

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. 2118
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. _____
10/23/92 10/26/92 3/12/93
Spud Date Date Reached TD Completion Date

ORIGINAL

API No. 15 - 093-21231-0000
County Kearny
SE - SE - NW - NW Sec. 13 Twp. 26 Rge. 38 East West
4030 Feet from N (circle one) Line of Section
4030 Feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW, or SW (circle one)
Lease Name Glaser G.U. A Well # 3HI

Field Name Hugoton
Producing Formation Chase
Elevation: Ground 3185' KB 3196'
Total Depth 2740' PSTD _____

Amount of Surface Pipe Set and Cemented at 643 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 DLF/ 4-2-93
(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. _____ EW
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 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 to the best of my knowledge.

Signature Julie Victor
Title Permitting Representative Date March 16, 1993
Subscribed and sworn to before me this 16 day of March, 1993
Notary Public Natalie M. Wood
Date Commission Expires December 26, 1994

K.C.C. OFFICE USE ONLY
F Letter of confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
MAR 19 1993
Distribution
 ECC SWD NGPA
 KGS Plug Wichita, Kansas

Operator Name Amoco Production Company

Lease Name Glaser G.U. A

Well # 3HI

Sec. 13 Twp. 26 Rge. 38

East

West

County Kearny

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.

<p>Drill Stem Tests Taken (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run (Submit Copy.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>List All E. Logs Run:</p>	<p><input type="checkbox"/> Log Formation (Top), Depth and Datums <input checked="" type="checkbox"/> Sample</p> <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>2,414'</td> <td>+782'</td> </tr> <tr> <td>Herrington</td> <td>2,448'</td> <td>+748'</td> </tr> <tr> <td>Krider</td> <td>2,466'</td> <td>+730'</td> </tr> <tr> <td>Winfield</td> <td>2,503'</td> <td>+693'</td> </tr> <tr> <td>Towanda</td> <td>2,563'</td> <td>+633'</td> </tr> </tbody> </table>	Name	Top	Datum	Chase	2,414'	+782'	Herrington	2,448'	+748'	Krider	2,466'	+730'	Winfield	2,503'	+693'	Towanda	2,563'	+633'
Name	Top	Datum																	
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Winfield	2,503'	+693'																	
Towanda	2,563'	+633'																	

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#	643'	Class C	345	
Production	7-7/8"	5-1/2"	15.5#	2,740'	Class C	675	

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
		Frac with 247,880# 10/20 Colo. 2411-2740'
		Silica sand

TUBING RECORD	Size <u>N/A</u>	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj <u>SI</u>		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 <u>1500</u>	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	<u>2411-2740'</u>
(If vented, submit ACO-18)	<input checked="" type="checkbox"/> Other (Specify) <u>slotted casing</u>	

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY
GLASER GU "A" NO. 3 H1
SECTION 13-T26S-R38W
KEARNY COUNTY, KANSAS

COMMENCED: 10-23-92
COMPLETED: 10-26-92

SURFACE CASING: 634' OF 8 5/8"
CMTD W/195 SX LT "C", 2% C.C.,
1/4#/SX FLO-CELE; TAILED IN W/
250 SX "C", 2% C.C., 1/4#/SX FLO-CELE

FORMATION	DEPTH
SURFACE HOLE	0- 643
SAND & CLAY	643-1043
RED BED	1043-1670
SAND & RED BED	1670-2000
SHALE & LIME	2000-2540
CHASE	2540-2650
CHASE & COUNCIL GROVE	2650-2740 RTD

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

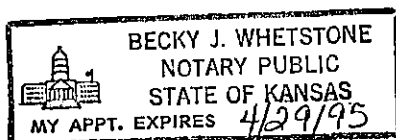
CHEYENNE DRILLING, INC.



A.J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 26TH DAY OF OCTOBER, 1992.



