

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

Operator: License # 5293
Name: Helmerich & Payne, Inc.
Address P.O. Box 558
Garden City, Kansas 67846
Purchaser: CIG
Operator Contact Person: Ken Jehlik
Phone (316) 276-3693
Contractor: Name: Cheyenne Drilling
License: _____
Wellsite Geologist: None
Designate Type of Completion
 New Well Re-Entry Workover

Oil SVD SIGW Temp. Abd.
 Gas ENHR SIGU
 Dry Other (Core, WSV, 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/SVD
Plug Back _____ PSTD _____
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
 WLE Other (SVD or Inj?) Docket No. 194783
12-14-96 12-16-96 C-28032
Spud Date Date Reached TD Completion Date
2-3-97
State Test

API NO. 15- 093-215570000 ORIGINAL
County Kearny
NW SE Sec. 14 Twp. 26S Rng. 35
2730 Feet from SW (circle one) Line of Section
500 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name CB&L Well # 1-2
Field Name Hugoton
Producing Formation Chase
Elevation: Ground 2993 KB 3004
Total Depth 2820 PSTD 2796
Amount of Surface Pipe Set and Cemented at 546 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 2812
feet depth to Surf w/ 550 sz cat
Drilling Fluid Management Plan A14.2, 3-20-98 v.c.
(Data must be collected from the Reserve Pit)
Chloride content 800 ppm Fluid volume 2200 bbl
Desulfuring method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
Quarter Sec. Twp. Rng. E/W
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with 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 and correct to the best of my knowledge.

Signature Ken Jehlik
Title District Manager
Subscribed and sworn to before me this 17 day of February
19 97
Notary Public Judith R. Palmer
Date Commission Expires August 15, 2000
NOTARY PUBLIC
02-11-1997

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC (SVD/Rep) NEPA
 KGS Plug Other
(Specify)
11/97

Operator Name Helmerich & Payne, Inc.

Lease Name CB&L

Well # 1-2

Sec. 14 Twp. 26S Rge. 35

East
 West

County Kearny

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

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:
GRN

Log Formation (Top), Depth and Datum Sample

Name Top Datum

CASING RECORD <input 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 3/4	8 5/8	24	546	Howcolite C	150	1/4# flake
					Class C	100	2% CC 1/4# flake
Production	7 7/8	5 1/2	15 1/2	2812	65/35 Poz C	425	6% gel, 1/4# flak
					50/50 Poz C	125	2% gel, 10% sal 1/4# flake

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	2	Herington/Krider	2506-2543	3000 gal 7 1/2% HCl, 44000 gal
2	Winfield	2561-2586	20# linear gel, 40000 gal 20#	
1 JSP3F	U. Ft. Riley	2616-2646	x-link gel, 6000# 30-70sd, 30000#	
1 JSP3F	L. Ft. Riley	2667-2676	20-40sd, 22500# 16-30sd. 142000# 12-20sd	

TUBING RECORD Size None Set At _____ Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. 1-28-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 0 bbls. Gas 488 Mcf Water 0 bbls. Gas-Oil Ratio _____ Gravity _____

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval 2506-2676

SUMMARY

FIELD LOCATION

LABORER'S

BILLED ON RECEIPT NO.

