

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

API NO. 15- 055-205360001

**ORIGINAL**

County Finney

-NE -NE -NW Sec. 31 Twp. 26S Rge. 34 <sup>E</sup><sub>W</sub>

600 Feet from S(N) (circle one) Line of Section

2040 Feet from E(W) (circle one) Line of Section

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

Lease Name Curry Well # 1-2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3032' KB 3043'

Total Depth 7044' PBDT 3020'

Amount of Surface Pipe Set and Cemented at 1523 Feet

Multiple Stage Cementing Collar Used? X Yes      No

If yes, show depth set 3072 Feet

If Alternate II completion, cement circulated from     

feet depth to      w/      sx' cmt.

Drilling Fluid Management Plan N/A REWORK 8-18-97  
(Data must be collected from the Reserve Pit)

Chloride content      ppm Fluid volume      bbls

Dewatering method used     

Location of fluid disposal if hauled offsite:     

Operator Name     

Lease Name      License No.     

Quarter      Sec.      Twp.      S Rng.      E/W

County      Docket No.     

Operator: License # 5293

Name: Helmerich & Payne, Inc.

Address 2606 Fleming

Park Plaza Building

City/State/Zip Garden City, Kansas 67846

Purchaser: CIG

Operator Contact Person: Ken Jehlik/Mike LaMascus

Phone (316) 276-3693

Contractor: Name: N/A

License:     

Wellsite Geologist: None

Designate Type of Completion

     New Well      Re-Entry X Workover

X Oil      SWD      SION      Temp. Abd.

     Gas      ENHR      SIGW

     Dry      Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: Helmerich & Payne, Inc.

Well Name: USA A16

Comp. Date 2-10-84 Old Total Depth 7044'

     Deepening XXX Re-perf.      Conv. to Inj/SWD

X Plug Back 3020' PBDT

     Commingled      Docket No.     

     Dual Completion      Docket No.     

WLE Other (SWD or Inj?) Docket No.     

6-29-97

7-11-97

     Date OF START OF WORKOVER      Date Reached TD      Completion Date OF WORKOVER

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 Mike LaMascus

Title District Engineer Date 8-7-97

Subscribed and sworn to before me this 7th day of August, 19 97.

Notary Public Judith Richmeier

Date Commission Expires August 15, 2000

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input checked="" type="checkbox"/> NGPA
		(Specify) <u>    </u>

Operator Name Helmerich & Payne Inc. Lease Name Curry Well # 1-2

Sec. 31 Twp. 26S Rge. 34

East

County Finney

West

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

Drill Stem Tests Taken  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: GR, CCL

Log Formation (Top), Depth and Datums  Sample

Name Top Datum

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	13 1/2"	9 5/8"	36	1523'	130. sks 65/35 poz mix 150	880	6 1/2% gel
Production	7 7/8"	5 1/2"	14	5316'	sks Class H 270 sks 65/35 poz 100 sks selfstress II 550 sks 65/35	1020	6% gel 10% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Stage tool @ 3072'

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	5114'-5135' + 5164'-5168' + 5053'-5060' Set CIBP @ 3020'	2000 gal. 7 1/2% HCL acid	2600'-2720'
2	2600'-4' Herington/Krider	Frac w/44,400 20# linear gel	
2	2662' - 72' Winfield	& 31,000 gal 20# cross-link gel, 11480#	
1	2710'-20' U. Ft. Riley	40-70 sd. 24580# 16-30sd, 25740# 20-40sd 100 900# 12-20sd.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
N/A				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 7-29-97 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	234	0	0	

Disposition of Gas: METHOD OF COMPLETION

Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify)

Production Interval

2600'-2604'  
2662'-2672'  
2710'-2720'

**CEMENTING SERVICE REPORT**



DOWELL DIVISION OF DOW CHEMICALS  
AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

TREATMENT NUMBER: 03-12-5771  
DATE: 9-8-83  
AGE: 1  
DOWELL DISTRICT: 03-12  
ULYSSES KS

ML-496-N PRINTED IN U.S.A.

WELL NAME AND NO. **USA-A-16**  
 LOCATION (LEGAL) **31-265-34 W**  
 FORMATION  
 COUNTY/PARISH **FINNEY**  
 STATE **KANSAS**  
 API. NO.