Becky J. Whetstone
BECKY J. WHETSTONE, NOTARY PUBLIC



SERVICE ORDER

DS-936-A
 CUSTOMER: Cheyenne Drilling
 PERSON TAKING CALL: J G Francesco
 DATE/TIME: 10-23
 DS LOCATION: Ulysses 03-12 - 4820
 TREATMENT NUMBER: 4820
 ORDERED BY: Jack Pepper
 TELEPHONE: _____ MOBILE: _____
 TYPE JOB: Surf
 JOB DATE: 10-23
 TIME: ON LOC PUMP
 CUSTOMER REP ON LOCATION
 TELEPHONE: _____ MOBILE: _____

WELL NAME & NUMBER: GLASSER GUA 3HT (NEW)
 REWORK: _____ LOCATION: 50C13-265-38W
 POOL/FIELD: _____ COUNTY/PARISH: KENNY CO
 CONTRACTOR ON SITE: Cheyenne #2
 DS SALES REPRESENTATIVE: TY
 CUSTOMER ORDER NUMBER: _____ STATE: KANSAS

TUBING/DP: _____ SIZE: _____ DEPTH MD / TVD: _____ WT: _____ THREAD: _____
 TREATMENT VIA: (CSG) ANNE: _____ TYPE: _____ PACKER/RETAINER DEPTH: _____
 CASING: 8 5/8" 24" 8RD
 SERVICE INSTRUCTIONS:
 LINER: _____
 OPEN HOLE: 12 1/4" BHST: _____ BHCT: _____

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:	
DIAMETER OF PERFORATIONS =									
WELLHEAD CONN: 8 5/8" Headmanifold FS wedge									
SPECIAL INSTRUCTIONS/EQUIPMENT:									

SYSTEM DESCRIPTION:
 System 1: 195 SKS 65/35 SPOZ + 6% D-20 + 2% S1 + 1/4 #/SK D-29
 12.2 PPG 2.1 CFT/SK 11.5 GAL/SK
 System 2: 150 SKS CLASS C + 2% S1 + 1/4 #/SK D-29
 14.8 PPG 1.32 CFT/SK 6.32 GAL/SK
 System 3: 100 SX. CLASS 'C' + 2% S-1 + 1/4 #/SX. D-29 (TOP JOB)
 RAN 120' OF 1" PIPE + CMT. TO SURFACE.

Additional Materials: _____

Directions: Ulysses 14 mi North - 3 mi West - 1 mi North
 - 3/4 mi West - South INTO

ORIGINAL

RECEIVED
 STATE CORPORATION COMMISSION

MAR 4 1993

DISTRIBUTION: ORIG - PERMANENT FILE
 COPY - DISTRICT FILE

CONSERVATION DIRECTOR
 Wichita, Kansas

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 07-12-41211
 DATE: 10-24-92
 STAGE: DS
 DISTRICT: WY 5505, KS

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO.: 42117
 LOCATION (LEGAL): Glasco C.H. 'A' Sec 13-26s-38w
 FIELD-POOL: FORMATION: KANSAS
 COUNTY/PARISH: STATE: KS
 API. NO.:
 NAME: Claymore Drilling
 ADDRESS:
 ZIP CODE:

RIG NAME: h-... #2
 WELL DATA: BOTTOM TOP
 BIT SIZE: 1 3/4 CSG/Liner Size: 2 1/8
 TOTAL DEPTH: 3 WEIGHT: 51
 ROT CABLE: FOOTAGE: 600
 MUD TYPE: GRADE: 235
 BHST: BHCT: THREAD: 1 1/2
 MUD DENSITY: LESS FOOTAGE SHOE JOINT(S): 7.1
 MUD VISC: Disp. Capacity: 38.7
 TOTAL:

SPECIAL INSTRUCTIONS:
 5.8 bpm lead 150 psi
 5.8 bpm tail 210 psi
 IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE: 263 PSI CASING WEIGHT - SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT: PSI BUMP PLUG TO: 690 PSI
 ROTATE: RPM RECIPROCATE FT No. of Centralizers: 3

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Head & Plugs: TBG D.P. SQUEEZE JOB
 Double: SIZE TYPE DEPTH
 Single: WEIGHT
 Swage: GRADE TAIL PIPE: SIZE DEPTH
 Knockoff: THREAD TUBING VOLUME Bbls
 TOP: NEW USED CASING VOL. BELOW TOOL Bbls
 BOT: DEPTH TOTAL Bbls
 ANNUAL VOLUME Bbls

