

ORIGINAL

SIDE ONE

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

Operator: License # 5422  
Name: Abercrombie Drilling, Inc.  
Address 150 N. Main, Suite 801  
City/State/Zip Wichita, KS 67202

Purchaser: \_\_\_\_\_  
Operator Contact Person: Jerry A. Langrehr  
Phone (316) 262-1841

Contractor: Name: Abercrombie Drilling, Inc.  
License: 5422

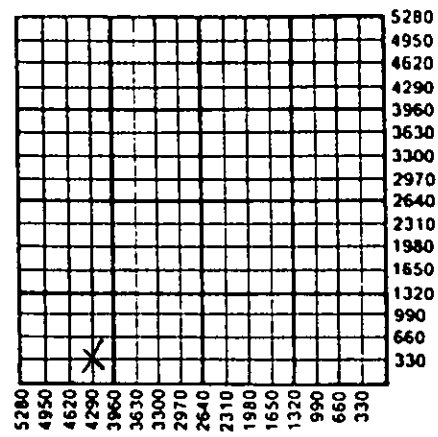
Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

If OWD: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
10-11-90 10-24-90  
Spud Date Date Reached TD Completion Date

API NO. 15- 171-20,415-00-00  
County Scott Co.  
SE SW SW Sec. 9 Twp. 19S Rge. 31  East West  
330'  Ft. North from Southeast Corner of Section  
4290'  Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)  
Lease Name Ball  Well # 1  
Field Name Wildcat  
Producing Formation LKC Marmaton  
Elevation: Ground 2975 KB 2980'  
Total Depth 4685' PBTD \_\_\_\_\_



*AI-D DxD*

Amount of Surface Pipe Set and Cemented at 313.74 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 cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACD-2 within 120 days from commencement date of such work.

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 Jack B. Wharton  
Title Sec. Treasurer Date 11/26/90  
Subscribed and sworn to before me this 26th day of November, 19 90.  
Notary Public Angela Woodard  
Date Commission Expires March 20, 1993

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)  
11-28-90

ANGELA WOODARD  
State of Kansas  
Exp. Mar. 20, 1993

**SIDE TWO**

Operator Name Abercrombie Drilling, Inc. Lease Name Ball Well # 1  
 Sec. 9 Twp. 19S Rge. 31  East  West  
 County Scott Co.

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>(Attach Additional Sheets.)<br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(Submit Copy.) | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <td></td> <td align="center"><input type="checkbox"/> Log</td> <td align="center"><input type="checkbox"/> Sample</td> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> <tr> <td>Krider</td> <td>2756'</td> <td>(+224)</td> </tr> <tr> <td>Heebner</td> <td>3899'</td> <td>(-920')</td> </tr> <tr> <td>Lansing</td> <td>3940'</td> <td>(-961')</td> </tr> <tr> <td>Anhydrite</td> <td>2256'</td> <td>(+723)</td> </tr> <tr> <td>Base Anhydrite</td> <td>2273'</td> <td>(+706)</td> </tr> <tr> <td>Stark Shale</td> <td>4213'</td> <td>(-1234')</td> </tr> <tr> <td>Fort Scott</td> <td>4470'</td> <td>(-1500')</td> </tr> <tr> <td>Cherokee Shale</td> <td>4503'</td> <td>(-1524')</td> </tr> <tr> <td>Mississippian</td> <td>4597'</td> <td>(-1618')</td> </tr> <tr> <td>Miss. Dolomite</td> <td>4609'</td> <td>(-1630)</td> </tr> </table> | Formation Description           |  |  |  | <input type="checkbox"/> Log | <input type="checkbox"/> Sample | Name | Top | Bottom | Krider | 2756' | (+224) | Heebner | 3899' | (-920') | Lansing | 3940' | (-961') | Anhydrite | 2256' | (+723) | Base Anhydrite | 2273' | (+706) | Stark Shale | 4213' | (-1234') | Fort Scott | 4470' | (-1500') | Cherokee Shale | 4503' | (-1524') | Mississippian | 4597' | (-1618') | Miss. Dolomite | 4609' | (-1630) |
|--|--|---------------------------------|--|--|--|------------------------------|---------------------------------|------|-----|--------|--------|-------|--------|---------|-------|---------|---------|-------|---------|-----------|-------|--------|----------------|-------|--------|-------------|-------|----------|------------|-------|----------|----------------|-------|----------|---------------|-------|----------|----------------|-------|---------|
| Formation Description  |  |                                 |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |
|  | <input type="checkbox"/> Log   | <input type="checkbox"/> Sample |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |
| Name   | Top  | Bottom                          |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |
| Krider   | 2756'  | (+224)                          |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |
| Heebner  | 3899'  | (-920')                         |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |
| Lansing  | 3940'  | (-961')                         |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |
| Anhydrite  | 2256'  | (+723)                          |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |
| Base Anhydrite   | 2273'  | (+706)                          |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |
| Stark Shale  | 4213'  | (-1234')                        |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |
| Fort Scott   | 4470'  | (-1500')                        |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |
| Cherokee Shale   | 4503'  | (-1524')                        |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |
| Mississippian  | 4597'  | (-1618')                        |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |
| Miss. Dolomite   | 4609'  | (-1630)                         |  |  |  |                              |                                 |      |     |        |        |       |        |         |       |         |         |       |         |           |       |        |                |       |        |             |       |          |            |       |          |                |       |          |               |       |          |                |       |         |

