

ORIGINAL

SIDE ONE

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 _____ PBTD
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____

4/2/92 4/4/92 Delayed
Spud Date Date Reached TD Completion Date

API No. 15 - 055-21062-0000

County Finney

NW - NW - SE - SE Sec. 9 Twp. 25 Rge. 32 East West

1250 Feet from S (circle one) Line of Section

1250 Feet from EW (circle one) Line of Section

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

Lease Name Celona O. Hicks C Well # 2HI

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2,930' KB 2,941'

Total Depth 2,802' PBTD _____

Amount of Surface Pipe Set and Cemented at 1,066 Feet

Multistage 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 DP 10-26-92
(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 10/20/92

Subscribed and sworn to before me this 20 day of October, 1992

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
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator Name Amoco Production Company Lease Name Celona O. Hicks C Well # 2HI
 Sec. 9 Twp. 25 Rge. 32 East County Finney
 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	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input checked="" type="checkbox"/> Sample
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	Name	Top	Datum
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Herington	2,550'	+315
List All E. Logs Run:		Krider	2,576'	+289
		Winfield	2,610'	+255
		Towanda	2,667'	+195
		Council Grove	2,825'	+ 40

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#	1,066'	Class C	475	
Production	7-7/8"	5-1/2"	15.5#	2,802'	Class C	600	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth	Type of Cement	# Sacks Used	Type and Percent Additives
	Top Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(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
N/A					
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) _____

(If vented, submit ACO-18)

METHOD OF COMPLETION _____

Production Interval _____

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY
CELONA O HICKS GU "C" NO 2 HI
SECTION 4-T25S-R32W
FINNEY COUNTY, KANSAS

COMMENCED: 04-02-92
COMPLETED: 04-05-92

SURFACE CASING: 1053' OF 8 5/8"
CMTD W/325 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	0-1066
RED BED	1066-1258
RED BED & SAND	1258-2340
SHALE & LIME	2340-2600
LIME & SHALE	2600-2802 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 6TH DAY OF APRIL, 1992.

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

Becky J. Whetstone
BECKY J. WHETSTONE, NOTARY PUBLIC

RECEIVED
STATE CORPORATION COMMISSION
AUG 31 1992
CONSERVATION DIVISION
Wichita, Kansas



SERVICE ORDER

PERSON TAKING CALL D.S. Fritzsche	DATE/TIME 4/3/92	DS LOCATION Ulysses	TREATMENT NUMBER 03-12-4395
CUSTOMER Cheyenne Drilling	ORDERED BY JACK PEPPER	TELEPHONE	MOBILE
TYPE JOB LS	JOB DATE 4/4/92	ON LOC	PUMP
WELL NAME & NUMBER Clara O Hicks C 2HI	REWORK	LOCATION Sec 9-255-32W	POOL/FIELD ORIGINAL
CONTRACTOR ON SITE Cheyenne #2	DS SALES REPRESENTATIVE	CUSTOMER ORDER NUMBER	COUNTY/PARISH L Finney CO
			STATE KANSAS

TUBING/DP	SIZE	DEPTH MD / TVD	WT	THREAD	TREATMENT VIA TUBING/DP CSG ANN:	PACKER/RETAINER	DEPTH:
CASING:	5 1/2		14 #	8 Rd	SERVICE INSTRUCTIONS:		
LINER:					1 - 5 1/2 TOP Plug		
OPEN HOLE:	12 1/4				5 - 5 1/2 Centralizers		

PERFORATED INTERVALS								FORMATION:	
TOP	TO	BOTTOM	NO. OF HOLES	TOP	TO	BOTTOM	NO. OF HOLES	REQUIRED RATE/PRESS.	
	TO				TO				1 - 5 1/2 Orifice Fill Insert Man
	TO				TO				1 - 5 1/2 Cement Nose Guide Sho
	TO				TO				1 Thread Lock Kit
	TO				TO				
DIAMETER OF PERFORATIONS =								HYDRAULIC HORSEPOWER ORDERED:	
WELLHEAD CONN: 5 1/2 Head Manifold & Swedge								MAX PSI ALLOWABLE:	

SPECIAL INSTRUCTIONS/EQUIPMENT:

SYSTEM DESCRIPTION:

System 1 **450 SKS 6 5/35 (C/Poz) + 6% D-20 + 1/4 #/SK D-29**
 12.2 2.1 11.5

System 2 **150 SKS Class C + 1/4 #/SK D-29**
 14.8 1.32 6.32

System 3 _____

System 4 _____

Additional Materials: _____

Directions: **UKS EAST TO Hwy 83 - North TO Golf Course -**
EAST Thru Yellow Gate - 1/8 mi North - 1/2 mi EAST
North INTO

CEMENTING SERVICE REPORT

ORIGINALS

DOWELL SCHLUMBERGER INCORPORATED

DS-496 PRINTED IN U.S.A.