RIG NAME: **RAYNES + WILLIAMS Rig #5**  
 WELL DATA: BOTTOM TOP  
 BIT SIZE **13 3/4** CSG/LINER SIZE **9 5/8**  
 TOTAL DEPTH WEIGHT **36**  
 ROT  CABLE FOOTAGE  
 MUD TYPE GRADE  
 BHST  BHCT THREAD **BRD**  
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) TOTAL  
 MUD VISC. DISP. CAPACITY **115** TOTAL **115**  
 NOTE: INCLUDE FOOTAGE FROM GROUND LEVEL TO HEAD IN DISP. CAPACITY

**ORIGINAL**

NAME **HELMERICH & PAYNE**  
 ADDRESS **Box 558 GARDEN CITY, KANSAS**  
 ZIP CODE **67846**

SPECIAL INSTRUCTIONS  
**set 9 5/8 Csg Cont W**  
**730 sks DLW III 3% CaCl**  
**1/4" D-29**  
**150 sks Class H 3% CaCl**

HEAD & PLUGS  TBG  D.P. SQUEEZE JOB  
 DOUBLE SIZE  
 SINGLE  WEIGHT  
 SWAGE  GRADE  
 KNOCKOFF  THREAD  
 TOP  W  NEW  USED  
 BOT  R  W DEPTH  
 TOOL TYPE DEPTH  
 TAIL PIPE: SIZE DEPTH  
 TUBING VOLUME Bbls  
 CASING VOL. BELOW TOOL Bbls  
 TOTAL Bbls  
 ANNUAL VOLUME Bbls

PRESSURE LIMIT **1200** PSI BUMP PLUG TO **1000** PSI  
 RPM RESPIROGATE FT NO. OF CENTRALIZERS **3**

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
0001 to 2400	TBG OR D.P. CASING	INCREMENT CUM	TIME: 16:30	DATE: 9-8-83	TIME: 16:30	DATE: 9-8-83	TIME: 22:30	DATE: 9-8-83	

TIME	PRESSURE	VOLUME PUMPED BBL	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
						PRE-JOB SAFETY MEETING <b>YES</b>
						<b>Spot Trucks Hook to Rig Floor</b>
20:15	200	10	5	H <sub>2</sub> O		<b>Start Pump 1000 H<sub>2</sub>O Ahead of Em</b>
20:17	200	234	10	cont		<b>Start Cementing 730 sks</b>
21:53	300	28	244	cont		<b>Start Tail Tail Cont 150 sks</b>
21:08	0		272			<b>shut down Deep plug</b>
21:15	200	115		H <sub>2</sub> O		<b>Start Disp</b>
	600	110				<b>slow rate</b>
		5	115			<b>plug down &amp; hold</b>
21:40	1000					<b>shut down</b>
						<b>good Cement To Pit</b>
						<b>207 sks Returns</b>
						<b>Thank you</b>

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED		
							BBLs	DENSITY	
1	730	1.80	DLW III	Premium	Cont	1/4" D-29	3% CaCl	234	17.8
2									
3	150	1.05	Class H	Premium			3% CaCl	28	16.4
4									
5									
6									

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. **1100** MIN. **2**  
 HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO CEMENT CIRCULATED TO SURF.  YES  NO  
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **115** Bbls TYPE OF WELL  OIL  GAS  STORAGE  BRINE WATER  
 WASHED THRU PERFS  YES  NO TO FT MEASURED DISPLACEMENT  WIRELINE  INJECTION  WILDCAT  
 PERFORMATIONS CUSTOMER REPRESENTATIVE **T. ...** DOWELL SUPERVISOR **TERRY WHITE**

**CEMENTING SERVICE REPORT**

JWL-486-M PRINTED IN U.S.A.

