc

RECEIVED
CORPORATION COMMISSION
AUG 19 1993
WICHITA, KANSAS

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 4684 DATE 8/29/92
 STAGE DS DISTRICT KS

DS-498 PRINTED IN U.S.A.

WELL NAME AND NO. Grace O'Ellas Q1 347 LOCATION (LEGAL) Sec 34-26-39L RIG NAME Chasene #2
 FIELD-POOL Ugoston FORMATION CHASE WELL DATA BIT SIZE 9 1/8 CSG/Liner Sz 5 1/2 BOTTOM TOP
 COUNTY/PARISH Hamilton STATE Ks. API NO. MUD TYPE ORIGINAL
 NAME Cheyenne Drdg MUD DENSITY 2.67 LESS FOOTAGE SHOE JOINT(S) MUD VISC 2257 Diap. Capacity 7.1 TOTAL

ADDRESS ZIP CODE

SPECIAL INSTRUCTIONS
Provide materials + services TO SAFELY CMT 5 1/8 production csg

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE 14960 PSI CASING WEIGHT - SURFACE AREA (3 1/4 x R)
 PRESSURE LIMIT 1000 PSI BUMP PLUG TO 1340 PSI
 ROTATE RPM RECIPROCATATE FT No. of Centralizers 5

JOB SCHEDULED FOR TIME 190 DATE 8/29 ARRIVE ON LOCATION TIME 190 DATE 8/29 LEFT LOCATION TIME 6330 DATE 8/30/92

TIME	PRESSURE		VOLUME PUMPED bbl		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL	
	TBG OR D.P.	CASING	INCREMENT	CUM.				TOOL TYPE	DEPTH
01:51	2000	0	1	-	1	160	8.33	PRE-JOB SAFETY MEETING	
01:59	NA	1330	5	-	9	160	8.33	Do test done	
		310	178	-	8.1	160	12.2	1600 Ahead + set packer	
02:19	NA	330	23	-	7.5	160	14.8	Lead cmt	
02:22		0	0	-	0			Tail cmt	
02:25		230	56	-	6.0	160	8.33	Shut Down, wash line, Drop plug	
02:34		340	46	-	2.1			Displace	
02:39	NA	1340	56	-	1.7			Lower dump 2	
02:39	1	0	0	-	0			Bump plug	
02:40								Release psi	
								End Job	

REMARKS psi Bellc pumping Drdg 650 SKS TO DIT 120

SYSTEM CODE	NO OF SACKS	YIELD CU FT/S	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED		
			BBLs	DENSITY	BBLs	DENSITY	
1	530	1.20	35/65 TOZ/C + 6% DDD + 1/4" #15K	198.3	12.2		
2							
3	100	1.32	C + 1/4" #15K	23.5	14.8		

RECEIVED
 DOWELL SCHLUMBERGER CORPORATION

BREAKDOWN FLUID TYPE: HESITATION SQ RUNNING SQ CIRCULATION LOST YES NO
 BREAKDOWN: PSI FINAL PSI DISPLACEMENT VOL 50.1 Bbls
 WASHED THRU PERFS: YES NO TO FT MEASURED DISPLACEMENT WIRELINE
 PERFORATIONS: TO TO TO TO
 CUSTOMER REPRESENTATIVE: JACK JEFFER
 SUPERVISOR: Greg Black

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

OILFIELD SERVICES
INDUSTRIAL SERVICES

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.

4684

DSI SERVICE LOCATION NAME AND NUMBER

WYSSOS KE 0312

CUSTOMER NUMBER

CUSTOMER P.O. NUMBER

TYPE SERVICE CODE

285

BUSINESS CODES

CUSTOMER'S
NAME

Cheyenne Ddly

ORIGINAL

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 or DSI INDUSTRIAL SERVICE CONTRACT-NO. _____ in accordance with the terms and conditions as printed on the reverse side of this form.

Cmt 5 1/2 production (Csg w/o)

WORKOVER
NEW WELL
OTHER

W
 N

API OR IC NUMBER

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE
LOCATION

MO 8 DAY 29 YR 92 TIME 1900

SERVICE ORDER RECEIPT

I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

JOB
COMPLETION

MO 2 DAY 30 YR 92 TIME 0240

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

Yacht order

STATE CODE COUNTY / PARISH CODE CITY

KANSAS Hamilton

WELL NAME AND NUMBER / JOB SITE

TRACE-O-Wellers GU. 3HIZ

LOCATION AND POOL / PLANT ADDRESS

Sec 30-260-39W

SHIPPED VIA

D.S.