DST #1 (2731'-2786') (Krider)  
 30-45-60-45  
 Rec. 60' drilling mud, showgas  
 IFPs 41-41# ISIP 280#  
 FFPs 52-52# FSIP 249#

(continued on attached sheet)

**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           | 12 1/2"           | 8 5/8"                    | 20#             | 313.74        | 60-40pozmix    | 55           | 2%gel 3%cc                 |
|                   |                   |                           |                 |               |                |              |                            |
|                   |                   |                           |                 |               |                |              |                            |

| Shots Per Foot | PERFORATION RECORD<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) Depth |
|----------------|---|---|
|                |   |   |
|                |   |   |
|                |   |   |
|                |   |   |
|                |   |   |
|                |   |   |
|                |   |   |

**TUBING RECORD** Size \_\_\_\_\_ Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

|                                   |   |         |             |               |         |  |  |
|-----------------------------------|---|---------|-------------|---------------|---------|--|--|
| Date of First Production          | Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) |         |             |               |         |  |  |
| Estimated Production Per 24 Hours | Oil Bbls.   | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |  |  |

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

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

ORIGINAL

BALL #1

DST #2 (4212'-4235') (K Zone Lansing-KC)

30-45-60-45

Rec. 100' gsy MCO (20% gas, 60% oil)

40' gsy OCM (10% gas, 10% oil)

60' gsy O&amp;WCM (15% gas, 5% oil, 30% wtr)

120' mdy wtr.

IFPs 31-72 ISIP 1070

FFPs 83-155 FSIP 1050

DST #3 (4319'-4380') (Marmaton A &amp; B)

30-45-60-45

Rec. 220' oil sptd mud, 60' oil sptd wtry mud,

740' water (25,000 chlorides)

IFPs 70-259 ISIP 1090

FFPs 291-488 FSIP 1020

DST #4 (4388'-4406') (Marmaton C)

30-30-30-30

Rec. 5' mud

IFPs 20-20 ISIP 395

FFPs 20-20 FSIP 599

DST #5 (4604'-4622') (Mississippian)

30-45-60-45

Strong blow - Rec. 378' gas in pipe

220' clean gassy oil (30.6°)

63' OCM (10% oil)

63' SOCM water (5% oil, 60% water) (chlorides 9500)

IFPs 41-72 ISIP 1130

FFPs 104-166 FSIP 1100

DST #6 (4622'-4630') (Mississippian)

