

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

API No. 15 - 129-21181-0000 ORIGINAL
County Morton
SE - SE - NW - NW Sec. 26 Twp. 32 Rge. 40 East West
4030 Feet from SN (circle one) Line of Section
4030 Feet from EW (circle one) Line of Section

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

Field Name Hugoton
Producing Formation Chase

Elevation: Ground 3289' KB 3299'
Total Depth 3505' PBTD

Amount of Surface Pipe Set and Cemented at 545 Feet
Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 6-10-93
(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. _____

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 SLOW Temp.Abd.
 Gas ENHR SIGW
 Dry Other (Core,WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: old well info as follows:

Operator: _____
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. _____
2/4/93 2/8/93 Delayed
Date Date Reached TD Completion Date

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 June 7, 1993
Subscribed and sworn to before me this 7 day of June, 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
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

RECEIVED
KANSAS CORPORATION COMMISSION
JUN 8 9 1993

CONSERVATION DIVISION
WICHITA, KS
rec'd
6-9-93

P1

Operator Name Amoco Production Company Lease Name Speakman G.U. Well # 3HI
 County Morton
 Sec. 26 Twp. 32 Rge. 40 East West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Herington	2,332'	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Krider	2,354'	
List All E. Logs Run:		Winfield	2,393'	
		Towanda	2,469'	
		Ft. Riley	2,536'	
		Council Grove	2,630'	

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#	545'	Class C	300	
Production	7-7/8"	5-1/2"	15.5#	3,505'	Class C	750	

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
4	3402-3418'; 3290-3300'; 3207-3217';		Frac with 17,100# 10/20 Colo.	3068-3120'
	3110-3120'; 3087-3091'; 3078-3081';		Silica sand	
	3068-3075'			

TUBING RECORD N/A Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours: Oil Bbls. Gas 1500 Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

(If vented, submit ACO-18)

RECEIVED
 STATE CORPORATION COMMISSION
 3068-3120
 JUN 9 1993
 CONSERVATION DIVISION
 Wichita, Kansas

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY
SPEAKMAN GU NO. 3 HI
SECTION 26-T32S-R40W
MORTON COUNTY, KANSAS

COMMENCED: 02-03-93
COMPLETED: 02-08-93

SURFACE CASING: 541' OF 8 5/8"
CMTD W/150 SX 65/35 POZ/C, 6% D-20,
1/4#/SX D-29; TAILED IN W/150 SX "C"
2% SI, 1/4#/SX D-29

FORMATION	DEPTH
SURFACE HOLE	0- 543
RED BED	543-1224
GLORIETTA SAND	1224-1630
RED BED & ANHYDRITE	1630-2219
SHALE & LIME	2219-2590
LIME & SHALE	2590-2812
COUNCIL GROVE	2812-2980
SHALE & LIME	2980-3185
WABAUNSEE	3185-3400
LIME & SHALE	3400-3505 RTD

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KANSAS CORPORATION COMMISSION

JUN 09 1993

CONSERVATION DIVISION
WICHITA, KS

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

RECEIVED

STATE CORPORATION COMMISSION

FEB 17 1993

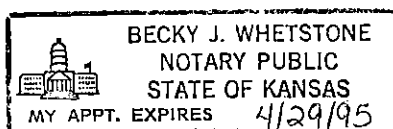
CONSERVATION DIVISION
Wichita, Kansas

CHEYENNE DRILLING, INC.

Claude E. Norwood
CLAUDE E. NORWOOD

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 9TH DAY OF FEBRUARY, 1993.



Becky J. Whetstone
BECKY J. WHETSTONE, NOTARY PUBLIC

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 0312-5027	DATE 2-3-93
STAGE SPT	DS 0312
DISTRICT UKS	

DS-495 PRINTED IN U.S.A.