FIELD H 26 35 COUNTY KENNY STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>2</u>	<u>24"</u>	<u>8 3/8</u>	<u>KIA</u>	<u>546'</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12/14/96</u>	DATE <u>12/14/96</u>	DATE <u>12/14/96</u>	DATE <u>12/14/96</u>
TIME <u>10:00</u>	TIME <u>17:00</u>	TIME <u>22:50</u>	TIME <u>23:34</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>DAVO BACON</u>	<u>170</u>	<u>LABORER'S</u>
<u>D5360</u>	<u>94453</u>	<u>SPECIAL SERVICES</u>
<u>JOHN KROFT</u>	<u>RENT</u>	<u>LABORER'S</u>
<u>85357</u>	<u>51276-731</u>	<u>SPECIAL SERVICES</u>
<u>SM GRAD</u>	<u>51276-731</u>	<u>LABORER'S</u>
<u>H4639</u>	<u>57781-77031</u>	<u>LABORER'S</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
<u>ALUM. SAFETY 8 3/8</u>	<u>1</u>	<u>3</u>
FLOAT SHOE		<u>3</u>
GUIDE SHOE		<u>3</u>
CENTRALIZERS <u>8 3/8</u>	<u>3</u>	<u>3</u>
BOTTOM PLUG		<u>3</u>
TOP PLUG <u>SW 8 3/8</u>	<u>1</u>	<u>3</u>
HEAD <u>P.C. 8 3/8</u>	<u>1</u>	<u>3</u>
PACKER		
OTHER <u>WELA-4 1 1/2</u>	<u>1</u>	

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____

ACID TYPE _____ GAL. _____

ACID TYPE _____ GAL. _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT 5001

DESCRIPTION OF JOB 8 3/8 SURF

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X John Pepper

HALLIBURTON OPERATOR DAVO BACON

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBS./GAL.
	<u>150</u>	<u>PRET RTWT.</u>	<u>S.W.</u>	<u>B</u>	<u>2% CC, 14% FLOCCLE</u>	<u>2.06</u>	<u>12.3</u>
	<u>100</u>	<u>PRET T</u>	<u>S.W.</u>	<u>B</u>	<u>2% CC, 14% FLOCCLE</u>	<u>1.32</u>	<u>14.8</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 42.84 REASON SHOE JOINT

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____

CEMENT GURRY: BBL.-GAL. 55 LIT. 23.5 FL.

TOTAL VOLUME: BBL.-GAL. 78.5

REMARKS SEE JOB 206

150
8 3/8 surf CB & L 1-2

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FEB 14 1997

CUSTOMER (MOR) LEASE C.B.F.K. WELL NO. 1-2 JOB TYPE 8 3/8 DATE 12/14/96

JOB LOG HAL-2013-C

CUSTOMER		WELL NO.		LEASE		DR TYPE		TICKET NO.	
H&D Inc		1-2		C.B.L.		8 3/4 Surface		107437	
CHART NO.	TIME	RATE (GPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				A	B	TUBING	CASING		
	16:00								Call Out
	19:00								On location
	19:30								Safety meeting ORIGINAL
									Run Float Equipment
	22:50								Circulate Note
	23:08	6	55			120			Mix 5 Pump Lead CMT 12.3 #/GAL
	23:18	6	23.5			100			Mix 5 Pump Tail Cement 14.8 #
	23:33								Drop Plug
	23:26	5	32			180			Start Displacement
	23:34								Land Plug
	23:35								End Job
									10 BBL CMT CIRCULATE TO PET
									275# CMT

Thank You
Dano - John - SAN

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MPT FEB 11 P 1:23

DOWELL

A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION

P.O. BOX 4378 HOUSTON, TEXAS 77210

KSCC 5 1/2 Prod 199

CUSTOMER

OILFIELD SERVICES

Dowell Service Order Receipt & Invoice No: **12 8832**
 Dowell Service Location Name and Number: **03 12 4KS**

CUSTOMER'S NAME: **Helmreich & Payne**
 ADDRESS: _____
 CITY, STATE AND ZIP CODE: _____

ORIGINAL

Dowell will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS in accordance with the general terms and conditions as printed on the reverse side of this service order and/or attached to this service order. This service order is subject to alternative dispute resolution.

