

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

API NO. 15- 135-23791-0000

County NESS

W/2 W/2 W/2 Sec. 18 Twp. 20S Rge. 22 XX^E

Operator: License # 5144

2640' Feet from (S) KX (circle one) Line of Section

Name: Mull Drilling Company, Inc.

330' Feet from XX (circle one) Line of Section

Address P.O. Box 2758

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

City/State/Zip Wichita, KS 67201

Lease Name Gross-Whitley Well # #1

Purchaser: NCRA (Nat'l Coop. Refinery Assoc.)
2000 S Main, PO Box 1404, McPherson, KS
67460

Field Name Riverside

Operator Contact Person: John Parker

Producing Formation Mississippian-Osage

Phone (316) 264-6366

Elevation: Ground 2223' KB 2232'

Contractor: Name: DUKE DRILLING

Total Depth 4335' PBDT -----

License: 5929

Amount of Surface Pipe Set and Cemented at 259' Feet

Wellsite Geologist: Roger Martin

Multiple Stage Cementing Collar Used? Yes Yes No

Designate Type of Completion

New Well Re-Entry Workover

If yes, show depth set 1434' Feet

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

If Alternate II completion, cement circulated from 1434'

feet depth to surface w/ 260 sx cmt.

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

Drilling Fluid Management Plan ALT 2 2/4 4-6-94
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 57,000 ppm Fluid volume 1116 bbls

Well Name: _____

Dewatering method used Evaporation

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

Deepening Re-perf. FEB 10 1995 [SWD]
Plug Back PBDT
Commingled Docket No. _____
Dual Completion **FROM CONFIDENTIAL**
Other (SWD or Inj) Docket No. _____

Operator Name KCC

Lease Name _____ License No. _____

11/27/93 12/03/93 12-11-93 ^{Kcc} _{AW}
Spud Date Date Reached TD Completion Date

JAN 1 9 Sec. _____ Twp. _____ S Rng. _____ E/W

County **CONFIDENTIAL** 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 John M. Parker

Title Petroleum Engineer Date 1/18/94

Subscribed and sworn to before me this 18th day of January, 19 94.

Notary Public Patricia L. Ungleich
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3/27/95

Patricia L. Ungleich
Patricia L. Ungleich
March 27, 1995

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution 1-20-94
 KCC SWD/RVP
 KGS Plug Other
RECEIVED
JAN 20 1994
KANSAS CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

CONFIDENTIAL

SIDE TWO

Operator Name Mull Drilling Company, Inc. Lease Name Gross-Whitley Well # #1

Sec. 18 Twp. 20S Rge. 22 East West
County Ness

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:

CNL Density - Dual Induction

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
T/Anhydrite	1428	+ 804
B/Anhydrite	1463	+ 769
Heebner	3660	-1428
Toronto	3686	-1454
Lansing	3709	-1477
B/KC	4034	-1802
Marmaton	4054	-1822
Pawnee	4152	-1920
Ft Scott	4220	-1988
Cherokee	4245	-2013
Miss-Warsaw	4315	-2083

CASING RECORD New Used Miss-Osage 4320 -2088
LTD 4331 -2099
Report all strings set-conductor, surface, intermediate, production, etc. RTD 4335 -2103

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"	20#	259'	60/40 Poz	190	2%gel 3%CC
Production	7 7/8"	5 1/2"	15.5#	4318'	60/40 Poz	100	2%gel, 10% salt 1 1/2% CFR-3
Stage 2				1434-4318	60/40 Poz	260	6%gel, 1/4# Flocele p/sk

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

TUBING RECORD Size 2 3/8" Set At 4243' Packer At NONE Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. 12/11/93 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 50 Bbls. Gas 120 Mcf Water 120 Bbls. Gas-Oil Ratio 39.5°F.

Disposition of Gas: NONE METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Open Hole Production Interval 4318-4335'

KCC
 JAN 19
 CONFIDENTIAL



Ricketts
Testing, Inc.

