

ORIGINAL

SIDE ONE

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

Operator: License # 7076

Name: Black Diamond Oil, Inc.

Address 3004 Broadway Ave.

City/State/Zip Hays, KS 67601

Purchaser: Farmland Industries, Inc.

Operator Contact Person: Kenneth Vehige

Phone (913) -625-5891

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Kenneth Vehige

Designate Type of Completion

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

If ~~OWO~~: old well info as follows:

Operator: \_\_\_\_\_

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

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

Drilling Method:

- Mud Rotary     Air Rotary     Cable

9/24/90    10/1/90    11/15/90

Spud Date            Date Reached TD            Completion Date

API NO. 15- 063-21,344-0000

County Gove ✓

NW SW SE    Sec. 27    Twp. 15S    Rge. 26     East

990 ✓    Ft. North from Southeast Corner of Section

2310 ✓    Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

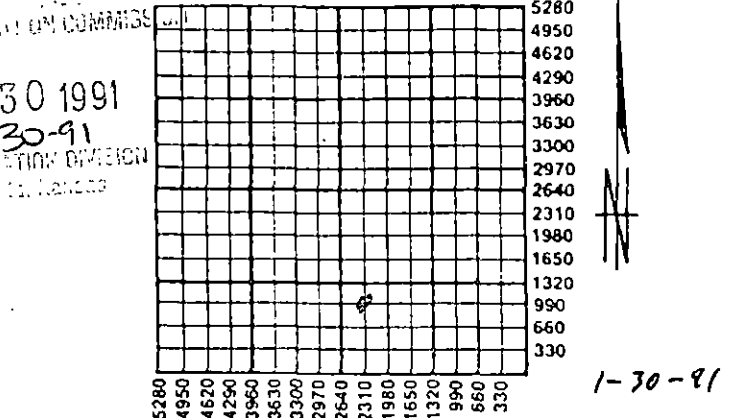
Lease Name Babcock ✓    Well # 1

Field Name \_\_\_\_\_

Producing Formation Mississippi

Elevation: Ground 2516'    KB 2521'

Total Depth 4442'    PBDT \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 252.43 Feet

Multiple Stage Cementing Collar Used?  Yes     No

If yes, show depth set 1932 Feet

If Alternate II completion, cement circulated from 1932

feet depth to 0 w/ 254 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 ACO-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.

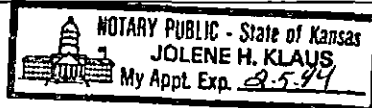
Signature Kenneth Vehige

Title Owner/Operator    Date 1/11/91

Subscribed and sworn to before me this 15th day of Jan, 1991.

Notary Public Jolene H. Klaus

Date Commission Expires 2/5/94



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)

**SIDE TWO**

Operator Name Black Diamond Oil, Inc. Lease Name Babcock Well # 1  
 Sec. 27 Twp. 15S Rge. 26  East  West  
 County Gove

**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.) tickets attached  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

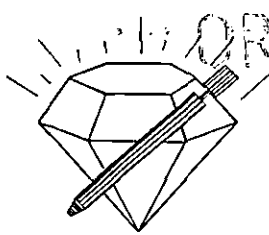
| Formation Description |      |        |
|-----------------------|------|--------|
| Name                  | Top  | Bottom |
| Anhydrite             | 1946 | 1980   |
| Heebner               | 3775 |        |
| Lansing-KC            | 3814 | 4112   |
| Ft. Scott             | 4323 |        |
| Mississippi           | 4413 |        |
| T.D.                  | 4443 |        |