**DOWELL**

**DOWELL DIVISION OF DOW CHEMICALS**  
OPERATING UNIT OF THE DOW CHEMICAL COMPANY

TREATMENT NUMBER 5828 DATE 1/27/83  
WELL NAME RANGE DOWELL DISTRICT OKYCCES

WELL NAME AND NO. USA 4 16 LOCATION (LEGAL) Sec 31 - 20.9. 34th

FIELD-POOL \_\_\_\_\_ FORMATION \_\_\_\_\_

COUNTY/PARISH St. Mary STATE Louisiana API. NO. \_\_\_\_\_

WELL NAME USA 4 16

WELL NO. 20 X 15A

ADDRESS WARDEN CITY LA ZIP CODE \_\_\_\_\_

RIG. NAME: \_\_\_\_\_

WELL DATA:

BIT SIZE <u>7 1/2</u>	CSG/LINER SIZE	A	B	C	D
TOTAL DEPTH	WEIGHT				
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	TOP				
MUD TYPE	BOTTOM				
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	GRADE				
MUD DENSITY	THREAD				
MUD VISC.	CAPACITY				

HEAD & PLUGS  TBG  D.P.  SQUEEZE JOB

DOUBLE  SINGLE  SWAGE  KNOCKOFF

SIZE 4 1/2 WEIGHT 16.6 GRADE \_\_\_\_\_ THREAD \_\_\_\_\_

TOOL TYPE DEPTH

TAIL PIPE: SIZE 2 1/2 DEPTH \_\_\_\_\_

TUBING VOLUME \_\_\_\_\_ Bb

CASING VOL. BELOW TOOL \_\_\_\_\_ Bc

TOTAL \_\_\_\_\_ Bc

ANNUAL VOLUME \_\_\_\_\_ Bc

SHOE FLOAT TYPE DEPTH

STAGE TOOL TYPE DEPTH

**ORIGINAL**

SPECIAL INSTRUCTIONS

Finish 4 1/2" casing & seal cement

to 2 1/2" plug

Plug 59 of 5786

with 1/2" casing + 1/2" D29

PRESSURE LIMIT PSI \_\_\_\_\_ BUMP PLUG TO PSI \_\_\_\_\_

ROTATE RPM \_\_\_\_\_ RECIPROCATE FT \_\_\_\_\_ NO. OF CENTRALIZERS \_\_\_\_\_

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME: DATE:			ARRIVED ON LOCATION TIME: DATE:	LEFT LOCATION TIME: DATE:
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY		
0001 to 2400									
7:10									
7:15			10		2	FW	1.0		
7:20			107	10	4	FW	1.0		
7:25			253	257	4	FW	1.0		
7:30			377	382	4 1/2	FW	1.0		
7:35			462						

**SERVICE LOG DETAIL**

PRE-JOB SAFETY MEETING

START FW H2O BLENDING LINE 10:15

FW H2O BLEND / START CEMENT

CEMENT PUMPED / START FW H2O BLEND

FW H2O BLEND / START MUD DISPLACEMENT

Shot down plug 10:45

Log to pull stands & calculate hole

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	25	112	PREMIUM + 1/2" 1/2" D29 T. 5% D25		15.7	
2.						
3.						
4.						
5.						
6.						

BREAKDOWN FLUID: TYPE \_\_\_\_\_ VOLUME \_\_\_\_\_ DENSITY \_\_\_\_\_ PRESSURE MAX: \_\_\_\_\_ MIN: \_\_\_\_\_

HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO CEMENT CIRCULATED TO SURF  YES  NO

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

WASHED THRU PERFS  Yes  No TO FT MEASURED DISPLACEMENT  WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE DOWELL SUPERVISOR

**CEMENTING SERVICE REPORT**

L-498-M PRINTED IN U.S.A.