WELL NAME AND NO SPEAKMAN 511347	LOCATION (LEGAL) SEC 26-32S-40W	RIG NAME Chievonne Rig #3
FIELD POOL Hudson Field	FORMATION	WELL DATA
COUNTY/PARISH Morton	STATE KANSAS	API NO
NAME	ADDRESS	ZIP CODE
SPECIAL INSTRUCTIONS Deliver & set in cement 8 3/8 surface pipe		BIT SIZE 2 1/2
		Casing Liner Size 2 1/2
		TOTAL DEPTH 24
		WEIGHT 540
		FOOTAGE 540
		GRADE
		THREAD 800
		MUD DENSITY 4.0
		LESS FOOTAGE (SHOE JOINTS)
		Disp Capacity 500
		TOTAL 3185

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE 224 PSI	CASING WEIGHT - SURFACE AREA (3.14 x R ²)
PRESSURE LIMIT PSI	BUMP PLUG TO 700 PSI	
ROTATE RPM	RECIPROCATE FT	No. of Centralizers 3

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION																									
	TBG OR DP	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE																									
0010 to 2400																																			
0010																																			
0020		2000																																	
0027		110	10		5	h2o	8.34																												
0029		110	56	10	5	cmf	12.7																												
0047		170	35	16	5	hwt	14.8																												
0049				101																															
0050																																			
0051		110	32		5	h2o	8.34																												
0058		120		133	2	hwt	8.34																												
0102		700				h2o	8.34																												
0103		300																																	
<table border="1"> <thead> <tr> <th>LEAD</th> <th>TAIL</th> <th>DISPLACEMENT</th> <th>AVE</th> <th>RATE</th> <th>PSI</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>5</td> <td>100</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>5</td> <td>170</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>5</td> <td>140</td> </tr> </tbody> </table>												LEAD	TAIL	DISPLACEMENT	AVE	RATE	PSI					5	100					5	170					5	140
LEAD	TAIL	DISPLACEMENT	AVE	RATE	PSI																														
				5	100																														
				5	170																														
				5	140																														

REMARKS: Bump top plug to 700 PSI
11 BBLs cement to surface = 29 SFS to pit

SYSTEM CORE	NO OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED		
			BBLs	DENSITY	BBLs	DENSITY	
1	150	2.1	25/65 700/C + 60 D-20 + 2% S1 + 1/4 #SK D-29	56	12.2		
2	150	1.32	CLASS C + 2% S1 + 1/4 #SK D-29	35	14.8		
3							
4							
5							
6							

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE
<input type="checkbox"/> RESTITUTION SO	<input type="checkbox"/> RUNNING SO	CIRCULATION LOST	700 MAX 100 MIN
BREAKDOWN PSI	FINAL PSI	DISPLACEMENT VOL	Cement Circulated To Surf <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO 11 Bbls
Washed Parts <input type="checkbox"/> YES <input type="checkbox"/> NO	TO FT	MEASURED DISPLACEMENT	TYPE OF WELL <input type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT
PERFORMED BY	CUSTOMER REPRESENTATIVE	DS SUPERVISOR	
	DEWAINE	Chivonne Elliott	

RECEIVED
TO
TO

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

D.S.I. REPRESENTATIVE

ORIGINAL

OILFIELD SERVICES
 INDUSTRIAL SERVICES

DSI SERVICE ORDER
 RECEIPT AND INVOICE NO.
 03-12-5027

DSI SERVICE LOCATION NAME AND NUMBER
 0312-4KS

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

CUSTOMER'S NAME
 CHEYENNE Drilling

WORKOVER W
 NEW WELL N
 OTHER

ADDRESS

IMPORTANT
 SEE OTHER SIDE FOR TERMS & CONDITIONS
 ARRIVE MO. DAY YR. TIME
 LOCATION 2 3 93 2200

CITY, STATE AND ZIP CODE

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.

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.

