Form ACO-1 (7-91)
Drill Stem Tests Taken
(Attach Additional Sheets.)
   Yes   No
Samples Sent to Geological Survey
   Yes   No
Cores Taken
   Yes   No
Electric Log Run
   Yes   No
(Submit Copy.)
List All E. Logs Run:
RAG

Log Formation (Top), Depth and Datums
Name           Top        Datum
ANHYDRITE      2155       +325
BASE ANHYDRITE 2189       +291
HEEBNER        3702       -1222
LANSING        3726       -1246
BASE KC        3930       -1440
RTD            3950       -1470
LTD            3949       -1469

CASING RECORD

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String
Size Hole Drilled
SURFACE  12-1/4
PRODUCTION  7-7/8
INJECTION  2-3/8
Size Casing Set (in O.D.)
SURFACE  8-5/8
PRODUCTION  5-1/2
INJECTION  2-3/8
Weight Lbs./Ft.
UNKNOWN
14
4.7
Setting Depth
305
3942
3846.49
Type of Cement
50/50 POZ
ASC
Type and Percent Additives
2% GEL, 3% CC
10% SALT

ADDITIONAL CEMENTING/SQUEEZE RECORD

Perforate
Protect Casing
Plug Back TD
Plug Off Zone

Purpose:
Type of Cement
60/40 POZ
# Sacks Used
375
Type and Percent Additives
6% GEL, 1/4# FLOCELE

PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated
Shots Per Foot
4
Specify Footage of Each Interval Perforated
3887-93
Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)
500 GAL 15% SCA
Depth
3887-93

TUBING RECORD

Size
2-3/8 SEAL-TITE
Set At
3846.49
Packer At
3842.29
Liner Run
Yes   No

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

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

Disposition of Gas:
Vented   Sold   Used on Lease
(if vented, submit ACD-1B).

METHOD OF COMPLETION

Open Hole   Perf.   Dually Comp.   Commingled

Production Interval
3887-93
ALLIED CEMENTING CO., INC.  
REM TO  PO. BOX 31  
RUSSELL, KANSAS 67665  

ORIGINAL  

DATE  7-11-97  
SEC.  31  
TWP.  b  
RANGE  23w  
CALLED OUT  6:45 Am  
ON LOCATION  9:45 Am  
JOB START  10:00 Am  
JOB FINISH  12:00 Pm  
LEASE  Elliott  
WELL #  2  
LOCATION  Hill City 8 N 4 W  
COUNTY  Graham  

CONTRACTOR  Mourin Drilling Co.  
TYPE OF JOB  Port Collar (Circ. Cement)  
HOLE SIZE  TD.  
CASING SIZE  5 1/2  
TUBING SIZE  2 7/8  
DRILL PIPE  
TOOL  Port Collar  DEPTH  2183  
RES. MAX  1600 ft  MINIMUM  
MEAS. LINE  SHOE JOINT  
CEMENT LEFT IN CSG.  
PERFS.  

OWNER  
CEMENT  
AMOUNT ORDERED  425 sl 600  

EQUIPMENT  
PUMP TRUCK  
#  127  
CREMENTER  
HELPER  
BULK TRUCK  
#  254  
DRIVER  
BULK TRUCK  
#  
DRIVER  

REMARKS:  
Test CSG to 1,000 ft (1100)  
Open Port Collar - Pumped 80 PPM  
Mixed 325 sl Cement, 7 Port Collar  
To Surface, Disp. 9 sl, Dry.  
Closed Port Collar & Test to 1500 ft (2100)  
Run 4 Jts & Cement Hole Clean.  
Bull Tool.  

CHARGE TO  Dunne Oil Co.  

SERVICE  
DEPTH OF JOB  
PUMP TRUCK CHARGE  
EXTRA FOOTAGE  
MILEAGE  
PLUG  

TOTAL  

FLOAT EQUIPMENT  

TAX  
TOTAL CHARGE  
DISCOUNT  
IF PAID IN 30 DAYS  

SIGNATURE  

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 and understand the "TERMS AND CONDITIONS" listed on the reverse side.

T. C. Larson  

LARSON ENGINEERING, INC.
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.

Signed: John Doe

PRINTED NAME
| OPERATOR: | CONTRACTOR: 
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Spud hole at 4:00 p.m. 7-07-77. Cut 300' of 121/4" hole. Ran 8 jts. of 8 5/8" casing. (Tally 298') Set at 305' K.B. with 275 sx. 50/50 possmix, 2% gel, 3% Ca. Cl. Plug was down at 10:00 p.m. Cement did circulate.

T.D. 3950'. Set 1st plug at 1100' with 70 sx., 2nd plug at 300' with 20 sx., 40' bridge with 10 sx. Cemented with 50/50 possmix, 6% gel. Plug was down at 2:15 a.m. 2-17-77. State Plugger - Gilbert Balthazor.

STATE OF KANSAS  
COUNTY OF SEDGWICK

Jack L. Partridge, Assistant Secretary-Treasurer of Abercornble Drilling, Inc., does hereby state that the above and foregoing is a true and correct copy of the log of the ELLIOTT #2, SE SW NE, Section 31-65-23W, Graham County, Kansas.