TIME: 0001 to 2400
 PRESSURE: TBG OR D.P. CASING
 VOLUME PUMPED BBL: INCREMENT CUM
 JOB SCHEDULED FOR: TIME: 7? DATE: 27-92
 ARRIVE ON LOCATION: TIME: 130 DATE: 23-92
 LEFT LOCATION: TIME: 2400 DATE: 24-92

TIME	PRESSURE	VOLUME PUMPED BBL	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
0021	20	10	5.8	H10		PRE-JOB SAFETY MEETING
0022	120	5	5.8	H10		start 120 ahead
0022	150	73	5.8	cmf.	12.2	psi check
0029	150	80	5.8	cmf.	12.2	start lead cmf.
0034	220	35	5.8	cmf.	14.8	psi check
0037	210	18	5.8	cmf.	14.8	start tail cmf.
0040	0					psi check
0041	0	38.7	5	H20		shut down down top plug
0046	160	22	5	H20		start displacement
0048	220	30	2	H20		psi check
0050	220	37	2	H20		lower rate
0051	090	38.7	2	H20		psi check
0052						bump top plug
						load psi at shut head + manifold in

ORIGINAL

REMARKS:

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLs	DENSITY
1.	145	210	class C + 6 1/2 gal + 2 1/2 rail + 4 1/2 29	75	12.2
2.					
3.	150	132	class C + 2 1/2 rail + 4 1/2 29	35	14.5
4.					
5.					
6.					

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST
 DENSITY: YES NO
 PRESSURE: Cement Circulated To Surf. YES NO
 BREAKDOWN: PSI FINAL PSI DISPLACEMENT VOL. Bbls
 TYPE OF WELL: OIL GAS STORAGE INJECTION
 Washed Thru Perfs: YES NO TO FT. MEASURED DISPLACEMENT Bbls
 PERFORATIONS: TO TO CUSTOMER REPRESENTATIVE
 DS SUPERVISOR
 RECEIVED STATE OIL AND GAS COMMISSION
 MAR 1993
 CONSERVATION DIVISION
 Wichita, Kansas

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.

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 03-12-425	DATE 10-26-92
STAGE Ulysses	DS DISTRICT K3

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. GLASER "A-3"	LOCATION (LEGAL) SEC 13-265-38W
FIELD-POOL	FORMATION
COUNTY/PARISH Kearny	STATE Kansas
API. NO.	

RIG NAME: Cheyenne #2	WELL DATA:		BOTTOM	TOP
BIT SIZE 7 7/8	CSG/Liner Size 5 1/2			
TOTAL DEPTH 2941	WEIGHT 155			
<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE 2745.99			
MUD TYPE	GRADE			
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD			
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) 328.74			TOTAL
MUD VISC.	Disp. Capacity 2420.25			57.6

NAME Cheyenne Drilling

AND _____

ADDRESS _____

ZIP CODE _____

SPECIAL INSTRUCTIONS

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

Float	TYPE Pack Off Packer	Stage Tool	TYPE
	DEPTH 2420.25		DEPTH
SHOE	TYPE	Stage Tool	TYPE
	DEPTH		DEPTH

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 1599 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT _____ PSI BUMP PLUG TO 960 PSI

ROTATE _____ RPM RECIPROCATE _____ FT No. of Centralizers 5

Head & Plugs	<input type="checkbox"/> TBG <input type="checkbox"/> 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	Bbbs
TOP <input checked="" type="checkbox"/> R <input type="checkbox"/> W	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL	Bbbs
BOT <input type="checkbox"/> R <input type="checkbox"/> W	DEPTH	TOTAL	Bbbs
		ANNUAL VOLUME	Bbbs

