

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

Operator: License # 5050 **RELEASED**

Name: Hummon Corporation **JAN 29 1999**

Address: 950 N. Tyler

**FROM CONFIDENTIAL**

City/State/Zip: Wichita, Kansas 67212-3240

Purchaser: Kansas Gas Supply / NCRA

Operator Contact Person: Kent Roberts

Phone: (316) 773-2300

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Arden Ratzlaff

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  S10V  Temp. Abd.  
 Gas  ENHR  S1GV  
 Dry  Other (Core, VSW, Expl., Cathodic, etc)

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

Operator: JAN 7

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_ **CONFIDENTIAL**

Deepening  Re-perf.  Conv. to Inj/SWD  
Plug Back  PBTD  
Commingled  Decklet No. \_\_\_\_\_  
Dual Completion  Decklet No. \_\_\_\_\_  
Other (3VD or Inj?)  Decklet No. \_\_\_\_\_

10-30-97 11-13-97 11-14-97  
Spud Date Date Reached TD Completion Date

API NO. 15- 007-22549 0000

County Barber County, Kansas

SE - SE - SE - Sec. 6 Twp. 34S Rge. 15 **XX**

405 Feet from **Ⓢ** (circle one) Line of Section

405 Feet from **Ⓢ** (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE. **Ⓢ** NW or SW (circle one)

Lease Name Elizabeth Well # 1

Field Name Aetna Gas Area

Producing Formation Marmaton - Oswego

Elevation: Ground 1602' KS 1613'

Total Depth 5350' PBTD 5300'

Amount of Surface Pipe Set and Cemented at 260' 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 cat.

Drilling Fluid Management Plan ALT 1 JK 2-20-98  
(Data must be collected from the Reserve (it))

Chloride content 12,000 ppm Fluid volume 1320 bbls

Dewatering method used hauled off

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name Oil Producers

Lease Name Watson SWD License No. \_\_\_\_\_

NW Quarter Sec. 8 Twp. 29 S Rge. 15 **Ⓢ**

County Pratt Docket No. D-24324

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.

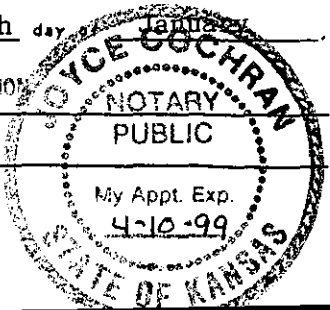
Signature Kent Roberts

Title Lease Operations Manager Date 1-7-98

Subscribed and sworn to before me this 7th day of January, 19 98

Notary Public Joyce Cochran

Date Commission Expires JAN 10-99



E.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NCRA  
 KGS  Plug  Other (Specify)

Operator Name Hummon Corporation

SIDE TWO

Lease Name Elizabeth

Well # 1

Sec. 6 Twp. 34 Rge. 15

East  
 West

County Barber County, Kansas

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.)  
(see attached)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy.)

List All E.Logs Run:

CND, DIL, MICRO, SONIC, BOND

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Heebner	3936	-2323
Lansing	4140	-2527
Pawnee	4692	-3079
Mississippi	4772	-3159
Viola	5088	-3475
Simpson Shale	5274	-3661
Simpson Sand	5293	-3680
TD	5347	-3734

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	14-1/4"	10-3/4"	32#	260'	60/40 Poz	225	3%cc 2%gel
Production	7-7/8"	4-1/2"	9.5#	5341'	60/40&ASC	175&75	10%salt 2%gel

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
4	5210 - 5220 CIBP @ 4790'	1500 gal Acetic	
4	4692 - 4704	1000 gal 15% MCA 3000 gal 15% gel acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	4660		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. wait on pipeline connection Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil	Sbls.	Gas	Mcf	Water	Sbls.	Gas-Oil Ratio	Gravity
	2		500		0			

Disposition of Gas:

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

METHOD OF COMPLETION

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

Production Interval

4692 - 4704

ORIGINAL

CONFIDENTIAL

Hummon Corporation

#1 Elizabeth  
SE SE SE 6-34S-15W  
Barber County, KS

DST #1

4683' - 4790'  
30-45-60-90  
GTS @ end of I.S.I TSTM  
GTS gauge 8890 CFG  
Recovered 30' GCM  
FP: 33-33 / 39-35  
SIP: 160 / 1573

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

KCC

JAN 7

CONFIDENTIAL

RECEIVED  
STATE CONSERVATION COMMISSION

JAN 8 1998

CONSERVATION DIVISION  
Topeka, Kansas

# ALLIED CEMENTING CO., INC.

6380

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

ORIGINAL

CONFIDENTIAL

SERVICE POINT:

Medicine Lodge

DATE	10-30-97	SEC.	6	TWP.	34S	RANGE	15W	CALLED OUT	8:30 AM	ON LOCATION	10:30 AM	JOB START	12:30 PM	JOB FINISH	1:00 PM
LEASE	Elisabeth	WELL #	1	LOCATION	ASTNA 2N, west to location			COUNTY	Barber	STATE	Kansas				

OLD, OR NEW (Circle one)

CONTRACTOR Duke Riggs  
 TYPE OF JOB Surface  
 HOLE SIZE 14 1/2 T.D.  
 CASING SIZE 10 3/4 x 32 DEPTH 260  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT —  
 CEMENT LEFT IN CSG. 15 Feet  
 PERFS.

OWNER Hummon Corp  
CEMENT

AMOUNT ORDERED 225 sk 60:40:2+38 cc

COMMON A	135	@	6.35	852.25
POZMIX	90	@	3.25	292.50
GEL	4	@	9.50	38.00
CHLORIDE	7	@	28.00	196.00
		@		
		@		
		@		
		@		
		@		
		@		

EQUIPMENT

PUMP TRUCK CEMENTER Carl Balding  
 # 266 HELPER Stone Winsor  
 BULK TRUCK  
 # 301 DRIVER James Holt  
 BULK TRUCK RELEASED  
 # DRIVER

HANDLING 225 @ 1.05 236.25  
 MILEAGE 225 x 33 .04 297.00

TOTAL \$197.00

JAN 29 1999

JAN 7

REMARKS:

FROM CONFIDENTIAL CONFIDENTIAL SERVICE

Break circulation w/rig  
Circulate for 5 minutes  
pump 5 Bbls Freshwater bld  
pump 225 sk 60:40:2+38 cc  
switch valves + release plug  
Displace with 24 1/2 Bbls Freshwater  
cement Did Circulate

DEPTH OF JOB	260			
PUMP TRUCK CHARGE				470.00
EXTRA FOOTAGE		@		
MILEAGE	33	@	2.85	94.05
PLUG	wooden 10 3/4"	@	55.00	55.00
		@		
		@		

TOTAL \$619.05

CHARGE TO: Hummon Corp  
 STREET 950 N. TYLER  
 CITY WICHITA STATE KANSAS ZIP 67212

FLOAT EQUIPMENT

DEPREVED	@		
STATE CORPORATION COMMISSION	@		
	@		
JAN 8 1998	@		
	@		
CONSERVATION DIVISION Wichita Kansas	@		

TOTAL

TAX \_\_\_\_\_  
 TOTAL CHARGE \$2536.05  
 DISCOUNT \$380.40 IF PAID IN 30 DAYS  
 NET \$2155.65

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]

JOE LEVINGSTON

# ALLIED CEMENTING CO., INC.

6387

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Medicine Lodge

DATE 11-9-99	SEC. 6	TWP. 34S	RANGE 15 W	CALLED OUT 9:00 pm	ON LOCATION 10:00 pm	JOB START 12:30	JOB FINISH <del>3:00 pm</del>
LEASE Elisabeth	WELL # 1	LOCATION EA+NA Ks. 2N, W/S			COUNTY Barber	STATE Kansas	

OLD OR NEW (Circle one)

CONTRACTOR Duke Rigs	OWNER Hummon Corp
TYPE OF JOB Squeeze, loss circulation	CEMENT
HOLE SIZE 7 7/8 T.D.	
CASING SIZE DEPTH	
TUBING SIZE DEPTH	
DRILL PIPE 4 1/2 x 16.60 DEPTH 4426	
TOOL DEPTH	
PRES. MAX 200 MINIMUM	
MEAS. LINE SHOE JOINT	
CEMENT LEFT IN CSG.	
PERFS.	