DOWELL DIVISION OF DOW CHEMICALS  
OPERATING UNIT OF THE DOW CHEMICAL COMPANY

TREATMENT NUMBER **5808** DATE **9/21**

DOWELL DISTRICT **614585**

<b>1. NAME AND NO.</b> USA A-16		<b>LOCATION (LEGAL)</b> SEC 31-26S-34W		<b>RIG NAME:</b> R+W 15	
<b>D-POOL</b>		<b>FORMATION</b>		<b>WELL DATA:</b>	
<b>JNTY/PARISH</b> FINNEY		<b>STATE</b> KANSAS		A B C D BIT SIZE <b>7 7/8</b> CSG/LINER SIZE <b>5 1/2</b> TOTAL DEPTH <b>7040</b> WEIGHT <b>143</b>	
<b>VE</b> HELMERICH + PAYNE		<b>API. NO.</b>		<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE TOP <b>ORIGINAL</b>	
<b>RESS</b> GARDEN CITY, KS		<b>ZIP CODE</b>		MUD TYPE BOTTOM <input type="checkbox"/> BHST <input type="checkbox"/> SHCT GRADE MUD DENSITY THREAD <b>8rd</b> TOTAL	
<b>SPECIAL INSTRUCTIONS</b> FURNISH MATERIALS + EQUIPMENT FOR 2 STAGE 5 1/2 LONG STRIPS.		HEAD & PLUGS <input type="checkbox"/> TBG <input type="checkbox"/> D.P. SQUEEZE JOB		MUD VISC. CAPACITY <b>129.5</b>	
DOUBLE <input type="checkbox"/> SINGLE <input type="checkbox"/> SWAGE <input type="checkbox"/> KNOCKOFF <input type="checkbox"/> TOP <input type="checkbox"/> R <input type="checkbox"/> W <input type="checkbox"/> BOT <input type="checkbox"/> R <input type="checkbox"/> W		SIZE WEIGHT GRADE THREAD NEW <input type="checkbox"/> USED DEPTH		TOOL TYPE <b>Dowell</b> DEPTH	
PRESSURE LIMIT PSI BUMP PLUG TO <b>1300</b> PSI		ROTATE RPM RECIPROCAT FT NO. OF CENTRALIZERS <b>6</b>		SHOE FLIGHT TYPE <b>FLAPPER</b> DEPTH <b>5276.38</b> STAGE TOOL TYPE <b>Dowell</b> DEPTH <b>3036.1</b>	
TIME		PRESSURE TBG OR D.P. CASING		VOLUME PUMPED BBL INCREMENT CUM	

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVED ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
					INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
								PRE-JOB SAFETY MEETING			
402	200		10		5	FH <sub>2</sub> O	8.34	START FH <sub>2</sub> O AHEAD FOR 10BBLS.			
404	200		87	10	5 1/2	CMT	12.8	FH <sub>2</sub> O PUMPED / START LEAD CEMENT			
420	0		26	97	5	CMT	14.8	LEAD CMT PUMPED / START TRAIL CEMENT			
425	0			123	-			SHUT IN - WASH LINES + DROP PLUG			
1434	0		129 1/2		6			START DISPLACEMENT 55 BBLS / FH <sub>2</sub> O 74 1/2 MUD			
1500	400			105	5			CATCH PRESSURE			
1505	600			122	3			SLOW RATE			
1510	1300		129 1/2	129 1/2	3			BUMP PLUG			
1511								CHECK FLOAT - FLOAT HOLDING			
1520								DROP BOMB			
1535								OPEN STAGE TOOL			
1541								TURN OVER TO RIG TO CIRCULATE			

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
						BBLs	DENSITY
1.	270	1.80	OLLITT + 10%	D44 + .5%	D65 + D46	87	12.8
2.	100	1.65	SELF STRESS II			26	A.F.
3.							
4.							
5.							
6.							

<b>REAKDOWN FLUID: TYPE</b>		<b>VOLUME</b>		<b>DENSITY</b>		<b>PRESSURE</b> MAX: <b>1300</b> MIN:	
<input checked="" type="checkbox"/> HESITATION SQ.		<input type="checkbox"/> RUNNING SQ.		<input type="checkbox"/> CIRCULATION LOST		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<input type="checkbox"/> CEMENT CIRCULATED TO SURF.		<input type="checkbox"/> YES <input type="checkbox"/> NO		DISPLACEMENT VOL. <b>129 1/2</b> Bbls		TYPE OF WELL <input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER	
<input type="checkbox"/> WASHED THRU PERFS <input type="checkbox"/> Yes <input type="checkbox"/> No		TO FT		MEASURED DISPLACEMENT <input checked="" type="checkbox"/>		<input type="checkbox"/> GAS <input type="checkbox"/> INJECTION <input type="checkbox"/> WILDCAT	
<b>PERFORATIONS:</b>		TO TO		CUSTOMER REPRESENTATIVE		DOWELL SUPERVISOR	

**CEMENTING SERVICE REPORT**

ML-498-M PRINTED IN U.S.A.