IMPORTANT SEE OTHER SIDE FOR TERMS & CONDITIONS				
ARRIVE LOCATION	MO.	DAY	YR.	TIME
	12	16	96	1200

SERVICE ORDER I authorize work to begin per service instructions in accordance with terms and conditions printed on the reverse side of this form and/or attached to this form and represent that I have authority to accept and sign this order.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
Michael Kowalsky

JOB COMPLETION	MO.	DAY	YR.	TIME
	12	16	92	1745

SERVICE RECEIPT I certify that the materials and services listed were received and all services performed in a workmanlike manner.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
Michael Kowalsky

CUSTOMER NUMBER: _____ CUSTOMER PO/CONTRACT NUMBER: _____ TYPE SERVICE CODE: **285** WORKOVER NEW WELL OTHER: W N O AFE NUMBER: _____

STATE: **KS** CODE: _____ COUNTY/PARISH: **Kearny** CODE: _____ CITY: _____

WELL NAME AND NUMBER/JOB SITE: **CBFL #1-2** LOCATION NAME AND NUMBER/OFFSHORE PLATFORM: **Sec 14-26S-35W**

ACCOUNTING CODES: _____ ROUND TRIP MILEAGE: **56**

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102871020	Pump Charge	EA	1	1400.00	1400.00
059697000	Pri:m	EA	1	179.00	179.00
059200002	Mileage 1x28	Mi	28	3.15	88.20
049100000	Service Charge	FT3	600	1.53	918.00
049102000	Delivery Charge	TM	725	1.12	812.00
040003000	Class C Cement 903	FT3	339	10.94	3708.66
101545000	Pozzolant 132	FT3	211	4.70	991.70
045014050	D20 Bentonite EXT.	Lb	2500	.18	450.00
044003025	D29 Cellophane Flakes	Lb	137	1.91	261.67
045004050	D44 Granulated Salt	Lb	594	.14	83.16
044002050	D60 Fluid Loss Add.	Lb	81	10.04	813.24
047002050	D46 Antifoam	Lb	22	3.68	80.96
048601000	5/2 Head & Manifold	EA	1	70.00	N/C
056702054	5/2 Top Rubber Plug	EA	1	83.00	83.00
056011054	5/2 Centralizers	EA	5	73.00	365.00
053003054	5/2 Office Fill ENSert	EA	1	286.00	286.00

SERVICE ORDER RECEIPT

Field EST Total: **10,520.59** / less 38% Discount **\$ 6,522.76** SUB TOTAL

LICENSE/REIMBURSEMENT FEE: _____

REMARKS: *Thanks for using Dowell*
 STATE: _____ % TAX ON \$ _____
 COUNTY: _____ % TAX ON \$ _____
 CITY: _____ % TAX ON \$ _____
 SIGNATURE OF DOWELL REPRESENTATIVE: *David Shilling* TOTAL \$ _____

RECEIVED
 1997 FEB 14 10:43
 KANSAS CORP COMM

GENERAL TERMS AND CONDITIONS

1. Dowell. The Term "Dowell" used throughout these Terms and Conditions, shall be construed to mean Dowell A Division of Schlumberger Technology Corporation.

2. Terms. Cash in advance unless Dowell has approved credit prior to the sale. Credit Terms of Sale for approved accounts are total invoice amount due at Dowell'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 1.5% per month or the maximum allowable by applicable state or federal 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 hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with Dowell becomes delinquent, Dowell has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the net invoice price without discount will become immediately due and owing and subject to collection.

3. Prices. The products and service he supplied hereunder shall be priced as quoted. Products and services supplied on a price estimate basis shall be priced in accordance with Dowell's current price schedule, special jobs, under unusual conditions, will be subject to special price quotations to reflect increased or reduced costs and risk.

4. Taxes. Any tax based on or measured by the change for the sale or rental of products or rendering of service shall be added to the price stated in Dowell's price schedule.

5. Independent Contractor. Dowell is and shall be an independent contractor with respect to the performance of the services set forth on the service order, and neither Dowell nor anyone employed by Dowell shall be the agent, representative, employee or servant of Customer in the performance of such services or any part hereof.