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102871-030	Jump Trk Chg	EA	1	1165.00	1165.00
49102-000	Delivery Chg	2A.2	438	.84	367.92
49100-000	Service Chg	F3	677	1.15	778.55
59697-000	JACK	EA	1	135.00	135.00
59200-002	Milage	MI	15	2.65	39.75
48601-000	Cmt Head Rental	CA	1	60.00	N/C
40003-000	CLASS C Cmt	F3	445	7.75	3448.75
45008-000	2 1/2" Jct JF	F3	185	3.83	708.55
45004-000	D 200 Bell	lbs	2776	.16	444.16
451003-085	D 29 flake	SE 145	158	1.53	241.74
56011-054	5 1/2 Centralizers	GL 32.72			
56704-054	5 1/2 Top Dlg	CA 32.33		57.00	285.00
27499-001	Thread Jack Kit	CA 32.33		105.00	105.00
		CA 32.33		23.50	23.50
		5			

SUB TOTAL

field Est. 17742.92

LICENSE/REIMBURSEMENT FEE

LICENSE/REIMBURSEMENT FEE

REMARKS:

Thank you for using
Dowell Schlumberger

STATE

% TAX ON \$

COUNTY

% TAX ON \$

CITY

% TAX ON \$

SIGNATURE OF DSI REPRESENTATIVE

Debra Black

TOTAL \$

GENERAL TERMS AND CONDITIONS

1. **AMENDMENTS.** Any modification of this document by the Customer, and all additional or different terms included in the Customer's purchase order or any other document responding to this contract, are hereby objected to. BY REQUESTING THE GOODS AND SERVICES SET FORTH HEREIN, BUYER AGREES TO ALL THE TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

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 1½% per month or the maximum allowable by the applicable state 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 agrees to pay all fees directly or indirectly incurred for such collection.

3. **PRICES.** The products and services to be supplied hereunder shall be priced in accordance with DSI's current Price Schedule. As provided in DSI's Price Schedule, special jobs, under unusual conditions, will be subject to special price quotations to reflect increased or reduced costs.

4. **TAXES.** Any tax based on or measured by the charge for 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 this contract, and neither DSI nor anyone employed by DSI shall be the agent, representative, employee or servant of Customer in the performance of this contract or any part hereof.

6. **FORCE MAJEURE.** Any delay or failure by DSI in the performance of this contract shall be excused if and to the extent caused by war, fire, flood, strike, labor trouble, accident, riot, acts of God, or any contingencies beyond the reasonable control of DSI.

7. **DISPOSAL.** Disposal of the chemicals used in the performance of this contract is the responsibility of Customer. Customer agrees the chemicals will be disposed of in accordance with all applicable Federal, State and local laws and regulations.

12. **SEVERABILITY.** It is understood and agreed by the parties hereto that any part, term, or provision of this Contract prohibited by law shall be deemed invalid to the extent of such prohibition and shall be deemed modified to the extent necessary to conform to such rule of law.

SPECIAL TERMS AND CONDITIONS

In addition to the foregoing General Terms and Conditions which are applicable to all services and products furnished by DSI, the following Special Terms and Conditions are applicable to Oil Field Services and Mining Services. In the event of any conflict, inconsistency, or incongruity between the General Terms and Conditions and the Special Terms and Conditions, the Special Terms and Conditions shall govern and control.

13. **WELL.** The term "well" as used herein shall also be construed to include and mean a "mine" or other property being serviced where the work to be performed involves DSI mining services.

14. **CUSTOMER'S RESPONSIBILITY & INDEMNITIES.** The parties agree that Customer has complete custody and control of the well, the conditions created in the well, the drilling equipment, well premises and access routes from highways to well locations. Customer will have the well in readiness for the service and, following service, will return the well to production. The parties further agree that unless caused by DSI's willful misconduct or failure to exercise good faith, Customer shall be fully responsible for and defend, indemnify and save harmless DSI, its officers, agents and employees against:

(i) Liability for damage to property of Customer (and well owner if different from Customer), this provision applying but not limited to subsurface damage and surface damage arising from subsurface damage including any liability based in whole or in part on the negligence of DSI.

(ii) Liability for reservoir loss or damage, or any property damage (including but not limited to damages caused by pollution or contamination), or personal injuries resulting directly or indirectly from subsurface pressure, well blowout or cratering, or losing control of the well including any liability based in whole or in part on the negligence of DSI.

(iii) Liability for any damages whatever resulting directly or indirectly from a subsurface trespass, pollution or contamination arising out of any servicing operation performed by DSI or Customer including any liability based in whole or in part on the negligence of DSI.

(iv) Liability for injury to persons (including death) or damage to property, other than employees and property of DSI, growing out of or in any way, connected with the use of materials in the well which are radioactive, poison, toxic or otherwise hazardous including any liability based in whole or in part on the negligence of DSI.

8. **PRODUCT SALES AND RENTALS - WARRANTY.** DSI warrants only that products (including tools, supplies and materials) furnished shall conform to the quality and specification represented and that DSI can convey good title; DSI MAKES NO WARRANTY OF MERCHANTABILITY, OR THAT SAID PRODUCTS SHALL BE FIT FOR ANY PARTICULAR PURPOSE, NOR IS THERE ANY OTHER WARRANTY EXPRESSED OR IMPLIED EXCEPT AS EXPRESSLY STATED HEREIN. DSI's liability and Customer's exclusive remedy for any cause of action arising out of a product sale or rental pursuant hereto is expressly limited at DSI's option to (a) replacement or such product upon its return to DSI or (b) allowance to Customer of credit for the cost of such product.

