

ORIGINAL

SIDE ONE

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

Operator: License # 5952  
Name: Amoco Production Company  
Address P.O. Box 800, Rm. 1833  
City/State/Zip Denver, CO 80201

Purchaser: \_\_\_\_\_  
Operator Contact Person: J. A. Victor  
Phone (303) 830-4009  
Contractor: Name: Cheyenne Drilling  
License: 5382

Wellsite Geologist: \_\_\_\_\_  
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas SL  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

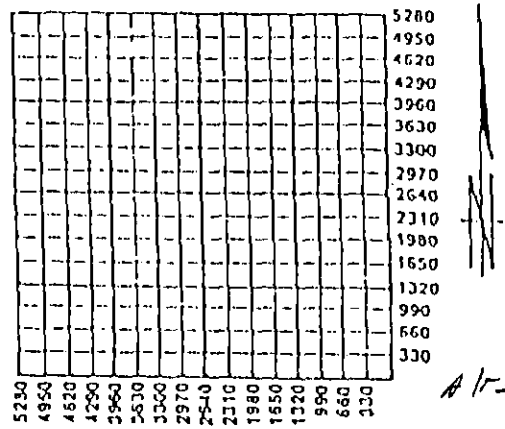
If OACO: old well info as follows:  
Operator: N/A  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
9/14/90 9/16/90 11/27/90  
Spud Date Date Reached TD Completion Date

API NO. 15- 093-21106-0000  
County Kearny  
NE SW SW Sec. 21 Twp. 24 Rge. 37  East West

1250 Ft. North from Southeast Corner of Section  
4030 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Trice G.U. Well # 3HI  
Field Name Hugoton  
Producing Formation Chase  
Elevation: Ground 3271' KB 3283'  
Total Depth 2787' PBID \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 692 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.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule B2-3-130, B2-3-107 and B2-3-106 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 B2-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL GENERATING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Ch Burton  
Title SR. Admin Analyst Date 12/7/90  
Subscribed and sworn to before me this 7th day of December  
19 90.  
Notary Public Julie A Victor  
Date Commission Expires 1/7/94

DEC 14 1990 12-14-90  
K.C.C. OFFICE USE ONLY  
Letter of Confidentiality Attached  
C \_\_\_\_\_ Wireline Log Received  
C \_\_\_\_\_ Drillers Time Log Received  
Distribution  
 KCC  SWD/Rep  IIGPA  
 KGS  Plug  Other  
(Specify)

SIDE TWO

Operator Name Amoco Production Company Lease Name Trice G.U. Well # 3HI  
 Sec. 21 Twp. 24 Rge. 37  East County Kearny  
 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	Formation Description  <input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample  Name                      Top                      Bottom Chase                      2510'                      2787'
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	

CASING RECORD  New  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#	692'	Lite C	220	CACL2
Production	7-7/8"	5-1/2"	15.5#	2787'	Class C	150	CACL2
					35/65 Lite Class C	650	CC
					Class C	100	CC

Shots Per foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
		Frac with 179,448 gals. gelling agent and 8/16 Brady sand	2516-2787'

TUBING RECORD      Size      Set At      Packer At      Liner Run  Yes  No

None

Date of First Production SI      Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil	Dbls.	Gas	Hcf	Water	Bbls.	Gas-Oil Ratio	Gravity
			1500					

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

METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Coningled  Other (specify) slotted casing

Production Interval: 2516-2787'

# DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

9-18

ORIGINAL

OILFIELD SERVICES  
INDUSTRIAL SERVICES

DSI SERVICE ORDER  
RECEIPT AND INVOICE NO.  
0312-3109

DSI SERVICE LOCATION NAME AND NUMBER

CUSTOMER NUMBER: 918166  
CUSTOMER P.O. NUMBER: [blank]  
TYPE SERVICE CODE: 285  
BUSINESS CODES: [blank]

CUSTOMER'S NAME: Amoco

WORKOVER  W  
NEW WELL  N  
OTHER  [blank]

ADDRESS: [blank]  
CITY, STATE AND ZIP CODE: [blank]

IMPORTANT - SEE OTHER SIDE FOR TERMS & CONDITIONS  
ARRIVE LOCATION: MO. DAY YR. TIME

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.