AMOUNT ORDERED 150 sx Class A + 8 1/2 Gyp-sol + 1/8 Gel + 1/8 cc.	
used 50 sx	

COMMON A 50 @ 6.35	313.50
POZMIX @	
GEL 1 @ 9.50	9.50
CHLORIDE 1 @ 23.00	23.00
Gyp Sol 4 @ 17.85	71.40
HANDLING 150 @ 1.05	157.50
MILEAGE 150 x .33 @ .04	198.00

RELEASED

JAN 29 1999

TOTAL \$ ~~777.90~~  
781.90

EQUIPMENT

PUMP TRUCK CEMENTER Carl Balding	
#257-265 HELPER Shane Winsor	
BULK TRUCK DRIVER Randie Landwehr	
#301	
BULK TRUCK DRIVER	
#	

REMARKS:

FROM CONFIDENTIAL SERVICE

Drill pipe set 24426 feet loss circulation  
1 stand below pump 82 fresh water pad  
pump 50 sx Class A Gyp + pump 3 BBLs pad Displace  
with 40 BBLs Mud, stop pumps Drill pipe on  
vacuum, pull 3 stands Drill pipe wait 3  
hours, trip back in w/ Drill pipe, break  
circulation w/ rig pump with full returns  
Release from location 3:00 pm

DEPTH OF JOB 4426	
PUMP TRUCK CHARGE 1145.00	
EXTRA FOOTAGE @	
MILEAGE 33 @ 2.85	94.05
PLUG @	
ADDITIONAL Lbs 5 @ 100.00	500.00

TOTAL \$1739.05

CHARGE TO: Hummon Corp  
STREET 950 NORTH TYLER  
CITY WICHITA STATE KANSAS ZIP 67412

FLOAT EQUIPMENT

@	
@	
@	
@	
@	

TOTAL

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE *Joe Livingston*  
JOE LIVINGSTON

TAX \_\_\_\_\_  
TOTAL CHARGE \$ ~~2316.90~~  
DISCOUNT \$ ~~370.84~~ IF PAID IN 30 DAYS

NET \$2139.41 RECEIVED  
STATE COMPTROLLER'S COMMISSION  
JAN 8 1999

CONSERVATION DIVISION  
KANSAS

CONFIDENTIAL

# ALLIED CEMENTING CO., INC.

6551

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:  
med. lodgts.

DATE <u>11-10-97</u>	SEC. <u>6</u>	TWP. <u>34s</u>	RANGE <u>15w</u>	CALLED OUT <u>7:00 A.M.</u>	ON LOCATION <u>10:00 A.M.</u>	JOB START <u>11:30 A.M.</u>	JOB FINISH <u>6:30 P.M.</u>
LEASEE <u>Elizabeth</u>	WELL # <u>1</u>	LOCATION <u>1601 Deerhead RD. 25-1/2w</u>			COUNTY <u>Barber</u>	STATE <u>KS.</u>	

OLD OR NEW (Circle one)

CONTRACTOR <u>Duke Drlg. #5</u>	OWNER <u>Hummon Corp.</u>
TYPE OF JOB <u>Plug Back</u>	CEMENT
HOLE SIZE <u>7 7/8</u>	T.D. <u>4950</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2 x hole</u>	DEPTH <u>4558'</u>
TOOL	DEPTH
PRES. MAX <u>500</u>	MINIMUM <u>250</u>
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	