6. Obligations of Customer.

A. Notification of Hazardous Conditions. Dowell's equipment is designed to operate under conditions normally encountered in the well bore. Customer shall notify Dowell in advance and make special arrangements for servicing wells in which hazardous or unusual conditions exist.

B. Chemicals. The handling and disposal of any chemical, waste or by-product used or generated in the performance of these Terms and Conditions ("Chemicals") is the sole responsibility of Customer, who shall, under all circumstances, be considered the owner and generator thereof. Customer agrees that any such Chemicals will be transported and disposed of in accordance with all applicable federal, state and local laws and regulations. Customer hereby waives, releases and agrees not to assert any claim or bring any cost recovery action against Dowell in connection with the use, generation, storage, transportation or disposal of Chemicals arising out of these Terms and Conditions, under any common law theories or federal, state or local environmental laws or regulations, now existing or hereinafter enacted, without regard to the cause or causes thereof or the negligence of any party.

7. Limited Warranty-Oilfield Products. Dowell expressly warrants that it shall convey good title to the oilfield products furnished to Customer as part of the services and that such oilfield products shall conform to the specifications represented in the service order. Dowell does not warrant in any way oilfield products not manufactured by Dowell, and such will be sold or provided hereunder only with the warranties that are given by the manufacturer thereof. DOWELL MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE OILFIELD PRODUCTS, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR THAT SAID OILFIELD PRODUCTS SHALL BE FIT FOR ANY PARTICULAR PURPOSE. Dowell's sole liability and Customer's exclusive remedy in any cause of action (whether in contract (or, or breach of warranty or otherwise) arising out of the sale or use of an oilfield product furnished by Dowell for use in connection with its services, is expressly limited to (a) the replacement of such oilfield product upon its return to Dowell or, at Dowell's option, (b) the allowance to Customer of credit for cost of such oilfield product.

8. Exclusion of Warranty - Services. In interpreting information and making recommendations, either written or oral, as to types or amounts of materials or services to be furnished, or manner of performance, or in predicting results to be obtained herefrom, Dowell will give Customer the benefit of its best judgment based on its experience. 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 RESULTS OF THE SERVICES RENDERED.

9. Data Interpretation and Transmission. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY, DOWELL CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION. Dowell does not warrant the accuracy of data transmitted by electronic processes and will not be responsible for accidental or intentional interception of such data by others. Dowell does not guarantee the safe storage or the length of time of storage of any digital tapes, optical logs or prints, transparencies, or other similar products or material.

10. Indemnity. For the purposes of this paragraph 10 the following definitions shall apply: "Dowell Group" shall mean Dowell its parent, subsidiary and affiliated companies, its contractors and subcontractors and all such entities' officers, directors, employees and invitees, and "Customer Group" shall mean Customer, its parent, subsidiary and affiliated companies, its contractors and subcontractors (other than the Dowell Group) and all such entities' officers, directors, employees and invitees.

A. Dowell Indemnity. Dowell assumes all liability for, and hereby agrees to protect, defend, indemnify and hold Customer Group and their insurers harmless from and against all damage, loss, liability, claims, demands and causes of action of every kind and character, (including all costs and expenses thereof and reasonable attorney's fees) without regard to the cause or causes thereof, the unseaworthiness of any vessel, strict liability or the negligence of any party, whether such negligence be the sole, concurrent, active or passive negligence of Customer Group, arising in connection herewith, on account of bodily injury and/or death to a member of the Dowell Group and/or damage to the Dowell Group's property (except with respect to Dowell property as otherwise provided in subparagraph B2 of this paragraph 10).

B. Customer Indemnity. Customer assumes all liability for, and hereby agrees to protect, defend, indemnify and hold the Dowell Group and their insurers harmless from and against all damage, loss, liability, claims, demands and causes of action of every kind and character, (including all costs and expenses thereof and reasonable attorney's fees) without regard to the cause or causes thereof, the unseaworthiness of any vessel, strict liability or the negligence of any party, whether such negligence be the sole, concurrent, active or passive negligence of Dowell Group, arising in connection herewith

on account of bodily injury and/or death to a member of the Customer Group and/or damage to the Customer Group's property.