30-45-60-45

Rec. 2' clean oil, 120' water (chlorides 9700)

IFPs 20-41 ISIP 1160

FFPs 52-72 FSIP 1130

DST #7 (4600'-4618') (straddle packers)

30-45-60-45

Rec. 248' gas in pipe

62' clean gassy oil (30°)

62' gassy OCM (5% gas 45% oil)

62' slightly gassy oil &amp; WCM (3% gas, 2% oil, 45% wtr)

62' muddy water

IFPs 31-52 ISIP 1110

FFPs 62-114 FSIP 1090

MAY 28 1990

483-2627, Russell, Kansas  
 16-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3842

# ALLIED CEMENTING CO., INC. NO 7112

Home Office P. O. Box 31

Russell, Kansas 67665

*New*

|       |          |          |   |          |               |       |    |            |         |             |         |           |         |        |         |
|-------|----------|----------|---|----------|---------------|-------|----|------------|---------|-------------|---------|-----------|---------|--------|---------|
| Date  | 10-11-90 | Sec.     | 9 | Twp.     | 19            | Range | 31 | Called Out | 1:30 AM | On Location | 3:00 AM | Job Start | 4:45 AM | Finish | 5:45 AM |
| Lease | Ball     | Well No. | 1 | Location | Shipton 2W 5S |       |    | County     | Scott   | State       | Ks      |           |         |        |         |

|                     |             |                               |  |
|---------------------|-------------|-------------------------------|--|
| Contractor          | Abercrombie | Owner name                    | \$ 9:30 AM   |
| Type Job            | Surface     | 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.                          | 318'   |
| Csg.                | 8 5/8       | Depth                         | 313'   |
| Tbg. Size           |             | Depth                         |  |
| Drill Pipe          |             | Depth                         |  |
| Tool                |             | Depth                         |  |
| Cement Left in Csg. | 15'         | Shoe Joint                    |  |
| Press Max.          |             | Minimum                       |  |
| Meas Line           | NO          | Displace                      | 19.4   |
| Perf.               |             |                               |  |

|   |                  |
|---|------------------|
| Charge To   | Abercrombie Inc. |
| Street  | 801 Union Center |
| City  | Wichita          |
| State   | Ks. 67202        |
| The above was done to satisfaction and supervision of owner agent or contractor |                  |

Purchase Order No.  
 X *Anthony Mark*  
**CEMENT**

**EQUIPMENT**

|               |          |                      |
|---------------|----------|----------------------|
| No.           | Cementor |                      |
| Pumptrk # 158 | Helper   |                      |
| No.           | Cementor | <i>Jason Bowling</i> |
| Pumptrk       | Helper   | <i>Bill S.</i>       |
|               | Driver   | <i>Bill W.</i>       |
| Bulktrk # 69  |          |                      |
| Bulktrk       | Driver   |                      |
| # 96          |          | <i>Buf.</i>          |

|                |                                    |
|----------------|------------------------------------|
| Amount Ordered | 225 60/40 25% gel 37% CC           |
| Consisting of  | (another 100 60/40 2+3) used 75 ox |
| Common         | 180 5.25 945.00                    |
| Poz. Mix       | 120 2.25 270.00                    |
| Gel.           | 6 6.75 NIC                         |
| Chloride       | 9 21.00 189.00                     |
| Quickset       |                                    |

|              |                   |              |
|--------------|-------------------|--------------|
| DEPTH of Job |                   |              |
| Reference:   | Pump truck charge | 380.00       |
| 50           | Mileage           | 100.00       |
| 1            | 8 5/8 TWP         | 42.00        |
|              | 13' at .39        | NIC          |
|              |                   | Total 522.00 |

|                                    |     |      |         |
|------------------------------------|-----|------|---------|
| Handling                           | 325 | 1.00 | 325.00  |
| Mileage                            | 50  |      | 487.50  |
| STATE TEMPORARY COMMISSION         |     |      |         |
| Sub Total                          |     |      |         |
| DEC 12 1990                        |     |      |         |
| CONSERVATION DIVISION              |     |      |         |
| Floating Equipment Wichita, Kansas |     |      |         |
| Total                              |     |      | 2216.50 |