TREATMENT NUMBER 05-12-4395	DATE 4-5-92
STAGE DS	DISTRICT W/S 505, K5

WELL NAME AND NO. **Colonia O. Hirk's "C" 341** LOCATION (LEGAL) **Sec. 9-25s-32w**

FIELD-POOL **Huoston** FORMATION **Classo**

COUNTY/PARISH **FINNEY** STATE **Kc.** API. NO.

NAME **Chryanne Drilling**

ADDRESS _____ ZIP CODE _____

RIG NAME: **Chryanne #2**

WELL DATA:	BOTTOM	TOP
BIT SIZE 8	CSG/Liner Size	
TOTAL DEPTH 2762	WEIGHT 5	
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE 4	
MUD TYPE	GRADES 5	
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD 820	
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) 42	TOTAL
MUD VISC.	Disp. Capacity 165.1	

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

SPECIAL INSTRUCTIONS

10 bpm lead cmt. 210 psi

6 bpm tail cmt. 180 psi

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **1830** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **1380** PSI BUMP PLUG TO **1380** PSI

ROTATE RPM **10** RECIPROCATE **FT** No. of Centralizers **5**

Float	TYPE	Prifire Fill	Stage Tool	TYPE	
	DEPTH	2762		DEPTH	
Shoe	TYPE	Int Nose	Stage Tool	TYPE	
	DEPTH	2804		DEPTH	

Head & Plugs TBG D.P. SQUEEZE JOB

Double SIZE WEIGHT TOOL TYPE

Single GRADE TAIL PIPE: SIZE DEPTH

Swage THREAD TUBING VOLUME Bbls

Knockoff NEW USED CASING VOL. BELOW TOOL Bbls

BOT CW DEPTH TOTAL Bbls

ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME **7:30** DATE **4-5-92** ARRIVE ON LOCATION TIME **7:30** DATE **4-5-92** LEFT LOCATION TIME **1:00** DATE **4-5-92**

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
1318		200	245		10	H ₂ O	12.2	start H ₂ O ahead
1323		310	16.8		10	cmt.	12.2	start lead cmt.
1346		190	42		10	cmt.	12.2	psi check
1352		180	35			cmt.	14.8	start tail cmt.
1359		0						shut down and wash pump lines
1402		0	65.1		6	H ₂ O		drip top plug start displacement
1405		350	20		6			comment to surface
1409		650	41		5.8			psi check
1410		810	51		5.8			psi check
1412		960	60		2			lower rate
1413		720	63		2			psi check
1415		1380	60		2			bump top plug
1417								check float & holding
								PHD job

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	450	2.10	1.5 c	35port + 6%opol + 4/1029	168	12.2
2.						
3.	150	1.32		class C + 4/1029	35	14.8
4.						
5.						
6.						

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. **120 MIN**

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO **45** Bbls

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **65.7** Bbls TYPE OF WELL OIL STORAGE BRINE WATER GAS INJECTION WILDCAT

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORMANCES TO TO CUSTOMER REPRESENTATIVE **Jack Pepper** DS SUPERVISOR **TAMAS EQUIVAL**

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

D.S.I. REPRESENTATIVE

ORIGINAL

DSI SERVICE ORDER
 RECEIPT AND INVOICE NO.
 03-12-4045

OILFIELD SERVICES
 INDUSTRIAL SERVICES

DSI SERVICE LOCATION NAME AND NUMBER
 11155555 03-12

CUSTOMER NUMBER
 CUSTOMER P.O. NUMBER

TYPE SERVICE CODE
 BUSINESS CODES

CUSTOMER'S NAME
 ADDRESS
 CITY, STATE AND ZIP CODE

WORKOVER W
 NEW WELL N
 OTHER

API OR IC NUMBER
 ARRIVE LOCATION MO. DAY YR. TIME
 4 5 92 0730

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE printed on the reverse side of this form.