Safety cement 8 3/8 surface

JOB COMPLETION MO. DAY YR. TIME
 3 4 93 0604

STATE CODE COUNTY / PARISH CODE CITY
 KANSAS MORTON

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
 D. Bell

WELL NAME AND NUMBER / JOB SITE LOCATION AND POOL / PLANT ADDRESS SHIPPED VIA
 SPEAKMAN GU 3HI Sec 26-325-40W DS

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102871-010	Pump TRK CHG.	EA	1	\$740.00	\$740.00
05967-600	PACK REORDER	EA	1	\$140.00	\$140.00
05920-002	MILNER ON Pump	ML	246	\$2165	\$532.50
049100-000	SERVICE CHG	FT ³	323	\$1120	\$361.76
049162-000	DELIVERY CHG	TM	286	\$0.88	\$251.68
04003-000	CLASS 8 CEMENT	FT ³	248	\$7.98	\$1979.04
045008-000	LITERALS 3	FT ³	52	\$3.94	\$204.88
045014-050	D-20 Bentonite	lbs	748	\$0.15	\$112.20
067005-100	S-I Calcium Chloride	lbs	543	\$0.36	\$195.48
044003-025	D-29 Cellulose Fluffs	lbs	76	\$1.59	\$120.84
056704-085	1-8 3/8 Top Plug	EA	1	\$155.00	\$155.00
056015-085	1-8 3/8 BATTLE PLUME	EA	1	\$80.00	\$80.00
056011-085	3-8 3/8 MULTIFLIZERS	EA	3	\$74.00	\$222.00
057499-001	1- Threadlock Kit	EA	1	\$25.00	\$25.00

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 CONSERVATION DIVISION
 WICHITA, KS

Field Est 284670 40672 Less 39% 284670 SUB TOTAL

LICENSE/REIMBURSEMENT FEE
 LICENSE/REIMBURSEMENT FEE
 REMARKS: TAXES PER USING DS
 STATE % TAX ON \$
 COUNTY 32 % TAX ON \$
 CITY % TAX ON \$
 SIGNATURE OF DSI REPRESENTATIVE TOTAL \$

GENERAL TERMS AND CONDITIONS

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

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

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

9. SERVICE WARRANTY. In interpreting information and making recommendations, either written or oral, as to type or amount of material or service to be furnished, or manner of performance, or in predicting results to be obtained therefrom, DSI will give Customer the benefit of its best judgment based on its experience in the field. Nevertheless, all such recommendations or predictions are opinions only; and, in view of the impracticability of obtaining first-hand knowledge of the many variable conditions and/or the necessity of relying on facts and supporting services furnished by others, NO WARRANTY IS GIVEN CONCERNING THE EFFECTIVENESS OF THE MATERIALS USED, RECOMMENDATIONS GIVEN, OR THE SERVICES RENDERED.

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

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

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

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

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

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

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

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

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STATE CORPORATION COMMISSION
JUN 9 1993
CONSERVATION DIVISION
Wichita, Kansas

CEMENTING SERVICE REPORT



TREATMENT NUMBER 03-12-2035	DATE 2-8-93
STAGE DS	DISTRICT 014502 ds

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. Spearman 4.11.3 ds	LOCATION (LEGAL) Sec 26-323-40W	RIG NAME: Cheyenne 43
FIELD-POOL Horton	FORMATION Alsea	WELL DATA: BIT SIZE 7 7/8 CSG/Liner Size 5 1/2
COUNTY/PARISH Morton	STATE KS	API. NO.
NAME Cheyenne Drilling	AND	WELL DATA: TOTAL DEPTH 3235' WEIGHT 1550
ADDRESS	ZIP CODE	WELL DATA: ROT CABLE FOOTAGE 3525
SPECIAL INSTRUCTIONS Furnish Materials + Equipment for 512 L.S.	IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	WELL DATA: MUD TYPE GRADE
	LIFT PRESSURE 2300 PSI CASING WEIGHT = SURFACE AREA (3.14 x R ²)	WELL DATA: MUD DENSITY 2.90 LESS FOOTAGE SHOE JOINT(S) 46.9
	PRESSURE LIMIT PSI BUMP PLUG TO 2040 PSI	WELL DATA: MUD VISC. Disp. Capacity 3478.51
	ROTATE RPM RECIPROCATE FT No. of Centralizers 5	WELL DATA: MUD TYPE GRADE