Remarks: Cement did not circulate & lost circulation at 150' deep & never had returns, mixed bottom cement & 1' top stop driver had anything in cell with ~~stop~~ brought out another 100 ox & used 75 ox of it.  
 Allied Cementing Jason Bowling

1-8 5/8 Basket - 180.00  
 Total \$ 2918.50  
 Disc - 583.70  
 \$ 2334.80  
 Thank you.



P.O. Box 4442  
Houston, Tx. 77210

CUSTOMER COPY

ORIGINAL

SERVICE OPERATIONS CONTRACT

TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

|  |   |
|--|---|
| DATE<br>10-23-90   | SERVICE CONTRACT NO.<br>61005U                  |
| NEW WELL [X] WELL TYPE [0]   | JOB NUMBER                                      |
| WELL NO. 1   | LEASE NAME & FEDERAL OFFSHORE LEASE NO.<br>Ball |
| COUNTY PARISH<br>Scott   | CODE STATE<br>Ks                                |
| CITY<br>Abercrombie Dalg #8  | CITY CODE                                       |
| WELL OWNER<br>Abercrombie Dalg Co  | MTA CODE  |
| STAGE NO. JOB CODE   | WORKING DEPTH 2290 FT                           |
| 1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/> | PUMPING EQUIPMENT TIME (A OR P) DATE            |
| TOTAL PREV. GALS.  | TRUCK CALLED 11:00 A 10/23/90                   |
| SIZE HOLE 7 7/8" DEPTH 4685' FT  | ARRIVED AT JOB 2:00 P 10/23/90                  |
| SIZE & WT. CASING DEPTH  | START OPERATION 2:40 P 10/23/90                 |
| SIZE & WT. DRILL PIPE OR TUBING 4 1/2" 16.60* DEPTH 2290 FT  | FINISH OPERATION 5:45 P 10/23/90                |
| FLUID PUMPED   | TIME RELEASED 6:00 P 10-23-90                   |
| AVG PSI 300 MAX PSI 500  | MILES FROM STATION TO WELL 52                   |
| SALES MAN NUMBER   |   |

|   |  |
|---|--|
| CUSTOMER ACCOUNT NO.  | DIST NAME<br>Oa Blay, Ks   |
| CUSTOMER<br>Abercrombie Dalg Co Inc                         | DIST NUMBER<br>3320  |
| ADDRESS   |  |
| CITY STATE ZIP  |  |
| AUTHORIZED BY: (Please Print)<br>Jamy Martin                | ORDER NO.  |
| STAGE NO. JOB CODE  | WORKING DEPTH 2290 FT  |
| TOTAL PREV. GALS.   | 1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/> |
| SIZE HOLE 7 7/8" DEPTH 4685' FT                             |  |
| SIZE & WT. CASING DEPTH                                     |  |
| SIZE & WT. DRILL PIPE OR TUBING 4 1/2" 16.60* DEPTH 2290 FT |  |
| FLUID PUMPED  |  |
| AVG PSI 300 MAX PSI 500                                     |  |
| SALES MAN NUMBER  |  |
| 512-58-0438   |  |

CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT

REMARKS

\* 102 - 6725

Rig # 8 - Ball # 1

SM

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)  
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK 011