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. DAY YR. TIME
 SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

STATE CODE COUNTY / PARISH CODE CITY

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
059250-002	emulsion	mi	10	265	2650
102874-030	well ch	CA	1	116500	116500
048601-000	concrete blocks	CA	1	48000	48000
059177-000	well ch	CA	1	13510	13510
049107-000	haulage	CA	418	84	35112
049100-000	secant	CA	443	175	77525
049003-000	12" x 12" x 12"	CA	159	3.83	601.31
043008-000	12" x 12" x 12"	CA	2350	7.16	16927.00
043014-050	12" x 12" x 12"	CA	751	7.53	5652.03
044003-025	12" x 12" x 12"	CA	1	175.00	175.00
050113-014	extra full	CA	1	220.00	220.00
056011-054	concrete	CA	5	57.00	285.00
056024-054	top	CA	1	105.00	105.00
057499-001	throat lock	CA	1	23.50	23.50

\$ 4074.62

Thank For using DSI

SUB TOTAL 45

REMARKS: LICENSE/REIMBURSEMENT FEE
 STATE 65.7 % TAX ON \$
 COUNTY % TAX ON \$
 CITY % TAX ON \$
 SIGNATURE OF DSI REPRESENTATIVE

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

ORIGINAL **DS**

TREATMENT NUMBER: 05-12-4393 DATE: 4-2-92
 STAGE: DS DISTRICT: Ulysses, Ks.

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO.: Colona O Hirk's C #2H
 LOCATION (LEGAL): Sec 9-25s-32w
 RIG NAME: Choyenne Drilling
 FIELD-POOL: FORMATION: COUNTY/PARISH: Finney STATE: Ks. API. NO.:
 NAME: Choyenne Drilling
 ADDRESS: ZIP CODE: SPECIAL INSTRUCTIONS: 7 1/2 gm load cement, 210 psi; 6 1/2 gm tail cement, 150 psi

WELL DATA: BIT SIZE: 2 1/4" CSG/Liner Size: TOTAL DEPTH: 1066 WEIGHT: 4400
 ROT CABLE FOOTAGE: 4400
 MUD TYPE: GRADE: 150
 BHST BHCT THREAD: 3/4" x 14
 MUD DENSITY: LESS FOOTAGE SHOE JOINTS: 4.4
 MUD VISC.: Disp. Capacity: 65.2

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Float: TYPE: Baffle Plate DEPTH: 1025
 Shoe: TYPE: T + Palleon DEPTH: 1069

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE: 440 PSI CASING WEIGHT - SURFACE AREA (3.14 x R²):
 PRESSURE LIMIT: PSI BUMP PLUG TO: 780 PSI
 ROTATE: RPM RECIPROCATE FT No. of Centralizers: 3

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

JOB SCHEDULED FOR TIME: 1930 DATE: 4-2-92 ARRIVE ON LOCATION TIME: 1930 DATE: 4-2-92 LEFT LOCATION TIME: 0100 DATE: 4-3-92

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	DATE	TIME	DATE
0001 to 2400											
2330	140	10			5 1/2	H2O					
2333	190	122			7	cmf	12.2				
2346	100	75			7	cmf	12.2				
2354	100	35				cmf	14.8				
0001	0										
0002	0	65			6	H2O					
0005	90		20		6	H2O					
0009	170		40		6	H2O					
0011	240		50		6	H2O					
0012	330	✓	60		2	H2O					
0015	780		65		2						
0016											

REMARKS: PRE-JOB SAFETY MEETING
 start H2O ahead
 start load cement
 psi check
 start tail cement
 shut down 4 deep plug
 start displacement
 cement to surface
 psi check
 psi check
 lower rate
 bump top plug
 bleed psi at 70 to 210 psi
 shut head + manifolds
 end job

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED		
			1	2	3	BBLs	DENSITY	
1.	325	2.10	35%oz	6%gal	2%crch	4#/D29	122	12.2
2.								
3.	150	1.32	class C	2%crch	4#/D29		35	14.8
4.								
5.								
6.	495							

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO
 PRESSURE: MAX. 1205 MIN. 45
 Cement Circulated To Surf. YES NO Bbls: 45
 BREAKDOWN: PSI FINAL: 65 Bbls
 TYPE OF WELL: OIL STORAGE BRINE WATER
 GAS INJECTION WILDCAT
 Washed Thru Perfs: YES NO TO: FT. MEASURED DISPLACEMENT: WIRELINE
 PERFORATIONS: TO: TO: CUSTOMER REPRESENTATIVE: Jack Popper DS SUPERVISOR: Tomas Esquivel

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

DISTRICT COPY

OILFIELD SERVICES
INDUSTRIAL SERVICES

ORIGINAL

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.