CONFIDENTIAL

Company MULL DRILLING COMPANY, INC. Lease & Well No. GROSS-WHITLEY #1
 Elevation 2232 K.B. Formation MISSISSIPPI Effective Pay _____ ft. Ticket No. 1733
 Date 12-3-93 Sec. 18 Twp. 20 Range 22W County NESS State KANSAS
 Test Approved by ROGER MARTIN Ricketts Representative JIM RICKETTS
 Formation Test No. 1 Interval Tested from 4263 ft. to 4335 ft. Total Depth 4335 ft.
 Packer Depth 4263 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4260 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4268 ft. Recorder Number 13307 Cap. 4650
 Bottom Recorder Depth (Outside) 4332 ft. Recorder Number 13306 Cap. 4625
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
 Drilling Contractor Duke Drilling Rig #4 Drill Collar Length _____ I.D. _____ in.
 Mud Type Chemical Viscosity 66 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 4243 I.D. 3.25 in.
 Chlorides 6,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make _____ Serial Number _____ Anchor Length 72 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Gravity Oil 36 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 x h in.

Blow: Strong blow in 3 minutes Initial Flow Period.
Strong blow in 3 minutes Final Flow Period.
 Recovered 124 ft. of Clean gassy oil
 Recovered 186 ft. of Gassy oil cut mud. 22% Gas 33% Oil 50% Mud
 Recovered 1147 ft. of Clean gassy oil.
 Recovered 403 ft. of Frothy gassy oil cut mud. 22% Gas 33% Oil 50% Mud
 Recovered 310 ft. of Gassy oil cut, slightly watery mud. 25% Gas 20% Oil 5% Water 50% Mud
 Recovered 122 ft. of Water
2 Heavy mud.
 Remarks: DST Fluid Chlorides 32,000 PPM

Time Set Packer (s) 5:30 A.M. Time Started Off Bottom 8:45 A.M. Maximum Temperature 120
 Initial Hydrostatic Pressure.....(A) 2192 P.S.I.
 Initial Flow Period Minutes 35 (B) 185 P.S.I. to
 (C) 496 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1325 P.S.I.
 Final Flow Period Minutes 70 (E) 522 P.S.I. to
 (F) 916 P.S.I.
 Final Closed In Period Minutes 60 (G) 1325 P.S.I.
 Final Hydrostatic Pressure (H) 2184 P.S.I.

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RICKETTS TESTING, INC.

Pressure Data

12-3-93 Test Ticket No. 1733
 Order No. 13307 Capacity 4650 Location 4268 Ft.
 Well No. _____ Elevation 2232 K.B. Well Temperature 120 °F

	Pressure			Time Given	Time Computed
Initial Hydrostatic Mud	2192	P.S.I.	Open Tool	5:30	A M
First Initial Flow Pressure	185	P.S.I.	First Flow Pressure	30	Mins. 35
First Final Flow Pressure	496	P.S.I.	Initial Closed-in Pressure	45	Mins. 45
Initial Closed-in Pressure	1325	P.S.I.	Second Flow Pressure	60	Mins. 70
Second Initial Flow Pressure	522	P.S.I.	Final Closed-in Pressure	60	Mins. 60
Second Final Flow Pressure	916	P.S.I.			
Final Closed-in Pressure	1325	P.S.I.			
Final Hydrostatic Mud	2184	P.S.I.			

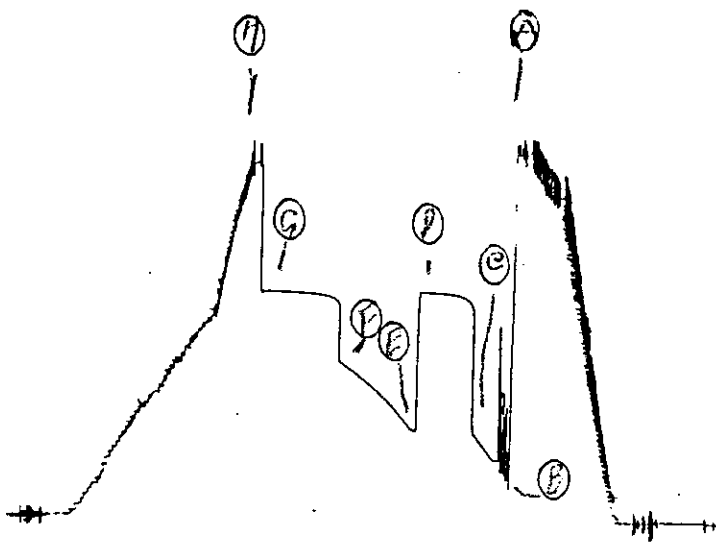
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PRESSURE BREAKDOWN