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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 1/4"                                     | 8 5/8"                                                                                                                                                                   | N/A             | 254                                                                           | 60/40 Poz      | 160          | 2%Gel, 3%CC                |
| Production                                                                          | 7 3/8"                                      | 4 1/2"                                                                                                                                                                   | N/A             | 4442                                                                          | ASC            | 200          | N/A                        |
| PERFORATION RECORD                                                                  |                                             |                                                                                                                                                                          |                 | Acid, Fracture, Shot, Cement Squeeze Record                                   |                |              |                            |
| Shots Per Foot                                                                      | Specify Footage of Each Interval Perforated |                                                                                                                                                                          |                 | Amount and Kind of Material Used                                              |                | Depth        |                            |
| 2                                                                                   | 4427-4435                                   |                                                                                                                                                                          |                 | 2000 gal. MOD 303                                                             |                | 4413         |                            |
| 4                                                                                   | 4352-4354                                   |                                                                                                                                                                          |                 | 1000 gal. 15% NE                                                              |                | 4354-38      |                            |
| 4                                                                                   | 4343-4345                                   |                                                                                                                                                                          |                 | 1000 gal. 15% MCA                                                             |                | 4036-3978    |                            |
| 4                                                                                   | 4338-4340                                   |                                                                                                                                                                          |                 |                                                                               |                |              |                            |
| 4                                                                                   | 4034-4036                                   |                                                                                                                                                                          |                 | Non-commercial                                                                |                |              |                            |
| 1                                                                                   | 4003                                        |                                                                                                                                                                          |                 |                                                                               |                |              |                            |
| 1                                                                                   | 3978                                        |                                                                                                                                                                          |                 |                                                                               |                |              |                            |
| TUBING RECORD                                                                       |                                             |                                                                                                                                                                          |                 | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                |              |                            |
|                                                                                     | Size                                        | Set At                                                                                                                                                                   | Packer At       |                                                                               |                |              |                            |
|                                                                                     | 2 3/8"                                      | 4420                                                                                                                                                                     | N/A             |                                                                               |                |              |                            |
| Date of First Production                                                            |                                             | Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) |                 |                                                                               |                |              |                            |
| 1-5-91                                                                              |                                             |                                                                                                                                                                          |                 |                                                                               |                |              |                            |
| Estimated Production Per 24 Hours                                                   | Oil Bbls.                                   | Gas Mcf                                                                                                                                                                  | Water Bbls.     | Gas-Oil Ratio                                                                 |                | Gravity      |                            |
|                                                                                     | 6                                           |                                                                                                                                                                          | 18              |                                                                               |                |              |                            |

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 DIAMOND TESTING

P. O. Box 157  
HOISINGTON, KANSAS 67544  
(316) 653-7550

## DRILL-STEM TEST TICKET

Company Black Diamond Oil Inc Lease & Well No. 3660CK # 1  
 Contractor Emphasis Rig 7 Charge to Black Diamond Oil Inc  
 Elevation 2521 KB Formation LKC Effective Pay \_\_\_\_\_ Ft. Ticket No. 699  
 Date 9-29-90 Sec. 27 Twp. 15 S Range 26 W County Gove State KANSAS  
 Test Approved By [Signature] Diamond Representative Roger D. Friedly  
 Formation Test No. 1 Interval Tested from 3960 ft. to 4050 ft. Total Depth 4050 ft.  
 Packer Depth 3955 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 3960 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3948 ft. Recorder Number 13386 Cap. 3875 P.S.I.  
 Bottom Recorder Depth (Outside) 4047 ft. Recorder Number 13556 Cap. 4425 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 49 Drill Collar Length 31 ft. I.D. 2 1/4 in.  
 Weight 9.0 Water Loss 8.6 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 8200 P.P.M. Drill Pipe Length 3905 1/2 ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number N/A Test Tool Length 25 ft. Tool Size 3 1/2 in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 90 ft. Size 4 1/2 in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Flow: Weak 1/2" blow slowly increasing to 1 3/4" @ end  
 2nd Flow: Weak 1/4" blow slowly increasing to @ end

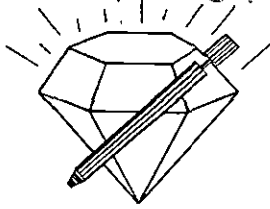
Recovered 55 ft. of Drilling mud (thin) with a few oil specks  
 Recovered \_\_\_\_\_ ft. of some free oil on tool  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

|          |                                          |               |
|----------|------------------------------------------|---------------|
| Remarks: | STATE COMMISSION                         | Price Job     |
|          | IAN 30 1991                              | Other Charges |
|          | CONSERVATION DIVISION<br>Wichita, Kansas | Insurance     |
|          |                                          | Total         |

Time Set Packer(s) 12:05 A.M. Time Started Off Bottom 2:05 A.M. Maximum Temperature 118°  
 Initial Hydrostatic Pressure ..... (A) 1936 P.S.I. 72  
 Initial Flow Period ..... Minutes 30 (B) 66 P.S.I. to (C) 75 P.S.I.  
 Initial Closed In Period ..... Minutes 30 (D) 896 P.S.I. 86  
 Final Flow Period ..... Minutes 30 (E) 82 P.S.I. to (F) 88 P.S.I.  
 Final Closed In Period ..... Minutes 30 (G) 842 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1914 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for.