2. in favor of Dowell Group on account of loss of or damage to Dowell property, equipment, materials or products, including but not limited to, fishing expenses, when such loss or damage occurs: (a) in the hole, (b) as a result of uncontrolled well conditions, (c) while in transit or being moved on any form of transportation owned or furnished by Customer, (d) while located at the well site when Dowell personnel are not present or (e) while being used by any person other than a Dowell employee, whether in an emergency or otherwise. With respect hereto the property, equipment, materials and products will be valued at their respective landed replacement cost. With respect to (a) above, rental charges on the equipment lost or damaged in the hole shall continue to be paid up to and including the date on which Dowell receives notice in writing of the loss or damage.

C. Special Indemnity. Customer further agrees to protect, defend, indemnify, and hold Dowell Group and their insurers harmless from and against all loss, liability, claims, demands and causes of action (including all costs and expenses thereof and reasonable attorney's fees) of every kind and character, without regard to the cause or causes thereof, the unseaworthiness of any vessel, strict liability or the negligence of any party, whether such negligence be the sole, concurrent, active or passive negligence (but excluding the gross negligence) of Dowell Group, arising in connection herewith in favor of Customer Group or any third party for: (1) property damage or loss that results from blow-out or cratering, (2) property damage or loss that results from pollution and contamination, whether caused by Customer's failure to properly handle, transport or dispose of any Chemicals as required by paragraph 6B hereof or otherwise, including containment, clean-up and remediation of the pollutant and contamination, whether or not required by any applicable federal, state or local law or regulation; (3) property damage or loss that results from reservoir or underground damage, including loss of oil, gas, other mineral substance, or water or the well bore itself, surface damage arising from subsurface damage or subsea damage; (4) personal injury, death, or property damage or loss that results from work performed to control a wild well; (5) cost of control of a wild well, underground or above the surface, including any redrilling or reworking costs; (6) damage to property owned by, in the possession of, or leased by Customer, and/or well owner, if different from Customer, (the term "well owner" shall include working and royalty interest owners) (i.e., any drilling, rig platform or other structure at the wellsite), or (7) subsurface trespass or any action in the nature thereof.

To the extent this paragraph 10C conflicts with the provisions of paragraph 10A hereof, paragraph 10C shall control. The indemnification provided herein shall not operate to increase any standard of responsibility limited by other provisions of these General Terms and Conditions.

D. Notices. Each party agrees to immediately notify the other party of any claim, demand, or suit presented to or served upon it by any person or entity in connection with the performance of this Agreement. The party seeking indemnification shall afford the other party full opportunity to assume the defense of such claim, demand, or suit and to protect itself under the obligations of this paragraph.

E. Incidental or Consequential Damages. It is expressly agreed that neither party shall be liable to the other for any punitive, incidental, consequential, indirect or special damages, nor for any loss of profits or business interruptions or loss of use.

11. Insurance. Customer's and Dowell's indemnity obligations under paragraph 10 hereof shall be supported by adequate liability insurance coverage, or self-insurance (if it meets the requirements set forth below) furnished by each party at such party's cost with contractual indemnity endorsements. The amounts of insurance required from each party hereunder shall be equal, each party's indemnity obligations shall be limited to the highest amount of insurance coverage mutually carried by both parties hereunder.

In the event either party maintains a plan(s) of self-insurance to insure any part of the risks otherwise covered by the insurances required hereunder, such plan of self-insurance shall not satisfy the requirements of this paragraph unless an authorized representative of the party not requesting to be self-insured expressly consents in writing to the requesting party's use of such plan(s) of insurance. If it is judicially determined that the insurance required under this paragraph or the indemnity obligations voluntarily assumed under paragraph 10 hereof and supported either by available liability insurance or voluntarily self-insured, in part or whole, exceeds the maximum amounts of insurance or indemnity permitted under applicable law, it is agreed that said insurance requirements or indemnity shall automatically be amended to conform to the maximum amounts permitted under applicable law.