	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In	
Breakdown:	7 Inc.	15 Inc.	14 Inc.	20 Inc.	
of	5 mins. and a	3 mins. and a	5 mins. and a	3 mins. and a	
final inc. of	Min.	Min.	Min.	Min.	
Point	Point	Point	Point	Point	
Minutes	Minutes	Minutes	Minutes	Minutes	
Press.	Press.	Press.	Press.	Press.	
0	185	0	496	0	916
5	257	3	1194	3	1267
10	306	6	1263	6	1288
15	336	9	1288	9	1297
20	371	12	1297	12	1305
25	419	15	1308	15	1310
30	468	18	1314	18	1313
35	496	21	1321	21	1316
40		24	1325	24	1319
45		27	1325	27	1322
50		30	1325	30	1323
55		33	1325	33	1324
60		36	1325	36	1325
65		39	1325	39	1325
70		42	1325	42	1325
75		45	1325	45	1325
80		48	1325	48	1325
85		51	1325	51	1325
90		54	1325	54	1325
95		57	1325	57	1325
60		60	1325	60	1325

OST#1 TR#1733

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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2181	2192	PSI
(B) First Initial Flow Pressure	220	185	PSI
(C) First Final Flow Pressure	498	496	PSI
(D) Initial Closed-in Pressure	1320	1325	PSI
(E) Second Initial Flow Pressure	522	522	PSI
(F) Second Final Flow Pressure	905	916	PSI
(G) Final Closed-in Pressure	1309	1325	PSI
(H) Final Hydrostatic Mud	2158	2184	PSI

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. 3722

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish	
11-27-93	18	20	22	5:45 pm	8:30 pm	9:45	10:30	
GROSS Lease	Whitley	Well No. 1	Location	95-5E-12S-E1+0	County	Ness	State	KS
Contractor Duke #4				Owner Sgme				
Type Job SURF GCE				To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Hole Size	12 1/4	T.D.	258					
Csg.	8 5/8	Depth	259.22					
Tbg. Size		Depth						
Drill Pipe		Depth						
Tool		Depth						
Cement Left in Csg.	15'	Shoe Joint						
Press Max.		Minimum						
Meas Line		Displace	15.87					
Perf.								
EQUIPMENT								
Pumptrk	No. 195	Cementer	Don H					
		Helper	Kent R					
Pumptrk	No.	Cementer						
		Helper						
Bulktrk	116	Driver	Bob B					
Bulktrk		Driver						
DEPTH of Job								
Reference:	Pump truck							
	mileage							
	1 8 5/8 Plug							
		Sub Total						
		Tax						
		Total						
Remarks: Pumped all Cement Released Plug Displaced Down Cement Did Circulate By Allied Cementing THANKS Don New								

Charge To	Mull Drilling Co. Inc
Street	PO Box 2758
City	Wichita
State	KS
	67201
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	Rich Whitley
CEMENT	
Amount Ordered	190 SK 60/40 273
Consisting of	
Common	
Poz. Mix	
Gel.	KGC
Chloride	
Quickset	JAN 19
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Handling	
Mileage	
RELEASED	
FEB 14 1995	
Floating Equipment	
FROM CONFIDENTIAL	



HALLIBURTON ENERGY SERVICES

CHANGE TO: Well Drilling Co.
 ADDRESS: Well Drilling Co.
 CITY, STATE, ZIP CODE: CONFIDENTIAL

ORIGINAL
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TICKET
 JAN 20 1994
 663265-9
 OF 2

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FORM 1908 B-13
 SERVICE LOCATIONS: 1. Well Drilling Co. 25553
 2. Ways, W. 25525
 3. Ways, W. 25525
 4. Ways, W. 25525

WELL/PROJECT NO: #1
 TICKET TYPE: SERVICE JOB? SALES
 CONTRACTOR: Gross Whitley
 WELL CATEGORY: 01
 JOB PURPOSE: 035

LEASE: Gross Whitley
 COUNTY/PARISH: Wash. Parish
 STATE: LA
 CITY/OFFSHORE LOCATION: Location
 DATE: 12/14/93
 WELL LOCATION: Sec 18 - 205 - 22W

