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

Operator: License # 4197
Name: DUNNE OIL CO.
Address 100 S. MAIN ST.

SUITE 410
City/State/Zip WICHITA, KS 67202
Purchaser: ____________________________
Operator Contact Person: STEVE DUNNE
Phone (316) 267-3448
Contractor: Name: Murfin Drilling Company, Inc.
License: 30606

Wellsite Geologist: PAT DEENIHAN

Designate Type of completion
X New Well __ Re-Entry __ Workover

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

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

Operator: ____________________________
Well Name: __________________________
Comp. Date _____ Old Total Depth ______
X Deepening __ Re-perf. __ Conv. to Inj/SWD
Plug Back __ PBTI
Commingled __ Docket No. __________
Dual Completion __ Docket No. _______
Other (SWD or Inj?) __ Docket No. _______

06/12/96 06/19/96 06/19/96
Spud Date Date Reached TD Completion Date

API NO. 15- 065-227710000
County GRAHAM
L/25/2 - NWSec. 31 Twp. 7S Rge. 24 E W
2970 Feet from S (circle one) Line of Section
3960 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner: NE, NW, SW (circle one)
Lease Name CUMMINGS __ Well # 4-31
Field Name Dripping Springs NE
Producing Formation KANSAS CITY
Elevation: Ground 2465' KB 2470
Total Depth 4020' PBTI
Amount of Surface Pipe Set and Cemented at 240 Feet
Multiple Stage Cementing Collar Used? X Yes __ No
If yes, show depth set 2220 Feet
If Alternate II completion, cement circulated from 2220
feet depth to Surface w/ 400 sx cmt.

Drilling Fluid Management Plan ALT 2 GH 1-7-97
(Data must be collected from the Reserve Pit)
Chloride content 550 ppm Fluid volume 1,285 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite:

Operator Name ________________________
Lease Name ____________ License No. ______
Quarter Sec. Twp. S Rng. E/W
County ________ Docket No. __________

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature __________________________
Title __________________________ Date 7/16/96
Subscribed and sworn to before me this 16 day of 1996
Notary Public ______________________
Date Commission Expires 2-7-98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
KCC SWD/Rep NGPA Plug Other
Specify

JUL 17 1996
Form ACO-1 (7-91)
Operator name: DUNNE OIL CO.

Lease Name: CUMMINGS

Well #: 4-31

County: GRAHAM

Sec.: 31  Twp.: 7S  Rge.: 24

□ East  □ West

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
(Attach Additional Sheets.)

☑ Yes  ☐ No

LOG  Formation (Top), Depth and Datums

Sample

Name  Top  Datum

Anhydrite  21 6  +304

Heebner  3718  -1248

Lansing  3753  -1283

BKC  3968  -1498

List All E.Logs Run:

compensated  Density, Neutron,

Dual Induction

RADIATION GUARD

CASING RECORD  ☑ New  ☐ Used

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

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing Set (In O.D.)</th>
<th>Weight Lbs./Ft.</th>
<th>Setting Depth</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production</td>
<td>7 3/8&quot;</td>
<td>5 1/2&quot;</td>
<td>14</td>
<td>4019&quot;</td>
<td>AFC</td>
<td>125</td>
<td></td>
</tr>
</tbody>
</table>

Surface 12 3/4"  8 3/8"  20  249  60/40 Bbl  175  3 1/2 gel, 2% ec

ADDITIONAL CEMENTING/SQUEEZE RECORD

| Purpose:  
_ Perforate  
_ Protect Csg  
_ Plug Back TD  
_ Plug Off Zone |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth Top/Btm</td>
</tr>
<tr>
<td>----------------</td>
</tr>
</tbody>
</table>

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

3  3919-3922  250 gals Mud Acid

3  3881-3886  250 gals Mud Acid

TUBING RECORD  Size  Set At  Packer At  Liner Run  ☑ Yes  ☐ No

Date of First, Resumed Production, SWD or Inj.  7/03/94

Producing Method  ☑ Flowing  ☐ Pumping  ☐ Gas Lift  ☐ Other

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.)

☐ Open Hole  ☑ Perf.  ☐ Dually Comp.  ☐ Commingled

☐ Other (Specify)  ☐

METHOD OF COMPLETION  ☑ Production Interval

RECEIVED  ☐  PERIODICALLY  ☑  AT IRRIG.  ☐  OTHER  ☐  PERIODICALLY  ☐  AT IRRIG.  ☐  OTHER  ☐

JUL 17 1996

KANSAS CORPORATION COMMISSION

CONSERVATION DIVISION
WICHITA, KS
DSTs

#4-31 CUMMINGS
S/2 S/2 NW
Sec. 31-7S-24W
GRAHAM COUNTY, KS

OPERATOR: DUNNE OIL CO.
CONTRACTOR: MURFIN DRILLING CO.
WELLSITE GEOLOGIST: PAT DEENIHAN

API#: 15-065-22,771

DST #1:
3766-3788; Lansing B Zone; 30-45-30-60; BOB in 3 Minutes, 2.5” Blowback 1st Shut in.
RECOVERED: 305’ GIP, 30’ Oil, 152’ OCMW (20% Oil, 70%W, 10%M), 1038’ GSYSW (2%G, 98%W).
SIPS: 1254-1254, IFPs 125-366, FFPs 502-533. CHL 78,000 PPM.