ORIGINAL

NOTE: Include Footage From Ground Level To Head In Disp. Capacity	Float TYPE OF INSERT	Stage Tool TYPE
	DEPTH 3478.51	DEPTH
	SHOE TYPE CAT NOSE	SHOE DEPTH
Head & Plugs <input type="checkbox"/> Double <input checked="" type="checkbox"/> Single <input type="checkbox"/> Swage <input type="checkbox"/> Knockoff	<input type="checkbox"/> TBG <input type="checkbox"/> D.P.	SQUEEZE JOB
TOOL SIZE WEIGHT GRADE THREAD	TOOL DEPTH	TAIL PIPE: SIZE DEPTH
TOP <input checked="" type="checkbox"/> NEW <input type="checkbox"/> USED	BOT <input type="checkbox"/> NEW <input type="checkbox"/> USED	TUBING VOLUME Bbls
CASING VOL. BELOW TOOL Bbls	ANNUAL VOLUME Bbls	

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME: 1000	DATE: 2-8-93	TIME: 0945	DATE: 2-8-93	TIME: 1630	DATE: 2-8-93	
0001 to 2400											
1453	380	20	8	1420	834						
1455	460	150	26	8	122						
1454	310	82	170		148						
1503	-		252								
1506	-		252								
1508	-		252								
1508	-	83	252	7	1120	834					
1514	520		31	7							
1515	600		40	6							
1516	780		50	5							
1518	870		60	4							
1521	930		70	2							
1527	1400		82	2							
1527	2040		82	-							
15:30											

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JUN 09 1993

CONSERVATION DIVISION WICHITA, KS

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	400	2.1	45/35 C/P02 + 6% B201 1/4" #1 BK 129				150	12.2
2.	350	1.32	Class C + 1/4" #1 BK 129				82	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 2040	MIN:
<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	52 Bbls
BREAKDOWN PSI FINAL	PSI	DISPLACEMENT VOL. 82 Bbls	TYPE OF WELL	<input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS	<input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO FT.	MEASURED DISPLACEMENT 82	<input type="checkbox"/> WIRELINE	<input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT	
PERFORATIONS	CUSTOMER REPRESENTATIVE	DS SUPERVISOR			
TO TO	Douglas Bell	Greg Bennett			

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

D.S.I. REPRESENTATIVE

ORIGINAL

DSI SERVICE ORDER
 RECEIPT AND INVOICE NO.
 03-12-5035

OILFIELD SERVICES
 INDUSTRIAL SERVICES

CUSTOMER NUMBER _____ CUSTOMER P.O. NUMBER 0145303 KS
 DSI SERVICE LOCATION NAME AND NUMBER 03-12

CUSTOMER'S NAME Cherokee Drilling
 ADDRESS _____
 CITY, STATE AND ZIP CODE _____

TYPE SERVICE CODE _____ BUSINESS CODES _____
 WORKOVER W
 NEW WELL N
 OTHER

IMPORTANT
 SEE OTHER SIDE FOR TERMS & CONDITIONS
 ARRIVE LOCATION MO. DAY YR. TIME
2 8 93 0945

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
2 8 93 1530
 SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
K. M. Bell

STATE Kansas CODE _____ COUNTY / PARISH Morton CODE _____ CITY _____
 WELL NAME AND NUMBER / JOB SITE Speckman G.U. #3 HT LOCATION AND POOL / PLANT ADDRESS Sec 26-323-4060