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING LOC ACCT. OF	DESCRIPTION	QTY.	UNIT	QTY.	UNIT	UNIT PRICE	AMOUNT
000-117			MILEAGE	14	mi			2.175	30.45
009-013	001-016		Pump Service 1st Stage	4328	ft			1.545	6685.56
0007-161			Pump Service 2nd Stage	1434	ft			1.295	1857.83
80	855.137	2909	Packer Shoe	1	ea			2.504	2.504
40	807.93022	10	Centrifuges 54	6	ea			44.00	264.00
320	800.8883	11	Cent. Basket	1	ea			110.00	110.00
71	813.80300	12	Multiple Stage Cementer	1	ea			2.450	2.450
82	855.02545	13	Auto. Fill up Assy	1	ea			55.00	55.00
75	813.16510	14	Fire Hall Plug Set	1	ea			460.00	460.00
595	812.01695	15	Latch Down Shut off Plug	1	ea			465.00	465.00
018-315	816.00135-5	16	Mud Flush	500	gal			.65	325.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: [Signature]
 DATE SIGNED: [Date]
 TIME SIGNED: AM PM

TUBING SIZE: _____ TUBING PRESSURE: _____ WELL DEPTH: _____
 TYPE OF EQUALIZING SUB.: _____ CASING PRESSURE: _____
 BEAN SIZE: _____ SPACERS: _____
 TYPE OF CONNECTION: _____ TYPE VALVE: _____

SURVEY: OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY AND REPERATED THE EQUIPMENT AND REPERATED THE JOB SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? YES NO

PAGE TOTAL: 9511
 FROM CONTINUATION PAGE(S): 3, 203
 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: 12714

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: [Signature]
 CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: [Signature]
 EMP # 80119
 HALLIBURTON APPROVAL: [Signature]



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

ORIGINAL

TICKET No. 663265

FORM 1911 R-9

CUSTOMER Bull Drilling Co.

WELL Gross/Whitely#1

DATE 12-3-93

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCOUNTING		DESCRIPTION	WELL		UNIT PRICE	AMOUNT
			LOG	ACCT		QTY.	UM		
504-RXB					B # 40/60 Pozmix Standard	360		68	2,044.80
507-277					B Halliburton Gel 4% R/260Poz	9		15.50	139.50
509-968					B Salt Blended	500	lb	123	64.00
507-153					B CFR-3 Blended	42	lb	4185	203170
509-968					B Salt on side	300	lb	13	39.00
500-207					SERVICE CHARGE			1.35	500.8
500-306					TRAVEL CHARGE			95	210.3
<p style="text-align: center;">KCC JAN 19 CONFIDENTIAL</p>						<p style="text-align: center;">RELEASED FEB 14 1995</p>		<p style="text-align: center;">FROM CONFIDENTIAL</p>	
<p style="text-align: center;">CONFIDENTIAL</p>									
<p style="text-align: center;">216 Part 3592 Gel</p>									
<p style="text-align: center;">RECEIVED STATE CORPORATION COMMISSION JAN 20 1994 Wichita, Kansas</p>									
<p style="text-align: center;">TOTAL WEIGHT 31,628</p>						<p style="text-align: center;">LOADED MILES 14</p>		<p style="text-align: center;">CUBIC FEET 371</p>	
<p style="text-align: center;">TOTAL MILES 221,396</p>									
<p style="text-align: center;">CONTINUATION TOTAL</p>								<p style="text-align: center;">3,203.1</p>	



JOB SUMMARY

HALLIBURTON LOCATION Mass City, Mo.

WELL DATA

FIELD _____ SEC 18 TWP. 20^S RANG. 22^W COUNTY Mass STATE Mo.