DSI SERVICE LOCATION NAME AND NUMBER

CUSTOMER NUMBER

CUSTOMER P.O. NUMBER

TYPE SERVICE CODE

BUSINESS CODES

CUSTOMER'S
NAME

ADDRESS

CITY, STATE AND
ZIP CODE

WORKOVER W
NEW WELL N
OTHER

API OR IC NUMBER

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE LOCATION	MO.	DAY	YR.	TIME
	4	2	92	1930

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.	DAY	YR.	TIME
	4	3	92	0016

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
059200-000	mileage	mi.	15	2.65	39.75
102871-010	Pump chg	EA	1	105.00	105.00
048601-000	concrete head - manifold	EA	1	60.00	NIC
054697-000	VARP chg	EA	1	135.00	135.00
044102-000	harding 46032 415	Tool/ni	338	.84	283.92
044100-000	gravel chg	cuft.	520	1.15	598.00
040003-000	0403 class C	sq	361	1.75	2797.75
045008-000	035 vibrator 3	sq	114	3.83	436.62
045014-050	030 vibrator	lb	1696	.10	271.36
061005-100	1612	lb	847	.34	287.98
044003-025	229 cellulosic plates	lb	119	1.53	182.07
57198-000	concrete	EA	3	30.00	90.00
056702-085	Top plug	EA	1	95.00	95.00
057449-001	Thread Lock Kit	EA	1	23.50	23.50
056015-085	Little Plate	EA	1	74.00	74.00
#3371.17					

SUB TOTAL

Field esti: #59483 \$6019.95

LICENSE/REIMBURSEMENT FEE

LICENSE/REIMBURSEMENT FEE

REMARKS:

STATE

% TAX ON \$

COUNTY

% TAX ON \$

CITY

% TAX ON \$

SIGNATURE OF DSI REPRESENTATIVE

TOTAL \$

James Esquivel

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.



ORIGINAL SERVICE ORDER

DS-938-A

PERSON TAKING CALL D.G. Franzen		DATE/TIME 4/1/92	DS LOCATION 01455ES 03-12	TREATMENT NUMBER 4393
CUSTOMER Cheyenne #2		ORDERED BY	TELEPHONE	MOBILE
TYPE JOB Surf	JOB DATE 4/2/92	TIME: ON LOC	PUMP	CUSTOMER REP ON LOCATION
TELEPHONE		MOBILE		

WELL NAME & NUMBER Orion Hicks	REWORK NEW	LOCATION Sec 9-255-32w	POOL/FIELD	COUNTY/PARISH Finney 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: TUBING/DP CSG ANN:	PACKER/RETAINER TYPE DEPTH:
CASING:	8 5/8		24	8 Ad	SERVICE INSTRUCTIONS:	
LINER:					8 5/8 Top Plug	
OPEN HOLE:	12 1/4			BHST	1-8 5/8 Baffle Plate	

PERFORATED INTERVALS								FORMATION:	
TOP	TO	BOTTOM	NO. OF HOLES	TOP	TO	BOTTOM	NO. OF HOLES		
	TO				TO			REQUIRED RATE/PRESS.	
	TO				TO				
	TO				TO			HYDRAULIC HORSEPOWER ORDERED:	
	TO				TO				
DIAMETER OF PERFORATIONS =								MAX PSI ALLOWABLE:	
WELLHEAD CONN: 8 5/8 Head Manifold & Sledge									

SPECIAL INSTRUCTIONS/EQUIPMENT:

SYSTEM DESCRIPTION:

System 1 325 SKS $65/35$ (C) + 6% D-20 + 2% SI + 1/4 #SKD-29
 12.2 2.10 11.5

System 2 150 SKS CLASS C + 2% SI + 1/4 #SKD-29
 14.8 1.32 6.32

System 3 _____

System 4 _____

Additional Materials: _____

Directions: UKS EAST TO Hwy 83 - North TO Golf Course -
 EAST Thru Yellow Gates - 1/8 mi North - 1/8 mi EAST - North
 INTO