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  
9 16 90

STATE: Ks CODE: [blank] COUNTY/PARISH: Kearny CODE: [blank] CITY: [blank]

WELL NAME AND NUMBER / JOB SITE: Trice H.W. 3 HI LOCATION AND POOL / PLANT ADDRESS: [blank] SHIPPED VIA: [blank]

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
40003-000	Class C	SK	33		231.00
45008-000	PO7	SK	17		39.10
45011-000	D20		261		33.93
49102-000	Ton mileage		44		35.20
49100-000	Service Charge		54		58.32
SERVICE ORDER RECEIPT					

147.09 -

SUB TOTAL				397.55	
LICENSE/REIMBURSEMENT FEE					
LICENSE/REIMBURSEMENT FEE					
REMARKS:	STATE	% TAX ON \$	191.54	8.14	
	COUNTY	% TAX ON \$		1.91	
	CITY	% TAX ON \$			
3790	SIGNATURE OF DSI REPRESENTATIVE	TOTAL	\$	260.51	

## 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.

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.

## 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.

(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

DS-836-A

PERSON TAKING CALL	DATE/TIME	DS LOCATION	TREATMENT NUMBER <b>0312-3109</b>
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CUSTOMER <b>Amelo</b>	ORDERED BY <b>ORIGINAL</b>	TELEPHONE	MOBILE
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TYPE JGB <b>285</b>	JOB DATE	TIME: ON LOG	PUMP	CUSTOMER REP ON LOCATION	TELEPHONE	MOBILE
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WELL NAME & NUMBER <b>Trice A.U. 3 HZ</b>	REWORK NEW	LOCATION	POOL/FIELD	COUNTY/PARISH
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CONTRACTOR ON SITE	DS SALES REPRESENTATIVE	CUSTOMER ORDER NUMBER	STATE
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TUBING/DP:	SIZE	DEPTH MD / TVD	WT	THREAD	TREATMENT VIA: TUBING/DP CSG ANN:	PACKER/RETAINER TYPE: DEPTH:
CASING:					SERVICE INSTRUCTIONS:	
LINER:						
OPEN HOLE:			BHST	BHCT		

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:									

SPECIAL INSTRUCTIONS/EQUIPMENT:

---

SYSTEM DESCRIPTION:

System 1 See treatment # 3104

System 2 \_\_\_\_\_

System 3 \_\_\_\_\_

System 4 \_\_\_\_\_

Additional Materials: \_\_\_\_\_

Directions: \_\_\_\_\_

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REC'D  
STATE OF MISSISSIPPI COMMISSION

DEC 14 1990

CONSERVATION DIVISION  
MOBILE, ALA. 36688



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

**SPECIAL HANDLING CUSTOMER**

ORIGINAL

DSI SERVICE ORDER RECEIPT AND INVOICE NO. 3104  
03-12-3703

CUSTOMER NUMBER

CUSTOMER P.O. NUMBER

DSI SERVICE LOCATION NAME AND NUMBER  
Ulysses, Tx. 03-12-3111

OILFIELD SERVICES   
 INDUSTRIAL SERVICES

CUSTOMER'S NAME

ADDRESS

CITY, STATE AND ZIP CODE

Cheyenne Drilling

TYPE SERVICE CODE  
285

BUSINESS CODES

WORKOVER   
 NEW WELL   
 OTHER

W   
 N

API OR IC NUMBER

IMPORTANT SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE LOCATION

MO. DAY YR. TIME  
9 16 90 1500

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.