ORIGINAL



DIAMOND TESTING

P. O. Box 157  
HOISINGTON, KANSAS 67544  
(316) 653-7550

DRILL-STEM TEST TICKET

Company Black Diamond Oil Inc Lease & Well No. Babcock # 1

Contractor Emphasis Rig 7 Charge to Black Diamond

Elevation 2521 KB Formation MISS Effective Pay \_\_\_\_\_ Ft. Ticket No. 700

Date 9-30-90 Sec. 27 Twp. 15 S Range 26 W County GOVE State KANSAS

Test Approved By [Signature] Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 4422 ft. to 4442 ft. Total Depth 4442 ft.

Packer Depth 4417 ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 4422 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4410 ft. Recorder Number 13386 Cap. 3875 P.S.I.

Bottom Recorder Depth (Outside) 4439 ft. Recorder Number 13556 Cap. 4425 P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 45 Drill Collar Length 31 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 8.6 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.

Chlorides 5200 P.P.M. Drill Pipe Length 4366 ft. I.D. 3 1/2 in.

Jars: Make BOWEN Serial Number N/A Test Tool Length 25 ft. Tool Size 3 1/2 in.

Did Well Flow? NO Reversed Out NO Anchor Length 20 ft. Size 4 1/2 in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 X H in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Flow: Weak 1/4" slowly increasing to 2 3/4" @ end

2nd Flow: Weak surface blow slowly increasing to 2" @ end

Recovered 92' ft. of Top 30' Clean Oil

Recovered \_\_\_\_\_ ft. of BTM 62 SOS DM Less than 2% Oil

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Time Set Packer(s) 9:30 ~~A.M.~~ P.M. Time Started Off Bottom 1:15 ~~A.M.~~ P.M. Maximum Temperature 126°

Initial Hydrostatic Pressure ..... (A) 2168 2160 P.S.I. 32

Initial Flow Period ..... Minutes 45 (B) 29 P.S.I. to (C) 35 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1115 P.S.I. 52

Final Flow Period ..... Minutes 60 (E) 44 P.S.I. to (F) 55 P.S.I.

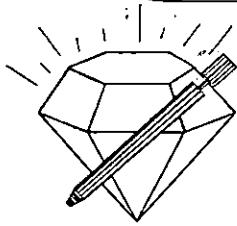
Final Closed In Period ..... Minutes 75 (G) 1115 P.S.I.

Final Hydrostatic Pressure ..... (H) 2135 2135 P.S.I.

IAN 30 1991

CONFIRMATION NUMBER  
Hoisington, Kansas

|               |
|---------------|
| Price Job     |
| Other Charges |
| Insurance     |
| Total         |



# DIAMOND TESTING

P. O. Box 157  
HOISINGTON, KANSAS 67544  
(316) 653-7550

## DRILL-STEM TEST TICKET

Company Black Diamond Oil INC Lease & Well No. Bublock  
 Contractor Emphasis Rig: 7 Charge to Black Diamond  
 Elevation 2501 KB Formation Foil Scott / Miss Effective Pay \_\_\_\_\_ Ft. Ticket No. 701  
 Date 10-1-90 Sec. 27 Twp. 15 S Range 16 W County GOV State KANSAS  
 Test Approved By [Signature] Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 4330 ft. to 4442 ft. Total Depth 4442 ft.  
 Packer Depth 4325 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 4330 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4318 ft. Recorder Number 13386 Cap. 3875 P.S.I.  
 Bottom Recorder Depth (Outside) 4439 ft. Recorder Number 13556 Cap. 4425 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 45 Drill Collar Length 31 ft. I.D. 2 1/4 in.  
 Weight 9.3 Water Loss 8.6 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 5200 P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number N/A Test Tool Length 25 ft. Tool Size 3 1/2 in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 112 ft. Size 4 1/2 in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Flow: Weak 1/4 slowly increasing to 2 3/4"  
 2nd Flow: N/A