FORMATION NAME	TYPE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	RB
LINER				
TUBING				
OPEN HOLE				
PERFORATIONS				
PERFORATIONS				
PERFORATIONS				

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 4335

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JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-3-93</u>	DATE <u>12-4-93</u>	DATE <u>12-4-93</u>	DATE <u>2-4-93</u>
TIME <u>1800</u>	TIME <u>2400</u>	TIME <u>0720</u>	TIME <u>11:30</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>R. Keyler</i>	PerUp 40072	Mass City, Mo.
<i>T. Henry</i>	P.T.	"
<i>B. Crosswhite</i>	51797	"
<i>M. Karlin</i>	Bulk 3703	Hays, Mo.
<i>D. Buehler</i>	Bulk 51252	"

RELEASED

FEB 14 1999

FROM CONFIDENTIAL

DEPARTMENT Cont.
 DESCRIPTION OF JOB Cont. 5 1/2" 2-Stage Long String

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN

CUSTOMER REPRESENTATIVE X *John Roane*
 HALLIBURTON OPERATOR *Roger B. Segler* COPIES REQUIRED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBS./GAL.
<u>1</u>	<u>100</u>	<u>40-60 Poz</u>		<u>B</u>	<u>2% Cel, 10% salt, .5% CFR-3</u>	<u>1.30</u>	<u>14.54</u>
<u>2</u>	<u>260</u>	<u>40-60 Poz</u>		<u>B</u>	<u>5% Cel, 1/4" Floccle</u>	<u>1.68</u>	<u>13.0</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ S-MIN _____ 15-MIN. _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 41 REASON Shoe Joint

SUMMARY

VOLUMES
 PRELUSH: 20 - 12 GAL TYPE Salt - Mud Flush
 LOAD & SKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 TREATMENT: BBL-GAL. _____
 CEMENT SLURRY: 101 GAL STATE CORPORATION COMMISSION
 TOTAL VOLUME: BBL-GAL. _____

REMARKS

See Chart & Job Log
Thank You Roger
 JAN 20 1994
 CONSERVATION DIVISION
 Wichita, Kansas

CUSTOMER: *Mill Drilling Co.*
 LEASE: *Gross/Westley*
 WELL NO: _____
 JOB TYPE: *2-Stage Long String*
 DATE: *12-4-93*

JAN 19
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DATE 12-4-93 PAGE NO. 1

JOB LOG FORM 2013 R-4

CUSTOMER *Mull Dalg. Co.* WELL NO. *#1* LEASE *Gross/Whitley* JOB TYPE *2-Stage LongString* TICKET NO. *663265*

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1800							Called out
	2400							On loc. Rig laying down Drillpipe
	0420							Start 5 1/2" Csg.
								Packer Shoe w/ Fillup & Latch down Baffle
								on #1 Cent. on #1, #3, #5, #7 #73 #76
								Cont. Back on #75
								D.U. tool on #75 @ 1434'
	0630							Drop Ball for Fillup tube
	0720							Brake cir. Tag Bottom
	0745							Drop Ball for Packer shoe
	0758					600		Set P.R. shoe 600 psi
	0915	5.5	20					Start 26 ^{SS} 3% salt Flush
	0919	"	12				KCC	Start 500 gal Mud Flush
	0923	"	23					MIX 100 sks 40/60 Poz 2% Gel, 10% salt, 5% CBR-3
	0930						JAN 1 '9	Finished mixing cont. wash out pump & line
	0933		102				CONFIDENTIAL	Release shut off Plug & Displace
	0950					700		68 ^{SS} H ₂ O, 34 ^{SS} mud 102 ^{SS} total
	0953							Plug down 700 psi Holding
	0955							Release Press. Latch down held
	10:10					1,300		Drop opening plug
								open P.U. tool 1300 psi
	1020	6.5 BPM	78					Cir. Pump 10 ^{SS} Mud Good Circulation
	1040							MIX 260 sks 40/60 Poz 6% Gel, 1/4" Flocc.
			34					Finished mixing Release closing plug
	1046					1100		& Displace 34 ^{SS} H ₂ O
								Plug down 1100 psi holding
								Release Press. D.U. closed
								Cont. to surface Circulated
								3 ^{SS} Good Cont
								Wash & Pack up tank
								Job Complete

RELEASED.

FEB 1 4 1995

FROM CONFIDENTIAL

RECEIVED CORPORATION COMMISSION
 JAN 20 1994
 R. Keelster B0719 P.U. 40072
 T. Henry 71010 Van 41008
 M. Karlene G1511 B.T. 3703
 B. Crowder 89543 P.T. 51797