Furnish equipment & materials to cement stringing

**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  
9 16 90 2115

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

Dwayne Bell

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
048215-000	PUMP- chg.	EA.	1	1026.00	1026.00
059200-002	mileage	Mi.	19	2.90	45.00
059697-000	HAAR chg	EA.	1	110.00	110.00
049102-000	hauling 269531* x 19	Ton/mi.	661.617	.80	528.80 493.60
049100-000	service chg	CHFT.	207.75	1.08	224.36 812.16
040003-000	D403 class C	ST.	334.496	7.00	2341.47 3430.00
045008-000	D35 114202 B	ST.	327.210	2.30	752.77 483.00
045014-050	D20 Dentonite	16.	3393.3132	.13	441.09 407.16
044003-025	D29 collophano Flakes	16.	288.187	1.37	394.81 256.19
056011-054	centralizers	EA.	8	54.00	270.00
056104-054	TOP plug	EA.	1	100.00	100.00
057499-001	Thread lock Kit	EA.	1	22.00	22.00

ORDER RECEIPT

RECEIVED STATE CORPORATION COMMISSION

2758.61

THANKS FOR USING DSI.

7455.91

Field esti. #7855.

DEC 14 1990

SUB TOTAL

4697.10

REMARKS:

LICENSE/REIMBURSEMENT FEE

LICENSE/REIMBURSEMENT FEE

STATE

COUNTY

CITY

SIGNATURE OF DSI REPRESENTATIVE

% TAX ON \$

% TAX ON \$

% TAX ON \$

TOTAL \$

37%

3130.05

133.02

31.30

Lynn Equival

4861.42

## GENERAL TERMS AND CONDITIONS

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2. **TERMS.** Cash in advance unless DSI has approved credit prior to the sale. Credit terms of sale for approved accounts are total invoice amount due at DSI's office, Houston, Texas, on or before the 30th day from the date of invoice. Past due accounts are to pay interest on the balance past due at the rate of 1 1/2% 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.

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(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.

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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

DS-496 PRINTED IN U.S.A.

ORIGINAL



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 03-12-3104  
 DATE: 9-16-90  
 STAGE: DS DISTRICT: Ulisses, Ks

WELL NAME AND NO.: Trice G.U. #3HT  
 LOCATION (LEGAL): Sec. 21-245-37W  
 FIELD-POOL: Hugoton  
 COUNTY/PARISH: SEARNY  
 STATE: Ks  
 API. NO.:  
 NAME: Chayenne Drilling  
 ADDRESS:  
 ZIP CODE:

RIG NAME: Chayenne Drilling #1  
 WELL DATA: TOP BOTTOM  
 BIT SIZE: 7 7/8 CSG/Liner Size:  
 TOTAL DEPTH: 775.87 WEIGHT: 15.5  
 BOT  CABLE FOOTAGE: 775.83  
 MUD TYPE: GR  
 BHST  BHCT THREADED:  
 MUD DENSITY: LESS FOOTAGE SHOE JOINT(S)  
 MUD VISC.: Disp. Capacity

SPECIAL INSTRUCTIONS:  
Cmt. 5/2 casing  
740psi before bumping plug  
250psi 8 bpm lead cmt.  
210 psi 7.8 bpm tail cmt.  
 IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE: 1812 PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT: PSI BUMP PLUG TO: 1610 PSI  
 ROTATE: RPM RECIPROCATATE: FT No. of Centralizers: 5

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

SHOE	TYPE	DEPTH	STAGE TOOL	TYPE	DEPTH
	<u>Formation packer collar</u>	<u>2519</u>			
		<u>2775.83</u>			

Head & Plugs:  TBG  D.P. SQUEEZE JOB  
 Double  Single  Swage  Knockoff  
 TOP  NEW  USED  
 BOT  OR  DW

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR TIME	ARRIVE ON LOCATION TIME	LEFT LOCATION TIME
0001 to 2400	TBG OR D.P. CASING	INCREMENT CUM	DATE: 9-16-90	DATE: 9-16-90	DATE: 9-16-90