SIGNED *[Signature]*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| PRICE BOOK REF NO                              | QUANTITY | DESCRIPTION                | UNIT PRICE    | U M | PRICE EXTENSION |
|--|----------|----------------------------|---------------|-----|-----------------|
| 11011098116                                    | 1        | Pumping charge             | 650.00 ea     |     | 650.00          |
| 11011090105                                    | 52       | Pump trk mileage Ness City | 2.35 Per mile |     | 122.20          |
| 110410504                                      | 117      | Class A Cement             | 6.30 sh       |     | 737.10          |
| 1104115018                                     | 78       | Poz Mix                    | 3.62 sh       |     | 282.36          |
| 1104201145                                     | 1000     | Hel                        | .13 lb        |     | 130.00          |
| 1104201008                                     | 50       | Celloflake                 | 1.21 lb       |     | 60.50           |
| 1104301538                                     | 1        | 8 5/8" plug                | 12.00 ea      |     | 12.00           |
| 1109401101                                     | 463      | Hauling 8.9 x 52           | .75 TM        |     | 347.25          |
| 1108801001                                     | 195      | Handling & dumping         | 1.10 sh       |     | 214.50          |
| Sub-Total 2555.91 (-20% discount 511.18) Total |          |                            |               |     | 2044.73         |

SERVICE REPRESENTATIVE *[Signature]*  
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CHECK IF CONTINUATION IS USED

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



P.O. Box 4442  
Houston, Texas 77210

# ORIGINAL CEMENTING LOG

STAGE NO. \_\_\_\_\_

Date 10-23-90 District Oakley, Ks Ticket No. 610050  
 Company Abercrombie Ditzler Rig Aber #8  
 Lease Bald Well No. 1  
 County Scott State Ks  
 Location Scott City 8E-55-3E Field \_\_\_\_\_

### CEMENT DATA

Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type 60/40 Pan  
6% gel #1 Cellulose Excess \_\_\_\_\_  
 Amt. 995 Sks Yield 1.53 ft<sup>3</sup>/sk Density 13.5 PPG \_\_\_\_\_

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

WATER Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls \_\_\_\_\_

Pump Trucks Used BSU-6463  
 Bulk Equip BSU-2037

CASING DATA PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size \_\_\_\_\_ Type \_\_\_\_\_ Weight \_\_\_\_\_ Collar \_\_\_\_\_

Casing Depths Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe Size 4 1/2" Weight 16.60# Collars x hole  
 Open Hole Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft P.B. to \_\_\_\_\_ ft

### CAPACITY FACTORS

Casing: Bbls/Lin ft. \_\_\_\_\_ Lin ft /Bbl \_\_\_\_\_  
 Open Holes: Bbls/Lin ft. \_\_\_\_\_ Lin ft /Bbl \_\_\_\_\_  
 Drill Pipe: Bbls/Lin ft. .0142 Lin ft /Bbl 70.3  
 Annulus: Bbls/Lin ft. \_\_\_\_\_ Lin ft /Bbl \_\_\_\_\_  
 Bbls/Lin ft. \_\_\_\_\_ Lin ft /Bbl \_\_\_\_\_

Perforations From \_\_\_\_\_ ft to \_\_\_\_\_ ft Amt \_\_\_\_\_

Floater Equip Manufacturer \_\_\_\_\_  
 Shoe Type \_\_\_\_\_ Depth \_\_\_\_\_

Floater Type \_\_\_\_\_ Depth \_\_\_\_\_

Centralizers Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equip \_\_\_\_\_

Disp Fluid Type #2 mud Amt \_\_\_\_\_ Bbls Weight \_\_\_\_\_ PPG \_\_\_\_\_

Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG \_\_\_\_\_

COMPANY REPRESENTATIVE Tony Martin

CEMENTER Harry J.