OWNER Hummon Corp.  
CEMENT

AMOUNT ORDERED 175sxs. CLASS A + 8% Gyp Seal + 1% CaCl<sub>2</sub> + 1% Gel

COMMON <u>A 175</u>	@ <u>6.35</u>	<u>1111.25</u>
POZMIX	@	
GEL <u>2</u>	@ <u>9.50</u>	<u>19.00</u>
CHLORIDE <u>2</u>	@ <u>28.00</u>	<u>56.00</u>
<u>Gyp Seal 13</u>	@ <u>17.85</u>	<u>232.05</u>
	@	
	@	
	@	
HANDLING <u>175</u>	@ <u>1.05</u>	<u>183.75</u>
MILEAGE <u>175 x 33</u>	<u>.04</u>	<u>231.00</u>

### EQUIPMENT

PUMP TRUCK CEMENTER <u>Larry Dreiling</u>	
# <u>233-302</u> HELPER <u>Justin Hart</u>	
BULK TRUCK	
# <u>301</u> DRIVER <u>John Kelley</u>	
BULK TRUCK	
#	DRIVER

RELEASED TOTAL \$1833.05

JAN 29 1999

### REMARKS:

Drill Pipe on Bottom  
Pump 175 Spacer - 175sxs. CLASS A  
8% Gyp seal + 1% CaCl<sub>2</sub> + 1% Gel  
Displace Cement w/ 49 Bbls mud.  
Pull 20 stands wait on cement to set  
Tag Cement @ 4124' Had Full  
Returns

### SERVICE FROM CONFIDENTIAL

DEPTH OF JOB <u>4558'</u>	
PUMP TRUCK CHARGE	<u>1214.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>33</u>	@ <u>2.85</u> <u>94.05</u>
PLUG	@
	@
	@

TOTAL \$1308.05

CHARGE TO: Hummon Corp.  
 STREET 950 NORTH TYLER  
 CITY WICHITA STATE KANSAS ZIP 67212

### FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

TAX

TOTAL CHARGE \$3141.10

DISCOUNT \$471.16 RECEIVED IF PAID IN 30 DAYS

NET \$2669.94 JAN 8 1999

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Kent Roberts KENT ROBERTS

CONSERVATION DIVISION

# ALLIED CEMENTING CO., INC.

6554

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: med lodge, ks

DATE 11-14-97	SEC. 6	TWP. 34S	RANGE 150S	CALLED OUT 11:00 PM	ON LOCATION 3:00 AM	JOB START 9:15	JOB FINISH 11:45 AM
LEASE # Elizabeth	WELL # 1	LOCATION 601 Deerhead Road 12S-13/4W		COUNTY Barber	STATE KS		

OLD OR NEW (Circle one)

CONTRACTOR Duke Drilling #5  
TYPE OF JOB Prod. CSG.  
HOLE SIZE 7 7/8 T.D. 5330  
CASING SIZE 4 1/2 x 10.5 DEPTH 5331  
TUBING SIZE DEPTH  
DRILL PIPE DEPTH  
TOOL DEPTH  
PRES. MAX 1500 MINIMUM 200  
MEAS. LINE SHOE JOINT 29.50  
CEMENT LEFT IN CSG.  
PERFS.

OWNER Hummon Corp.  
CEMENT

**CONFIDENTIAL**

AMOUNT ORDERED 5000 lbs. mod. clean, 1750 lbs  
60/40/2% G. + 10% SALT, 7.5% CD-31 + 5# Kd-Seal  
7.5000 lbs. ASC + 5# Kd-Seal

COMMON @  
POZMIX @  
GEL @  
CHLORIDE @  
HANDLING @  
MILEAGE @

**EQUIPMENT**

PUMP TRUCK CEMENTER Arny Dreiling  
#257-302 HELPER Justin Hart  
BULK TRUCK  
#256-252 DRIVER Randie Hardwehr  
BULK TRUCK  
# DRIVER

TOTAL

**REMARKS:**

Pipe on Bottom - Break Circ.  
mix + Pump 5000 lbs. mod. clean, plug  
Rathew 1500 lbs. max. sealer w/1000 lbs. Cement  
1500 lbs. 60/40/2 + 10% SALT + 7.5% CD-31 +  
5# Kd-Seal. 7.5000 lbs. CLASS A ASC + 5# Kd-Seal  
Wash out Pump + lines. Release Plug  
Pump + Displace Plug w/ 85/213 lbs Fresh H<sub>2</sub>O  
Pump Plug. Release PSI. Float Hold.