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
2015		2150				H <sub>2</sub> O		PRE-JOB SAFETY MEETING PSI Test
2018		0				H <sub>2</sub> O		start pump to set Formation packer
2019		500				H <sub>2</sub> O		shut down
2021		490				H <sub>2</sub> O		start pump
2022		750				H <sub>2</sub> O		shut down
2024		770				H <sub>2</sub> O		start pump
2024		950				H <sub>2</sub> O		shut down
2026		1050				H <sub>2</sub> O		start pump packer set
2026		140	10		8	H <sub>2</sub> O		start H <sub>2</sub> O ahead
2028		240	243		8	cmt		start lead cement
2058		190	23		8	cmt		start tail cement
2102		0						shut down drop top plug
2102		10	60		6	H <sub>2</sub> O		start displacement
2107		420		30	6	H <sub>2</sub> O		cement to surface
2109		530		40	5.9	H <sub>2</sub> O		40 bbls H <sub>2</sub> O away
2112		750		54	2	H <sub>2</sub> O		lower rate
2115		1610		61	2	H <sub>2</sub> O		bump top plug

REMARKS: check packer holding & end job

SYSTEM CODE	NO. OF SACKS	YIELD CU FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			BBLs	DENSITY		
1.	650	2.1	65% C	243	12.4	
2.			35% spgr + 6% D20 + 4% D29			
3.	100	1.32	class C + 4% D29	23.5	14.8	
4.						
5.						
6.						

BREAKDOWN FLUID TYPE:  HESTATION SQ  RUNNING SQ CIRCULATION LOST:  YES  NO  
 PRESSURE: 8050 MAX. Cement Circulated To Surf.:  YES  NO 30 Bbls  
 BREAKDOWN: PSI FINAL: 59.9 Bbls TYPE OF WELL:  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT  
 Washed Thru Peris:  YES  NO TO: FT MEASURED DISPLACEMENT:  WIRELINE  
 PERFORATIONS: CUSTOMER REPRESENTATIVE: DWAYNE Bell DS SUPERVISOR: James Esquivel



# PACRLog

ORIGINAL

Company Cheyenne Drilling  
 Well Wade Gully #1H2 Field Hegarty  
 District UKS SIR 09-12-3104  
 Type Service 285  
 Engineer James E. Givens  
 Date/Time Start Job 9-16-90 2015  
 Remarks

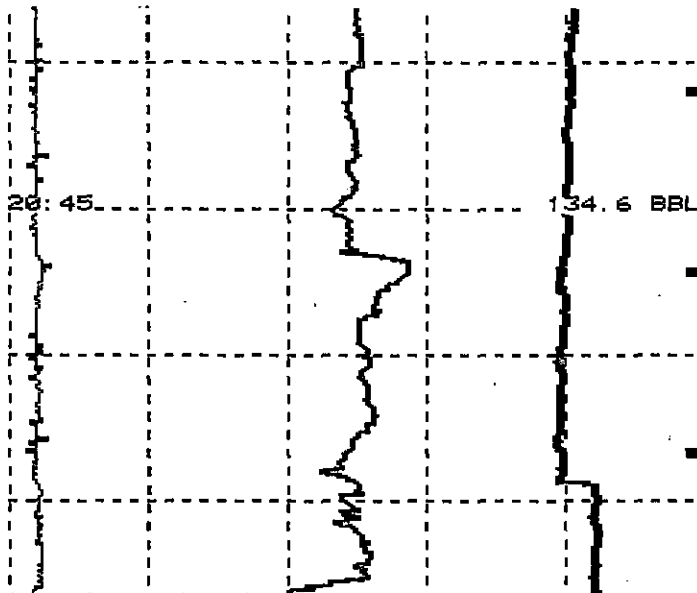
Curve 1 : Unit 1 Pressure  
 Curve 2 : Units 1 and 2 Average Density  
 Curve 3 : Units 1 and 2 Total Flow rate  
 Curve 4 : Disabled

Volume is computed from :  
 Units 1 and 2 Total Flow rate  
 Scan Period (Sec) : 4  
 Real Time : Recording Rate is 1 second