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102871-035	Pump chg	EA	1	128.00	128.00
057697-000	PACR	EA	1	140.00	140.00
059200-002	MILEAGE chg	M	20	2.65	53.00
049100-000	SERVICE chg	EA	785	1.20	942.00
049102-000	4500	EA	700	.82	574.00
040003-000	4500	EA	419	7.98	3344.82
045008-000	310	EA	140	3.94	551.60
045014-050	D20 PERMANENT	EA	2088	.15	313.20
044003-025	D29 CELLULOSE FLAKE	EA	100	1.57	157.00
050101-054	OUT ROSE GUIDE SHOE	EA	1	145.00	145.00
053003-054	OFFICE FILL INSERT	EA	1	230.00	230.00
056011-054	CENTRALIZERS	EA	5	63.00	315.00
056702-054	TOP DRUG	EA	1	67.00	67.00
057499-001	Threadlock	EA	1	25.00	25.00

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 CONSERVATION DIVISION
 WICHITA, KS

Field Estimate # 9844 52 LESS 44% # 5512 23 SUB TOTAL _____
 REMARKS: Please Permitted
Thanks for using D.S.I.
 LICENSE/REIMBURSEMENT FEE _____
 STATE _____ % TAX ON \$ _____
 COUNTY 82 % TAX ON \$ _____
 CITY _____ % TAX ON \$ _____
 SIGNATURE OF DSI REPRESENTATIVE _____ TOTAL \$ _____

GENERAL TERMS AND CONDITIONS

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

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

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.

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STATE CORPORATION COMMISSION

JUN 9 1993

CONSERVATION DIVISION
Wichita, Kansas



SERVICE ORDER

DS-839-A
 CUSTOMER: **Cheyenne Drilling**
 TYPE JOB: **5 1/2" S** JOB DATE: **2-6-93** TIME: ON LOC PUMP
 PERSON TAKING CALL: **Duaine Bell** DATE/TIME: **2-6-93** DS LOCATION: **WYSSSES, KS.** TREATMENT NUMBER: **03-12-5035**
 ORDERED BY: **Duaine Bell** TELEPHONE MOBILE
 CUSTOMER REP ON LOCATION TELEPHONE MOBILE
 WELL NAME & NUMBER: **SPEAKMAN GU 3 HI** REWORK (NEW) LOCATION: **Sec 26-32S-40W** POOL/FIELD
 CONTRACTOR ON SITE: **Cheyenne #3** DS SALES REPRESENTATIVE: **TY** CUSTOMER ORDER NUMBER STATE: **KANSAS**

ORIGINAL

TUBING/DP: SIZE DEPTH MD / TVD WT THREAD TREATMENT VIA: Packer/Retainer
 CASING: **5 1/2 ± 3500'** **14 #** **8rd** TUBING/DP: **CSG** ANN: TYPE: DEPTH:
 LINER: SERVICE INSTRUCTIONS:
 OPEN HOLE: **7 7/8 ± 3500'** BHST BHCT **1 - 5 1/2 TOP PLUG**
5 - 5 1/2 CENTRALIZERS

PERFORATED INTERVALS								FORMATION:	
TOP	TO	BOTTOM	NO. OF HOLES	TOP	TO	BOTTOM	NO. OF HOLES		
	TO				TO			REQUIRED RATE/PRESS.	1 - Threadlock kit
	TO				TO				1 - Cement nose guide shoe 5 1/2
	TO				TO			HYDRAULIC HORSEPOWER ORDERED:	1 - Auto-Fill Flapper Insert - 5 1/2
	TO				TO				44% DISCOUNT

DIAMETER OF PERFORATIONS =
 WELLHEAD CONN: **5 1/2" HEAD, MANIFOLD SWAGE**
 SPECIAL INSTRUCTIONS/EQUIPMENT:

SYSTEM DESCRIPTION: **LEAD:**
 System 1 **400 SKS 6 5/35 (C/POZ) + 6% D20 + 1/4 1/2 SK D29**
12.2 ppg 2.10 CUFT/SK 11.5 GAL/SK
 System 2 **TAIL**
350 SKS CLASS "C" + 1/4 #/SK D29
 System 3 **14.8 ppg 1.32 CUFT/SK 6.32 GAL/SK**
 System 4

Additional Materials:

Directions: **Co-op Elevator on DERMONT Rd. - 5mi South to Hwy 51**
1 mi South - 3/4 mi EAST - South; West into Loc.