9. **SERVICE WARRANTY.** In interpreting information and making recommendations, either written or oral, as to type or amount of material or service 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 in the field. 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 SERVICES RENDERED.

10. **LIABILITY AND INDEMNITY.** Customer agrees to be responsible for and to defend, indemnify and save harmless DSI, its officers, agents and employees, from any and all claims, loss, damage or expense by reason of accident, injuries, damages or hurt to any person or property, including property of DSI or Customer, that may occur in connection with or related to the performance of this contract and which is caused in whole or in part by the negligent act or omission of Customer, its agents, servants or employees and whether or not caused in part by the negligent act or omission of DSI. In no event shall DSI be liable for any special, incidental, indirect, punitive, or consequential damage, including, but not limited to, loss of use or loss of profit, for breach of contract, negligence (including DSI's sole negligence) or any other cause of action.

11. **DSI.** The term "DSI" as used herein is an abbreviation of Dowell Schlumberger Incorporated and where used throughout this agreement, shall be construed to mean Dowell Schlumberger Incorporated, a Delaware corporation.

(v) Liability for damages to property of customer or third parties or injuries to persons caused or alleged to have been caused by contamination or pollution from the application or use of products designed to control dust, wind erosion, product loss, sealing of ponds, reservoirs, irrigation canals, or sanitary landfills including any liability based in whole or in part on the negligence of DSI.

(vi) Liability for injury to persons (including death) or damage to property growing out of or in any way connected to the use of various equipment provided by DSI at no cost for the sole convenience of and use by the Buyer including any liability based in whole or in part on the negligence of DSI.

(vii) Liability for damage to property of Customer (and well owner if different from Customer) resulting, directly or indirectly, from tools or instruments of DSI being lost in a well, including any liability based in whole or in part on the negligence of DSI.

15. **DOWN-HOLE TOOLS AND INSTRUMENTS.** If tools or instruments of DSI are lost in a well, Customer agrees to make a reasonable effort at Customer's risk and expense to recover same; and, if unable to recover, to pay DSI for same unless such loss or damage was caused solely by DSI's negligence.

16. **OFFSHORE & MARINE OPERATIONS.** For offshore marine operations Customer agrees to insure against loss and assumes full responsibility for damage to equipment furnished by DSI from time of delivery to Customer at landing until returned to landing when transported on craft, or located on platforms not owned or leased by DSI.

Customer shall furnish transportation for crew changes at customer's expense.



SERVICE ORDER

PERSON TAKING CALL DG Francisco		DATE/TIME 8-28-92	DS LOCATION Ulysses 03-12 - 4684	TREATMENT NUMBER
CUSTOMER Cheyenne Drilling		ORDERED BY Jack Pepper	TELEPHONE	MOBILE
TYPE JOB LS	JOB DATE 8-29-92	TIME ON LOC	PUMP	CUSTOMER REP ON LOCATION
WELL NAME & NUMBER Grace O Ellers G03H#		REWORK	LOCATION Sec 36-265-39W	POOL/FIELD
CONTRACTOR ON SITE Cheyenne #1		DS SALES REPRESENTATIVE	CUSTOMER ORDER NUMBER	COUNTY/PARISH Hamilton Co
				STATE KANSAS

TUBING/DP:	SIZE	DEPTH MD / TVD	WT	THREAD	TREATMENT VIA: TUBING/DP (CSG) ANN:	PACKER/RETAINER	DEPTH:
CASING:	5 1/2	2650' ±	14 #	8 Rd	SERVICE INSTRUCTIONS:		
LINER:					1 - Top Plug		
OPEN HOLE	7 7/8	2650' ±	BHST	BHCT	5 - Centralizers		

PERFORATED INTERVALS								FORMATION:	
TOP	TO	BOTTOM	NO. OF HOLES	TOP	TO	BOTTOM	NO. OF HOLES		
	TO				TO			REQUIRED RATE/PRESS.	
	TO				TO			HYDRAULIC HORSEPOWER ORDERED:	
	TO				TO			MAX PSI ALLOWABLE:	
	TO				TO				

DIAMETER OF PERFORATIONS =

WELLHEAD CONN: 5 1/2 Head manifold & Swedge

SPECIAL INSTRUCTIONS/EQUIPMENT:

1 - Thread Lock Kit

ORIGINAL

SYSTEM DESCRIPTION:

Lead System 1 530 SKS 65/35 9/32 + 6% D-20 + 1/4 #/SK D-29
12.2 PPG 2.1 CFT/SK 11.5 GAL/SK

Tail System 2 100 SKS CLASS C + 1/4 #/SK D-29

System 3 14.2 PPG 1.32 CFT/SK 6.32 GAL/SK

System 4

Additional Materials:

Directions: UKS - 14 mi North - 9 mi West to Co line - 3 mi South - 1/4 mi West - North into

RECEIVED
WICHITA CORPORATION COMMISSION
19 1993
WICHITA, KANSAS