Time	PSI	PPG	Flow Rate	Volume
20:18	0	8.30	1.51	0 BBL
START PUMPING WATER				
20:18	0	8.30	1.51	0.1
SHUTDOWN				
20:19	500	8.30	0.16	0.4
START PUMPING WATER				
20:21	490	8.27	0.01	0.4
SHUTDOWN				
20:22	750	8.28	0.16	0.4
START PUMPING WATER				
20:24	770	8.27	0.01	0.4
SHUTDOWN				
20:24	950	8.27	0.12	0.5
START PUMPING WATER				
20:26	970	8.30	0.02	0.5
START PUMPING WATER				
20:26	140	8.35	0.04	0.5
START MIXING LEAD SLURRY				
20:28	260	9.76	0.19	12.5
RESET VOLUME				
20:28	260	10.47	0.18	12.9
20:30				14.6 BBL

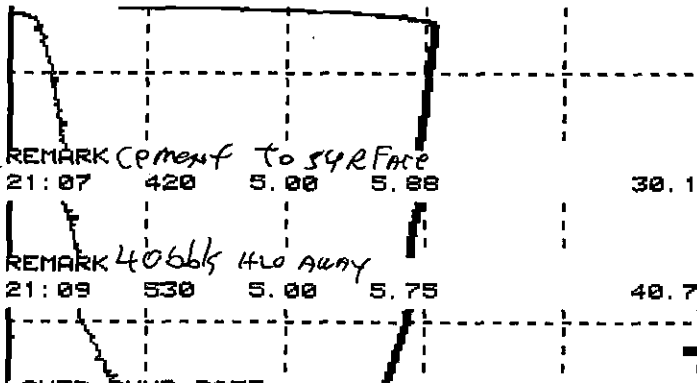
RECORDED  
 DEC 14 1990  
 50.00  
 10.00

ORIGINAL

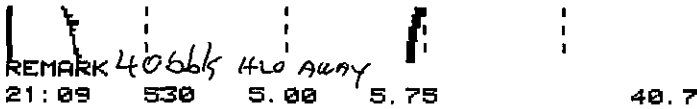


START MIXING TRAIL SLURRY  
 20:58 170 12.25 8.44 241.2  
 RESET VOLUME  
 20:58 190 12.59 8.42 241.6  
 21:00 149.9 BBL

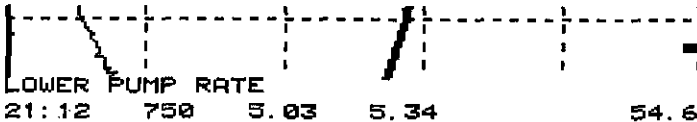
SHUTDOWN  
 21:02 \*\*\* 0 0 19.0  
 RESET VOLUME  
 21:02 \*\*\* 0 0 19.0  
 DROP TOP PLUG  
 21:02 \*\*\* 0 0 0  
 START DISPLACEMENT  
 21:02 10 5.03 3.07 0.3



REMARK Cement to surface  
 21:07 420 5.00 5.88 30.1



REMARK 40 bbls H2O AWAY  
 21:09 530 5.00 5.75 40.7



LOWER PUMP RATE  
 21:12 750 5.03 5.34 54.6



BUMP TOP PLUG  
 21:15 1610 0 0 61.1  
 BLEED-OFF PRESSURE  
 21:16 740 0 0 61.1  
 21:16 50 0 0 61.1  
 END JOB

CEMENT MODE

REAL-TIME MODE - OIL UNITS

RECEIVED  
STATE CORPORATION COMMISSION

DEC 14 1990

Wichita, Kansas



# SERVICE ORDER

# ORIGINAL

3/04

DS-838-A

PERSON TAKING CALL: LANCE DATE/TIME: \_\_\_\_\_ DS LOCATION: ULSSES TREATMENT NUMBER: 03-12-3105

CUSTOMER: CHEYENNE DRILLING ORDERED BY: Dwaine Bell TELEPHONE: \_\_\_\_\_ MOBILE: \_\_\_\_\_

TYPE JOB: \_\_\_\_\_ JOB DATE: \_\_\_\_\_ TIME: ON LOC \_\_\_\_\_ PUMP: \_\_\_\_\_ CUSTOMER REP ON LOCATION: Dwaine Bell TELEPHONE: \_\_\_\_\_ MOBILE: \_\_\_\_\_