Recovered 50 ft. of slightly oil cut drilling mud  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

|          |             |               |
|----------|-------------|---------------|
| Remarks: | OCT 30 1991 | Price Job     |
|          |             | Other Charges |
|          |             | Insurance     |
|          |             | Total         |

Time Set Packer(s) 5:42 A.M. Time Started Off Bottom 6:42 A.M. Maximum Temperature 126  
 Initial Hydrostatic Pressure ..... (A) 2146 P.S.I. 2160  
 Initial Flow Period ..... Minutes 30 (B) 77 P.S.I. to (C) 84 P.S.I.  
 Initial Closed In Period ..... Minutes 30 (D) 1037 P.S.I.  
 Final Flow Period ..... Minutes N/A (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
 Final Closed In Period ..... Minutes N/A (G) \_\_\_\_\_ P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2135 P.S.I. 2135

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Russell, Kansas  
793-5861, Great Bend, Kansas

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

# ALLIED CEMENTING CO., INC. No. 7093

Home Office P. O. Box 31

Russell, Kansas 67665

NEW

|                     |                 |                    |                           |                                                                                 |                                                                                                                                                                           |                     |                   |                |
|---------------------|-----------------|--------------------|---------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|----------------|
| Date                | 9-24-90         | Sec. 27            | Twp. 15.5                 | Range 26W                                                                       | Called Out 2:00 pm                                                                                                                                                        | On Location 4:30 pm | Job Start 6:10 PM | Finish 6:30 PM |
| Lease               | Babcock         | Well No. 1         | Location Ulica 4N1W1N1/2W |                                                                                 | County Gove                                                                                                                                                               | State KS            |                   |                |
| Contractor          | Emphasis Oil #7 |                    |                           |                                                                                 | Owner SAM C.                                                                                                                                                              |                     |                   |                |
| Type Job            | SURFACE         |                    |                           |                                                                                 | To Allied Cementing Co., Inc.<br>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. 254'          |                           | Charge To BLACK DIAMOND OIL INC.                                                |                                                                                                                                                                           |                     |                   |                |
| Csg.                | 8 5/8           | Depth 256'         |                           | Street 3004 Broadway Ave.                                                       |                                                                                                                                                                           |                     |                   |                |
| Tbg. Size           |                 | Depth              |                           | City Hays State KS 67601                                                        |                                                                                                                                                                           |                     |                   |                |
| Drill Pipe          |                 | Depth              |                           | The above was done to satisfaction and supervision of owner agent or contractor |                                                                                                                                                                           |                     |                   |                |
| Tool                |                 | Depth              |                           | Purchase Order No.                                                              |                                                                                                                                                                           |                     |                   |                |
| Cement Left in Csg. | 15'             | Shoe Joint         |                           | X Tom Alm                                                                       |                                                                                                                                                                           |                     |                   |                |
| Press Max.          |                 | Minimum            |                           | CEMENT                                                                          |                                                                                                                                                                           |                     |                   |                |
| Meas Line           | yes             | Displace 15.00 bbl |                           | Amount Ordered 160 sy 60/40 2% go 1 3% occ                                      |                                                                                                                                                                           |                     |                   |                |
| Perf.               |                 |                    |                           | Consisting of                                                                   |                                                                                                                                                                           |                     |                   |                |

## EQUIPMENT

|         |        |          |            |
|---------|--------|----------|------------|
| Pumptrk | No. 46 | Cementer | Kris       |
|         |        | Helper   | Johnny     |
| Pumptrk | No.    | Cementer |            |
|         |        | Helper   | Billy Jack |
| Bulktrk | 69     | Driver   |            |
|         |        | Driver   |            |

## DEPTH of Job

|            |              |        |
|------------|--------------|--------|
| Reference: | pump trk chg | 380.00 |
| 34         | Mileage      | 68.00  |
| 1          | 8 5/8 TWP    | 42.00  |
|            | Sub Total    |        |
|            | Tax          |        |
|            | Total        | 490.00 |