**SERVICE**

DEPTH OF JOB 5331  
PUMP TRUCK CHARGE  
EXTRA FOOTAGE @  
MILEAGE @  
PLUG Rubber 4 1/2 @

RELEASED

JAN 29 1998

TOTAL

CHARGE TO: Hummon Corp.

STREET  
CITY STATE ZIP

**FROM CONFIDENTIAL**

1- Reg. Guide Shoe @  
1- AFD Insert @  
6- Centerizers @  
1- BASKET @

TOTAL

TAX  
TOTAL CHARGE  
DISCOUNT IF PAID IN 30 DAYS

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 is listed. The above work was  
done to satisfaction and supervision of owner agent or  
contractor. I have read & understand the "TERMS AND  
CONDITIONS" listed on the reverse side.

SIGNATURE *Kend Roberts*

RECEIVED  
STATE  
JAN 8 1998

Date 11-14-97 District Med Lodge Ticket No. 6554  
 Company Hummer Corp. Rig Duke #5  
 Lease Elizabeth Well No. 1  
 County Baker State KS  
 Location 1604 Deerhead RD. Field 6-345-15w  
125-12w

CEMENT DATA:  
 Spacer Type: 500 gals mud - Clean  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 4 1/2 Type F-55 Weight 10.5 Collar \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. 17.5 Sks Yield 1.33 ft<sup>3</sup>/sk Density 14.5 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type 60/40 + 10% salt  
5# Kol-Seal + 75% CD-31 Excess \_\_\_\_\_  
 Amt. 7.5 Sks Yield 1.58 ft<sup>3</sup>/sk Density 14.5 PPG

WATER: Lead 5.57 gals/sk Tail 7.26 gals/sk Total 36 Bbls.

**RELEASED**

Casing Depths: Top \_\_\_\_\_ Bottom JAN 29 1999

Pump Trucks Used 257-302 Justin H.  
 Bulk Equip. 256-252 Rardie L.

Drill Pipe: Size 4 1/2 Weight 16.60 Collars Xhole  
 Open Hole: Size 7 7/8 T.D. 5350 ft. P.B. to \_\_\_\_\_ ft.

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type Reg. Guide Shoe Depth \_\_\_\_\_  
 Float: Type AFU Insert Depth \_\_\_\_\_  
 Centralizers: Quantity 6 Plugs Top Rubber Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. BASKET  
 Disp. Fluid Type Fresh H<sub>2</sub>O Amt. 85 1/2 Bbls. Weight 8.34 PPG  
 Mud Type Chemical Weight 8.6 PPG

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0159 Lin. ft./Bbl. 62.70  
 Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 6.8599  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. .0406 Lin. ft./Bbl. 24.6474  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

COMPANY REPRESENTATIVE Kent Roberts

CEMENTER Larry Dreiling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
9:30	200					Pipe on Bottom - Break Circ.
10:40	200		12		5	mix + Pump. 500 gals mud - Clean
10:43	50		2		3	Rathole w/ 1.5sxs. 60/40
10:45	50		1		3	mousehole w/ 1.0sxs 60/40
10:50	200		36		5 1/2	150 SXS. 60/40 / 290 Gal + .75% CD-31
11:00						7.5sxs. Asc + 5# Kol-Seal
11:02	50		6		4	Cement In. Stop Pumps.
11:05	200		10		4	Wash out Pump + lines
	225		13		5 1/2	START Fresh H <sub>2</sub> O Displace
	225		15		5 1/2	Slight PSI Increase
	225		27		5 1/2	mud - Clean Turn Shoe
	400		54		5 1/2	60/40 / Turn Shoe
	550		63		5 1/2	PSI lift
	800		80		4	Asc Turn Shoe
	800		81		3	slow Rate - PSI Increase
11:15	1500		85 1/2		3	Decrease Rate
						Pump Plug
						Release PSI
						Float Held

**CONFIDENTIAL**