WELL NAME & NUMBER: \_\_\_\_\_ REWORK: \_\_\_\_\_ LOCATION: \_\_\_\_\_ POOL/FIELD: HUGOTON COUNTY/PARISH: KEENEY

CONTRACTOR ON SITE: CHEYENNE DS SALES REPRESENTATIVE: \_\_\_\_\_ CUSTOMER ORDER NUMBER: \_\_\_\_\_ STATE: KANSAS

TUBING/DP:	SIZE	DEPTH MD / TVD	WT	THREAD	TREATMENT VIA: CSG ANN:	PACKER/RETAINER
CASING:	<u>5 1/2</u>					
LINER:						
OPEN HOLE:	<u>7 7/8</u>		BHST	BHCT		

SERVICE INSTRUCTIONS: 1-5 1/2" TOP RUBBER PLUG  
5-CENTRALIZERS  
1-THREAD LOCK

PERFORATED INTERVALS				FORMATION:			
TOP	TO	BOTTOM	NO. OF HOLES	TOP	TO	BOTTOM	NO. OF HOLES
	TO				TO		
	TO				TO		
	TO				TO		
	TO				TO		

FORMATION: CHASE

REQUIRED RATE/PRESS. \_\_\_\_\_

HYDRAULIC HORSEPOWER ORDERED: L406

MAX PSI ALLOWABLE: \_\_\_\_\_

DIAMETER OF PERFORATIONS = \_\_\_\_\_

WELLHEAD CONN: 5 1/2" HEAD SWAGE / MANIFOLD

SPECIAL INSTRUCTIONS/EQUIPMENT: \_\_\_\_\_

### SYSTEM DESCRIPTION:

System 1 650 SACKS 35/65 (POZ/C) + 670 D20 + 1/4" D29  
12.4 2.1 11.5

System 2 100 SACKS CLASS C + 1/4" D29

System 3 14.8 1.32 6.32

System 4 \_\_\_\_\_

### Additional Materials:

Directions: UKS - LARKIN - MW - 1/4"

STATE OF \_\_\_\_\_

DEC 14 1950

NO. \_\_\_\_\_

DISTRIBUTION: ORIG - PERMANENT FILE  
COPY - DISTRICT FILE

50 SLS 35/65 ANGL





DOWELL SCHLUMBERGER  
INCORPORATED

ORIGINAL

AUGUST 17, 1990

RE: JOB PACKETS FOR CHEYENNE DRILLING & AMOCO LONGSTRINGS  
40 WELL PACKAGE

CHEYENNE DRILLING WILL PAY FOR 320 SACKS OF CEMENT ON ALL  
LONGSTRINGS, ANYTHING OVER 320 SACKS AMOCO PRODUCTION WILL  
PAY FOR ON A SEPERATE INVOICE ALONG WITH THE CASING HARDWARE  
FROM THE LONGSTRINGS AS WELL AS THE SURFACE JOBS. CHEYENNE  
WILL PAY FOR ALL TOP PLUGS.

THE LOAD TICKETS AND JOB ORDER WILL HAVE THE TOTAL AMOUNT  
ORDERED AND LOADED FOR DS POLICY PURPOSES. FOR INVOICING  
PURPOSES THEIR WILL BE TWO INVOICES FOR THE SAME JOB, BUT  
CHEYENNE DRILLING WILL BE BILLED FOR THEIR PART AND AMOCO  
PRODUCTION WILL BE BILLED FOR THEIRS.

DS POLICY IS TO HAVE THE JOB ORDER AND LOAD TICKET READ THE  
SAME.....TO HELP SOLVE THIS CONFUSION WE WILL HAVE A COPY  
OF THIS LETTER IN EACH CHEYENNE DRILLING AND AMOCO  
PRODUCTIONS PACKET FOR CROSS REFERENCING.

CROSS REFERENCING INVOICE NUMBERS ARE;	CHEYENNE	0312- <u>3104</u>
	AMOCO	0312- <u>3109</u>
	TYPE SERVICE	<u>285</u>

RECEIVED  
STATE OF KANSAS COMMISSION

DEC 14 1990

CONSERVATION DIVISION  
Wichita, Kansas