Remarks: Cement D.D. Circ

Allied Cementing Co. Inc.  
Kris Klitzke

|          |     |           |         |
|----------|-----|-----------|---------|
| Handling | 160 | 1.00      | 160.00  |
| Mileage  | 34  |           | 163.20  |
|          |     | Sub Total |         |
|          |     | Total     | 1071.20 |

Stamp: JAN 30 1991  
TOTAL \$ 1561.20  
DISC - 312.24

Floating Equipment  
\$ 1248.96  
Thank you

ORIGINAL

3-483-2627, Russell, Kansas  
e 316-793-5861, Great Bend, Kansas

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

# ALLIED CEMENTING CO., INC. NO 7104

Home Office P. O. Box 31 Russell, Kansas 67665

*New*

|                     |                         |            |               |          |                              |                                                                                                                                                                           |               |            |         |             |         |           |          |        |          |
|---------------------|-------------------------|------------|---------------|----------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|---------|-------------|---------|-----------|----------|--------|----------|
| Date                | 10-1-90                 | Sec.       | 27            | Twp.     | 15                           | Range                                                                                                                                                                     | 26            | Called Out | 2:00 PM | On Location | 4:00 PM | Job Start | 10:45 PM | Finish | 11:45 PM |
| Lease               | Balcock                 | Well No.   | 1             | Location | Utica 4N, 1W, 1N, 1/2 W into |                                                                                                                                                                           |               | County     | Love    | State       | Ks.     |           |          |        |          |
| Contractor          | Emphasis Oil Operations |            |               |          |                              | Owner                                                                                                                                                                     | Black Diamond |            |         |             |         |           |          |        |          |
| Type Job            | Longstring              |            |               |          |                              | To Allied Cementing Co., Inc.<br>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           | 7 7/8                   | T.D.       | 4442'         |          |                              |                                                                                                                                                                           |               |            |         |             |         |           |          |        |          |
| Csg.                | 4 1/2                   | Depth      | 4442'         |          |                              |                                                                                                                                                                           |               |            |         |             |         |           |          |        |          |
| Tbg. Size           |                         | Depth      |               |          |                              |                                                                                                                                                                           |               |            |         |             |         |           |          |        |          |
| Drill Pipe          |                         | Depth      |               |          |                              |                                                                                                                                                                           |               |            |         |             |         |           |          |        |          |
| Tool                |                         | Depth      |               |          |                              |                                                                                                                                                                           |               |            |         |             |         |           |          |        |          |
| Cement Left in Csg. |                         | Shoe Joint | 33.14         |          |                              |                                                                                                                                                                           |               |            |         |             |         |           |          |        |          |
| Press Max.          |                         | Minimum    |               |          |                              |                                                                                                                                                                           |               |            |         |             |         |           |          |        |          |
| Meas Line           | yes                     | Displace   | 70.1<br>407.5 |          |                              |                                                                                                                                                                           |               |            |         |             |         |           |          |        |          |
| Perf.               |                         |            |               |          |                              |                                                                                                                                                                           |               |            |         |             |         |           |          |        |          |

### EQUIPMENT

|                 |          |                      |
|-----------------|----------|----------------------|
| No.             | Cementor |                      |
| Pumptrk #158    | Helper   |                      |
| No.             | Cementor | JAYSON DREILING      |
| Pumptrk         | Helper   | BILL SCHMITT         |
| #212            | Driver   | GLENN C. JAN 30 1991 |
| Bulktrk Russell | Driver   |                      |

|              |                   |        |
|--------------|-------------------|--------|
| DEPTH of Job | Reference:        |        |
|              | Pumptrk charge    | 880.00 |
|              | 34 Mileage        | 68.00  |
|              | 1 1/2 rubber plug | 33.00  |
|              | Sub Total         |        |
|              | Tax               |        |
|              | Total             | 981.00 |

Remarks: Float did hold.

15 ox in Bathole, 10 ox in mousehole.