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 WICHITA, KS

LEAD

SYSTEM 400 SKS 65/35 (C/AZ) + 690 D20 + 1/4#/SK D29		
DENSITY:	12.2	YIELD: 2.10 H2O: 11.7 TT:
VISC:	BREAK TIME:	SP. GR:
DS CODE	QTY PER BLEND	TOTAL QTY
D903, C	260 Sks	24,440 lbs
D35, P ₁₂	140 Sks	10,360 lbs
D20, Gel	690 l	2,088 lbs
D29	1/4#/sk	100 lbs
	/	
	/	36,988 lbs
	/	
	/	
	/	
	/	

SYSTEM		
DENSITY:	YIELD:	H2O: TT:
VISC:	BREAK TIME:	SP. GR:
DS CODE	QTY PER BLEND	TOTAL QTY
	/	
	/	
	/	
	/	
	/	
	/	
	/	
	/	
	/	
	/	

TAIL

SYSTEM 350 SKS CLASS C + 1/4#/sk D29		
DENSITY:	14.8	YIELD: 1.32 H2O: 6.32 TT:
VISC:	BREAK TIME:	SP. GR:
DS CODE	QTY PER BLEND	TOTAL QTY
D903, C	350 Sks	32,900
D29	1/4#/sk	88
	/	
	/	32,988
	/	
	/	
	/	
	/	
	/	

SYSTEM		
DENSITY:	YIELD:	H2O: TT:
VISC:	BREAK TIME:	SP. GR:
DS CODE	QTY PER BLEND	TOTAL QTY
	/	
	/	
	/	
	/	
	/	
	/	
	/	
	/	
	/	
	/	

CALCULATED BY: T. Wetzel

EQUIPMENT / PERSONNEL

EQUIP. OR EMPLOYEE PREFIX & NUMBER	LEAVE DIST.		ARRIVE LOC.		LEAVE LOC.		ARRIVE DIST.		PUMPING TIME HRS:MINS	LOANING DIST. FUNCTION
	DAY	HOUR	DAY	HOUR	DAY	HOUR	DAY	HOUR		

MATERIAL SUMMARY

DS CODE	TOTAL
D903	57,340
D35	10,360
D20	2,088
D29	188
Centralizers	5
Cut rope G.S.	1
Auto-fill Plug/Tank	1
Top flue	1
Throat lock	1

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CONSERVATION DIVISION
Wichita, Kansas



SERVICE ORDER

DS-836-A
 CUSTOMER: **Cheyenne Drilling**
 TYPE JOB: **5 1/2" /s** JOB DATE: **2-6-93**
 WELL NAME & NUMBER: **SPEAKMAN GU 3HI**
 CONTRACTOR ON SITE: **Cheyenne #3**

PERSON TAKING CALL: **Tomy** DATE/TIME: **2-6-93** DS LOCATION: **WYSSSES, KS.** TREATMENT NUMBER: **03-17-5035**
 ORDERED BY: **Duaine Bell** TELEPHONE: _____ MOBILE: _____
 CUSTOMER REP ON LOCATION: _____ TELEPHONE: _____ MOBILE: _____

REWORK: **(NEW)** LOCATION: **Sec 26-325-40W** POOL/FIELD: _____ COUNTY/PARISH: **Morton**
 DS SALES REPRESENTATIVE: **TY** CUSTOMER ORDER NUMBER: _____ STATE: **KANSAS**

TUBING/DP:	SIZE	DEPTH MD / TVD	WT	THREAD	TREATMENT VIA: CSG ANN:	PACKER/RETAINER
CASING:	5 1/2	± 3500'	14 #	8rd	SERVICE INSTRUCTIONS:	DEPTH:
LINER:					1 - 5 1/2 TOP PLUG	
OPEN HOLE:	7 7/8	± 3500'	BHST	BHCT	5 - 5 1/2 Centralizers	