| TIME | PRESSURES PSI |                   | FLUID PUMPED DATA |             |                        | REMARKS   |
|------|---------------|-------------------|-------------------|-------------|------------------------|---|
|      | AM/PM         | DRILL PIPE CASING | ANNULUS           | TOTAL FLUID | Pumped Per Time Period |   |
| 2:00 |               |                   |                   |             |                        | pm loc & set up tabs<br>hold pre-job safety meeting<br>1st plug 50 sk @ 2590'<br>2nd plug 80 sk @ 1600'<br>3rd plug 40 sk @ 330'<br>4th plug 10 sk @ 40'<br>15 sk in RH<br><br>195 sk 60/40 Pan 6% gel, #1 Cellulose<br><br>Thank you<br>Harry & crew |
| 2:30 |               |                   |                   |             |                        |   |
| 2:40 |               |                   |                   |             |                        |   |
| 3:25 |               |                   |                   |             |                        |   |
| 4:15 |               |                   |                   |             |                        |   |
| 5:40 |               |                   |                   |             |                        |   |
| 5:45 |               |                   |                   |             |                        |   |

STATE OF KANSAS  
 COMMISSION  
 OCT 2 1990  
 CONSERVATION DIVISION  
 WICHITA, KANSAS

FINAL DISP PRESS \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs THANK YOU



B.J. TITAN SERVICES

LOAD SHEET

ORIGINAL

|                             |                 |                         |                                    |
|-----------------------------|-----------------|-------------------------|------------------------------------|
| JOB NUMBER<br><b>610050</b> | CONTRACT NUMBER | DATE<br><b>10-23-90</b> | DISTRICT NAME<br><b>Oakley, Ks</b> |
|-----------------------------|-----------------|-------------------------|------------------------------------|

|  |                      |
|--|----------------------|
| CUSTOMER NAME AND ADDRESS<br><b>Abercrombie Dry G.</b> | DIRECT SHIPMENT FROM |
|  | VENDOR NAME          |

| Item No. | Part Number | Description    | UNIT OF MEASURE | AMOUNT LOADED | DIRECT SHIPPED | AMOUNT RETURNED |
|----------|-------------|----------------|-----------------|---------------|----------------|-----------------|
| 1        | 410504      | Class A Cement | sb              | 117           |                |                 |
| 2        | 415018      | Pas Mix        | sb              | 78            |                |                 |
| 3        | 420145      | Hel            | lb              | 1000          |                |                 |
| 4        | 422008      | Cellulose      | lb.             | 50            |                |                 |
| 5        | 430538      | 8 5/8" plug    | ea              | 1             |                |                 |
| 6        |             |                |                 |               |                |                 |
| 7        |             |                |                 |               |                |                 |
| 8        |             |                |                 |               |                |                 |
| 9        |             |                |                 |               |                |                 |
| 10       |             |                |                 |               |                |                 |
| 11       |             |                |                 |               |                |                 |
| 12       |             |                |                 |               |                |                 |
| 13       |             |                |                 |               |                |                 |
| 14       |             |                |                 |               |                |                 |
| 15       |             |                |                 |               |                |                 |
| 16       |             |                |                 |               |                |                 |
| 17       |             |                |                 |               |                |                 |
| 18       |             |                |                 |               |                |                 |
| 19       |             |                |                 |               |                |                 |
| 20       |             |                |                 |               |                |                 |
| 21       |             |                |                 |               |                |                 |
| 22       |             |                |                 |               |                |                 |
| 23       |             |                |                 |               |                |                 |
| 24       |             |                |                 |               |                |                 |
| 25       |             |                |                 |               |                |                 |
| 26       |             |                |                 |               |                |                 |
| 27       |             |                |                 |               |                |                 |

RECEIVED  
STATE COMMISSION  
OCT 23 1990  
CONSERVATION DIVISION  
Wichita, Kansas

|  |   |  |
|--|---|--|
| COPY 1 - DISTRICT COPY<br>COPY 2 - CUSTOMER COPY<br>COPY 3 - HOUSTON | LOADED BY: <b>Rory Leibel</b><br><small>PRINTED</small> | CUSTOMER: <b>[Signature]</b><br><small>SIGNATURE</small> |
|  | <b>Harry Gibson</b><br><small>SIGNATURE</small>         | DATE: <b>10-23-90</b>                                    |