12. Force Majeure. Dowell shall not be liable for any delay or non-performance due to governmental regulation, labor disputes, hostile action, weather, fire, acts of God or any other causes beyond the reasonable control of Dowell.

13. Dispute Resolution. If this Service Order is issued in conjunction with an executed Dowell Master Service Agreement-Oilfield Services then all controversies shall be resolved as set forth therein. In the absence of such agreement Dowell and Customer shall settle all disputes and claims arising out of these General Terms and Conditions under the Commercial Rules of the American Arbitration Association, as then in force, by one or more arbitrators appointed in accordance with said rules. The place of arbitration shall be Houston, Texas. Any award or determination of the arbitration tribunal shall be final and conclusive, judgment thereon may be entered in any court of competent jurisdiction and no appeal thereof shall be made by the parties.

14. Governing Law. These General Terms and Conditions shall be governed by the law of the state where the services are performed or equipment furnished, however, where services are performed or equipment furnished offshore or on navigable waters, the Federal Maritime Laws will govern.

CEMENTING SERVICE REPORT

Schlumberger
Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 128832 DATE 12-16-96
STAGE DS DISTRICT 03 12 4KS

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO. CB# 1-2 LOCATION (LEGAL) Sec 14-26S-35W RIG NAME: Cheyenne #3

FIELD-POOL Houston FORMATION

COUNTY/PARISH Kearney STATE KS API. NO.

NAME Helmerich & Payne

AND

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS Safety Cmt Production
Pasing As Directed by Customer!!

WELL DATA:

BIT SIZE 7 7/8	CSG/Liner Size 5 1/2	BOTTOM	TOP
TOTAL DEPTH 2800	WEIGHT 15.5		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE 2814.81		
MUD TYPE	GRADE		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD 8 PD		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) 15.81		TOTAL
MUD VISC.	Disp. Capacity 66		

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

ORIGINAL

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 1840 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT 1500 PSI BUMP PLUG TO 1480 PSI

ROTATE RPM RECIPROCAT FT No. of Centralizers 5

Head & Plugs TBG D.P. SQUEEZE JOB

Double SIZE WEIGHT

Single GRADE TAIL PIPE: SIZE DEPTH

Swage KNOCKOFF THREAD TUBING VOLUME Bbls

TOP R W NEW USED CASING VOL. BELOW TOOL Bbls

BOT R W DEPTH TOTAL 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: 5:11P	DATE: 12-16-96	TIME: 12:00	DATE: 12-16-96	TIME: 19:00	DATE: 12-16-96	
0001 to 2400											
1643	—	200	10	10	5.5	H2O	8.3	PRE-JOB SAFETY MEETING PSZ TEST TO 1890 PSI			
1646	—	230	164	10	5.5	CMT	12.2	H2O Ahead			
1716	—	125	30	174	5.5	CMT	14.4	START Lead CMT			
1720	—	—	—	—	—	—	—	START Tail CMT			
1727	—	690	60	204	5.5	H2O	8.3	Shutdown Wash to Pit			
1730	—	—	—	—	5.5	CMT	12.2	Drop Plug, START Displacement			
1740	—	720	10	264	2.0	H2O	8.3	Returns to Surface			
1743	—	1480	—	270	—	—	—	Lower Pump Rate			
1744	—	—	—	—	—	—	—	Bump Plug Shutdown			
1745	—	—	—	—	—	—	—	Bleed PSZ, Float Holding			
1745	—	—	—	—	—	—	—	End Job			
1745	—	—	—	—	—	—	—	STOP ACQ			
								Bump Plug to 1480 PSZ			
								146 SKS TO Surface			