PERFORATED INTERVALS								FORMATION:	
TOP	TO	BOTTOM	NO. OF HOLES	TOP	TO	BOTTOM	NO. OF HOLES		
	TO				TO			REQUIRED RATE/PRESS.	1 - Threadlock kit
	TO				TO				1 - Cement nose Guide sleeve 5 1/2
	TO				TO				1 - Auto-Fill Flapper Insert - 5 1/2
	TO				TO			HYDRAULIC HORSEPOWER ORDERED:	44% DISCOUNT
	TO				TO			MAX PSI ALLOWABLE:	

DIAMETER OF PERFORATIONS = _____
 WELLHEAD CONN: **5 1/2" HEAD, MANIFOLD: SWAGE**
 SPECIAL INSTRUCTIONS/EQUIPMENT: _____

SYSTEM DESCRIPTION: **LEAD:**
 System 1 **400 SKS 6 5/35 (C/POZ) + 6% D20 + 1/4" /sk D29**
12.2 ppg 2.10 cuft/sk 11.5 gal/sk
 System 2 **TAIL**
350 SKS CLASS "C" + 1/4" /sk D29
14.8 ppg 1.37 cuft/sk 6.32 gal/sk
 System 3 _____
 System 4 _____

Additional Materials: _____

Directions: **Co-op Elevator on DERMONT Rd. - 5mi South to Hwy 51**
1mi South - 3/4 mi EAST - South; West into Loc.

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JUN 09 1993

CONSERVATION DIVISION
 WICHITA, KS

LEAD

SYSTEM 400 SKS 65/35 (C/AZ) + 690 D20 + 114#/SK D29			
DENSITY: 12.2	YIELD: 2.10	H2O: 11.7	TT:
VISC:	BREAK TIME:	SP. GR:	
DS CODE	QTY PER BLEND	TOTAL QTY	
D903, C	260 SKS	24,440 lbs	
D35, P2	140 SKS	10,360 lbs	
D20, Gel	690 /	2,088 lbs	
D29	114#/SK	100 lbs	
/	/	/	
/	/	36,988 lbs	
/	/	/	
/	/	/	
/	/	/	

SYSTEM			
DENSITY: !	YIELD: 11.7	H2O:	TT:
VISC:	BREAK TIME:	SP. GR:	
DS CODE	QTY PER BLEND	TOTAL QTY	
/	/	/	
/	/	/	
/	/	/	
/	/	/	
/	/	/	
/	/	/	
/	/	/	

TAIL

SYSTEM 350 SKS CLASS C + 114#/SK D29			
DENSITY: 14.8	YIELD: 1.32	H2O: 6.32	TT:
VISC:	BREAK TIME:	SP. GR:	
DS CODE	QTY PER BLEND	TOTAL QTY	
D903, C	350 SKS	32,900	
D29	114#/SK	88	
/	/	/	
/	/	32,988	
/	/	/	
/	/	/	
/	/	/	
/	/	/	

SYSTEM			
DENSITY:	YIELD:	H2O:	TT:
VISC:	BREAK TIME:	SP. GR:	
DS CODE	QTY PER BLEND	TOTAL QTY	
/	/	/	
/	/	/	
/	/	/	
/	/	/	
/	/	/	
/	/	/	
/	/	/	

CALCULATED BY: T. Wetzel

EQUIPMENT / PERSONNEL										
EQUIP. OR EMPLOYEE PREFIX & NUMBER	LEAVE DIST.		ARRIVE LOC.		LEAVE LOC.		ARRIVE DIST.		PUMPING TIME HRS:MIN	LOANING DIST. FUNCTION
	DAY	HOUR	DAY	HOUR	DAY	HOUR	DAY	HOUR		

MATERIAL SUMMARY	
DS CODE	TOTAL
D903	57,340
D35	10,360
D20	2,088
D29	188
Centralizers	5
Cut size G.S.	1
Auto-fill Flapper	1
Top flue	1
Throttle Lock	1
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