Thank you  
Allied Cementing: Jayson Dreiling

|                    |                           |
|--------------------|---------------------------|
| CEMENT             |                           |
| Amount Ordered     | 200 AX ASC, 10 BBL WFR 2  |
| Consisting of      |                           |
| Common             | 200 ASC 7.25 1450.00      |
| Poz. Mix           |                           |
| Gel.               |                           |
| Chloride           |                           |
| Quickset           |                           |
|                    | WFR II 420 lbs .50 210.00 |
|                    | Sales Tax                 |
| Handling           | 200 1.00 200.00           |
| Mileage            | 34 204.00                 |
| TOTAL              | \$ 5487.00 Sub Total      |
| D'sc               | - 1097.40                 |
|                    | \$ 4389.60 Total 2064.00  |
| Floating Equipment |                           |
| Guide shoe         | - 109.00                  |
| Insert             | - 169.00                  |
| 6-Centralizers     | - 258.00                  |
| 2-Baskets          | - 226.00                  |
| 1-Port collar      | - Arrow - 1680.00         |
|                    | \$ 2442.00                |

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

ORIGINAL

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

**ALLIED CEMENTING CO., INC.**

No. 6061

Home Office P. O. Box 31 Russell, Kansas 67665

| Date    | Sec. | Twp. | Range | Called Out | On Location | Job Start  | Finish    |
|---------|------|------|-------|------------|-------------|------------|-----------|
| 1-28-91 |      |      |       | 6:00 A.M.  | 10:00 A.M.  | 12:00 noon | 1:30 P.M. |

| Lease   | Well No. | Location                 | County | State |
|---------|----------|--------------------------|--------|-------|
| Labcock | #1       | Union Law 47 1/2 1/2 1/2 |        | Ks.   |

|                     |                     |
|---------------------|---------------------|
| Contractor          | Phisio Well Service |
| Type Job            | Port Collar (Open)  |
| Hole Size           | T.D.                |
| Csg.                | 4 1/2               |
| Tbg. Size           | 2"                  |
| Drill Pipe          |                     |
| Tool                | 4 1/2" Collar       |
| Cement Left in Csg. |                     |
| Press Max.          | 1500#               |
| Meas Line           | Displace 7.56 bbl/s |

Owner Sumner  
 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.  
 Charge To Black Diamond  
 Street \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_  
 The above was done to satisfaction and supervision of owner agent or contractor

Perf. B.P. 3900

| EQUIPMENT    |          |                     |
|--------------|----------|---------------------|
| No.          | Cementer | <u>Steve Kupper</u> |
| Pumptrk #155 | Helper   | <u>Mark</u>         |
| No.          | Cementer | <u>Harvey</u>       |
| Pumptrk #    | Helper   |                     |
|              | Driver   | <u>Mark</u>         |
| Bulktrk #211 | Driver   | <u>Chad</u>         |

Purchase Order No. \_\_\_\_\_  
 X [Signature]

| CEMENT         |                                                  |
|----------------|--------------------------------------------------|
| Amount Ordered | <u>450 1/2 3/5 8 1/2 gel 1/4 # 46 sand 2 1/2</u> |
| Consisting of  | <u>used 254 sks 5 sk gel 2 1/2</u>               |
| Common         |                                                  |
| Poz. Mix       |                                                  |
| Gel.           |                                                  |
| Chloride       |                                                  |
| Quickset       |                                                  |

| DEPTH of Job |                   |
|--------------|-------------------|
| Reference    | <u>Yump Truck</u> |
| Mileage      |                   |
| Sub Total    |                   |
| Tax          |                   |
| Total        |                   |

|                            |           |
|----------------------------|-----------|
| STATE CORPORATE COMMISSION |           |
| JAN 30 1991                | Sales Tax |
| Handling                   |           |
| CONSERVATION MILEAGE       |           |
| Mileage                    |           |
| Sub Total                  |           |
| Total                      |           |
| Floating Equipment         |           |

Remarks: Lead Hole Test Plus @ 1500#  
5 sk gel - then follow with 254 sk Circulite  
to surface displace csm to 1800' shut log + test hold 1100#  
4 in 10 Its and work and tubing Mark says  
Allied Cementing by Steve Kupper Cement Did Circulate