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	425	2.15	35/65 pack + 6% 120 + 1/4" SKD 29				162.7	12.2
2.	125	1.29	50/50 pack + 2% 120 + 10% 144 (down) + 1/4" SKD 29 + 75% 660 + 2% 146				28.7	14.4
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 66 Bbls

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE Mick

DENSITY PRESSURE 1480 MAX. 125 MIN. 56 Bbls

Cement Circulated To Surf. YES NO

TYPE OF WELL OIL STORAGE BRINE WATER WILD CAT

GAS INJECTION WILDCAT

DS SUPERVISOR Danen D. Shilling

CB & L 1-2
8 5/8 SURF



HALLIBURTON

DATE 12-14-96 PAGE NO.

JOB LOG HAL-2013-C

CUSTOMER HEP Inc WELL NO. 1-2 LEASE CBL JOB TYPE 879 SURFACE TICKET NO. 107437

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	16:00							Call Out
	19:00							On location ORIGINAL
	19:30							Safety Meeting
								Run Float Equipment
	22:50							Circulate Hole
	23:09	6	55			120		Mix Pump Lead CMT 12.3 gal
	23:18	6	23.5			100		Mix Pump Tail Cement 14.8 gal
	23:33							Drop Plug
	23:26	5	32			180		Start Displacement
	23:34							Land Plug
	23:35							End Job
								10 BBL CMT CIRCULATE TO PER 275k CMT

Thank You
John
DANU

RECEIVED
KANSAS CORP COMM
1997 FEB 14 11:23

CUSTOMER

WELL DATA
 FIELD _____ SEC. 14 TWP. 26 RING. 35 COUNTY KEARNY STATE KS

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>24"</u>	<u>8 3/8</u>	<u>K.B.</u>	<u>546'</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12/14/96</u>	DATE <u>12/14/96</u>	DATE <u>12/14/96</u>	DATE <u>12/14/96</u>
TIME <u>6:00</u>	TIME <u>9:00</u>	TIME <u>22:50</u>	TIME <u>13:34</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>ALUM. SAFETY 8 3/8</u>	<u>1</u>	
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>8 3/8</u>	<u>3</u>	
BOTTOM PLUG		
TOP PLUG <u>5W 8 3/8</u>	<u>1</u>	
HEAD <u>PC. 8 3/8</u>	<u>1</u>	
PACKER		
OTHER <u>WELD-A 1 1/2</u>	<u>1</u>	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>DAVID BACON</u>	<u>114</u>	<u>LIBERAL, KS</u>
<u>D9366</u>	<u>94483</u>	<u>SPECIAL SERVICES</u>
<u>JOHN KLOFT</u>	<u>REAR</u>	<u>LIBERAL, KS</u>
<u>85257</u>	<u>58276-7131</u>	<u>SPECIAL SERVICES</u>
<u>SAM GRANT</u>	<u>BULK</u>	<u>HUGO TOW, KS</u>
<u>H4639</u>	<u>57784-77031</u>	

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
 BREAKER TYPE _____ GAL.-LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT 5001
 DESCRIPTION OF JOB 8 3/8 SURFACE
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN
 CUSTOMER REPRESENTATIVE X John Pepper
 HALLIBURTON OPERATOR DAVID BACON COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>150</u>	<u>PREM 1T.WT.</u>	<u>S.W.</u>	<u>B</u>	<u>2% CC, 4% K FLOCELE</u>	<u>2.06</u>	<u>12.3</u>
	<u>100</u>	<u>PREM +</u>	<u>S.W.</u>	<u>B</u>	<u>2% CC, 4% K FLOCELE</u>	<u>1.32</u>	<u>14.8</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 55.11 29.576
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. 78.5
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS
 AVERAGE RATES IN BPM _____ SEE JOB LOG
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 112.84 REASON SHOE JOINT

CUSTOMER

RECEIVED
 MANSAS CORP COMM
 12/14/96