JOB SCHEDULED FOR TIME: 0330 DATE: 10-26 ARRIVE ON LOCATION TIME: 0330 DATE: 10-26 LEFT LOCATION TIME: _____ DATE: 10-26

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0640								PRE-JOB SAFETY MEETING
0644	2430							PRESSURE TEST
0647		0						SET PACKER
0650		1150						PACKER SET
0650		180	25		6	1120	8.34	START WATER SHIELD
0654		290	215	25	4 1/2	CMR	12.2	WATER SHIELD PUMPED START LEAD CEMENT
0741		140	24	240	5	CMR	14.8	LEAD CEMENT PUMPED START TAIL CEMENT
0746		60		264	-			TAIL CEMENT PUMPED SHUT DOWN + WASIL
0756				264	-			DROP TOP PLUG
0756			57.6	264	4	1120	8.34	START DISPLACEMENT
0803		210		27	3			SLOW RATE 3BPM
0807		310		37	2			SLOW RATE 2BPM
0809		360		40	2			CEMENT TO SURFACE
0813		460		47	1			SLOW RATE 1BPM
0822		620		57	1			BUMP TOP PLUG
0823		960		57	-			CHECK FLOAT. FLOAT HOLDING

09:30 DST

REMARKS
Avg Mix Pss 186 Avg Rate 4BPM
Avg Disp Pss 392 Avg Rate 2BPM

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBS	DENSITY
1.	575	2.1	65/35 C/P02 + 6% D20 + 1/4" / 3/16" D29		215	12.2
2.	100	1.32	100% SCS C + 1/4" / 3/16" D29		24	14.8
3.						
4.						
5.						
6.						

ORIGINAL

RECEIVED

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. STATE PERMITS
<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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL.	57 Bbbs
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT <input checked="" type="checkbox"/>	<input type="checkbox"/> WIRELINE
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR
			<u>Jack Pepper</u>	<u>Greg Greenowik</u>

CONSERVATION DIVISION
Wichita, Kansas

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

D.S.I. REPRESENTATIVE

OILFIELD SERVICES
INDUSTRIAL SERVICES

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.

03-12-4825

DSI SERVICE LOCATION NAME AND NUMBER

Ulysses KS 03-12

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

285

CUSTOMER'S
NAME

Cheranne Drilling

ADDRESS

CITY, STATE AND
ZIP CODE

WORKOVER W
NEW WELL N
OTHER

API OR IC NUMBER

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE MO. DAY YR. TIME
LOCATION 10 26 92 0830

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 10 26 92 0830

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

STATE CODE COUNTY / PARISH CODE CITY

Kansas

County

WELL NAME AND NUMBER / JOB SITE

GLASER A-3

LOCATION AND POOL / PLANT ADDRESS

Sec 13-265-386

SHIPPED VIA

DS

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102376-030	Pump chg	EA	1	1165 ⁰⁰	1165 ⁰⁰
059647-000	PIPE	EA	1	135 ⁰⁰	135 ⁰⁰
057200-002	MILEAGE chg	Mi.	10	26 ⁵⁰	265 ⁰⁰
049100-000	SERVICE chg	F3	725	115	833 ⁷⁵
049102-000	DELIVERY chg 62.601" 10M	M/LL	313	.84	262 ⁹²
040003-000	CLASS (A)	F3	474	773	3673 ⁵⁰
045008-000	LITE 108 3	F3	201	383	769 ⁸³
045014-050	REINFORCE	LB	3003	.76	480 ⁴⁸
044003-025	D29 CELLULOSE FLOCC	LB	169	153	258 ⁵⁷
056704-054	TOP DIUS	EA	1	105 ⁰⁰	105 ⁰⁰
056011-054	CENTRALIZERS	EA	5	57 ⁰⁰	285 ⁰⁰
057441-001	THREAD LGS	EA	1	23 ⁰⁰	23 ⁰⁰
048601-000	CMT Head Central	EA	1	60 ⁰⁰	N/C

ORDER RECEIPT

Field Estimate # 8019⁰⁵ Less 50% # 4009⁵³ SUB TOTAL

LICENSE/REIMBURSEMENT FEE

REMARKS: M. LEASE PER Bid
THANKS FOR USING DS

STATE % TAX ON \$
COUNTY % TAX ON \$
CITY % TAX ON \$
SIGNATURE OF DSI REPRESENTATIVE TOTAL \$

ORIGINAL

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.