**DOWELL**  
 DOWELL DIVISION OF DOW CHEMICALS  
 OPERATING UNIT OF THE DOW CHEMICAL COMPANY

TREATMENT NUMBER **5808** DATE **9/27/83**  
 DOWELL DISTRICT **6145SES**

WELL NAME AND NO. **USA A-16** LOCATION (LEGAL) **SEC 265-265-34W**  
 FIELD-POOL **FINNET** STATE **KANSAS** API. NO.

RIG. NAME:  
 WELL DATA:  
 BIT SIZE **7040** CSG/LINER SIZE **5 1/2**  
 TOTAL DEPTH **14** WEIGHT **14**  
 ROT  CABLE TOP **0**  
 MUD TYPE **5316** BOTTOM **5316** **ORIGINAL**  
 BHST  BHCT GRADE  
 MUD DENSITY **820** THREAD **320** TOTAL  
 MUD VISC. CAPACITY **74**

OWNER **HELMERICH + PAYNE**  
 BOX **558**  
 ADDRESS **GARDEN CRT, Kansas**  
 ZIP CODE

HEAD & PLUGS  TBG  D.P. SQUEEZE JOB  
 DOUBLE  SIZE TOOL TYPE  
 SINGLE  WEIGHT DEPTH **10/2**  
 SWAGE  GRADE TAIL PIPE: SIZE DEPTH  
 KNOCKOFF  THREAD TUBING VOLUME Bbl  
 TOP  R  W  NEW  USED CASING VOL. BELOW TOOL Bbl  
 BOT  R  W DEPTH TOTAL Bbl  
 ANNUAL VOLUME Bbl

SPECIAL INSTRUCTIONS  
**FURNISH EQUIPMENT + MATERIAL  
 For 2 stage 5 1/2 L.S.**

SHOE FLOAT TYPE **FLIPPER** DEPTH **5270**  
 STAGE TOOL TYPE **DOWELL** DEPTH **3036.1**  
 SHOE FLOAT TYPE **FLIPPER** DEPTH **5316.34**  
 STAGE TOOL TYPE DEPTH

PRESSURE LIMIT PSI BUMP PLUG TO PSI  
 ROTATE RPM RECIPROCATE FT NO. OF CENTRALIZERS

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVED ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
2022		100	10		5		400	834			
2024		0	176	16	4		CMT	128			
2105		0	19	186	4		CMT	16.4			
2110		0		205	4						
2117		0	24		6		Flt	834			
2124		300		58	6						
2131		600		60	3						
2137		1600		74	3						
2139		2200	2	76							
2140											

SERVICE LOG DETAIL

PRE-JOB SAFETY MEETING

START F/H<sub>2</sub>O ahead For 10 Bbls

CMT 128 F/H<sub>2</sub>O Pumped / START LEAD

CMT 16.4 LEAD CMT pumped / START TAIL

Tail CMT pumped / SHUT dn + drop plug

START DISPLACEMENT

CATCH PRESSURE

SLOW RATE

Drop plug + CLOSE TOOL - CHECK TOOL

TOOL NOT CLOSED - BLEED BACK 8 BBL

REPRESSURE UP ON TOOL - CHECK TOOL

TOOL CLOSED

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	550	1.80	DW-III + .5% D65		126	12.8
2.	100	1.05	PREMIX		19	16.4
3.						
4.						
5.						
6.						

BREAKDOWN FLUID: TYPE VOLUME DENSITY PRESSURE MAX: **2200** MIN:

HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO CEMENT CIRCULATED TO SURF.  YES  NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **74** Bbls TYPE OF WELL  OIL  STORAGE  BRINE WATER  
 GAS  INJECTION  WILOCAT

WASHED THRU PERFS  Yes  No TO FT MEASURED DISPLACEMENT  WIRELINE

PERFORMATIONS: TO TO CUSTOMER REPRESENTATIVE **...** DOWELL SUPERVISOR **...**