DST #2:
3814-3829; Lansing F Zone; 30-45-30-60;
RECOVERED: 240’ GIP, 190’CGO, 61’ OCWM (40% Oil, 20%W, 40%M), 61’ M&OCW (30%O, 60%W, 10%W).
SIPS: 1181-1181, IFPs 83-83, FFPs 156-156.

DST #3:
3850-3885; Lansing H Zone; 30-45-60-60;
RECOVERED: 2820’ GIP, 180’CGO, 42 Gravity, 6’ GOCM (25% O, 25% G, 50%M), 60’ G&OCWM (20%O, 20%G, 45%M, 15%W).
SIPS: 261-261, IFPs 73-73, FFPs 104-104. CHL 16,000 PPM

DST #4:
3884-3922; Lansing J Zone; 30-45-60-60;
RECOVERED: 300’ GIP, 10’CGO, 60’ MCO (55% Oil, 45%M).
SIPS: 177-253, IFPs 52-52, FFPs 73-73. NOTE: 3/4” Blow first Open, 5” Blow second Open.

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 17 1996
CONSERVATION DIVISION
WICHITA, KS
**ALLIED CEMENTING CO., INC.**

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

<table>
<thead>
<tr>
<th>DATE</th>
<th>SEC.</th>
<th>TWP.</th>
<th>RANGE</th>
<th>CALLED OUT</th>
<th>ON LOCATION</th>
<th>JOB START</th>
<th>JOB FINISH</th>
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<tbody>
<tr>
<td>9-19-94</td>
<td>4</td>
<td>31</td>
<td>0.3</td>
<td>9:00pm</td>
<td>31453</td>
<td>7:00pm</td>
<td>7:40pm</td>
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</table>

**LEASE:**

- OLD OR NEW (Circle one)

**CONTRACTOR:** Muslin

**TYPE OF JOB:** Production String

**HOLE SIZE:** 7 1/8 T.D. 40.28

**CASING SIZE:** 5 1/2 DEPTH 46.38

**TUBING SIZE:** DEPTH

**DRILL PIPE:** DEPTH

**TOOL:** Sand control DEPTH 22.15

**PRESS MAX.:** MINIMUM

**MEAS. LINE:** SHOE JOINT 15.10

**CEMENT LEFT IN CSG.:** Displaced 97.6 lbs

**EQUIPMENT:**

- **PUMP TRUCK # 153**
  - CEMENTER Dave
  - HELPER Mark

- **BULK TRUCK # 713**
  - DRIVER Brent

**REMARKS:**

- **Shaw Call"**

**CHARGE TO:**

- **Street:** 100 S Main St # 410
- **City:** Wichita
- **State:** KS
- **Zip:** 67207

**RECEIVED:**

- **American Corporation Commission**
- **Jul 17 1996**
- **Conservation Division**
- **Wichita KS**

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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:**

John Smith
**ALLIED CEMENTING CO., INC.**

**REMIT TO:** PO. BOX 31
RUSSELL, KANSAS 67665

**SERVICE POINT:**

<table>
<thead>
<tr>
<th>DATE</th>
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<th>TWP.</th>
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<td>6-12-74</td>
<td>31</td>
<td>7</td>
<td>24</td>
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</table>

**LEASE** Cuming
**WELL #** H-31
**LOCATION** Marland 31W 1/2E 1/4S 5/8E

**COUNTY** Graham
**STATE** Kan

**CONTRACTOR** Martin
**OWNER**

**CEMENT**

**AMOUNT ORDERED** 175 4%/ 3%

**COMMON** 155 @ .62 / 40.50
**POZMIX** 70 @ .315 / 22.50
**GEL** 3 @ .950 / 2.85
**CHLORIDE** 5 @ .2800 / 1.40

**EQUIPMENT**

**PUMP TRUCK** CEMENTER M.S. Jollie
# 377 HELPER W.B. II
**BULK TRUCK** # 213 DRIVER Darin
**BULK TRUCK** DRIVER

**REMARKS:**

Cement did air in cooler.

**CHARGE TO:** Dunn Co.

**STREET** 100 S Main, St. #410
**CITY** Wichita
**STATE** Kan
**ZIP** 67202

**SERVICE**

**DEPTH OF JOB**
**PUMP TRUCK CHARGE** 445.00
**EXTRA FOOTAGE** @
**MILEAGE** 28 @ 285 / 79.80
**PLUG** @

**TOTAL** 683.80

**FLOAT EQUIPMENT**

**TAX**
**TOTAL CHARGE**
**DISCOUNT** IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.

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**SIGNATURE**

Benson Towe
**ALLIED CEMENTING CO., INC.**

**REMIT TO:** PO. BOX 31  
**RUSSELL, KANSAS 67665**

**ORIGINAL**

<table>
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<td>6-29-96</td>
<td>31</td>
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<td>24</td>
<td>10145</td>
<td>4-31</td>
<td>8-14E</td>
<td>12-15E</td>
</tr>
</tbody>
</table>

**LEASE:** Coonwell 4-31  
**LOCATION:** Neosho-3H-14E

**CONTRACTOR:** Myfin Delco  
**OWNER:** Same Cement

**AMOUNT ORDERED:** 450 SKS 60% GEL (Used 400 SKS)

**TYPE OF JOB:** Port Collar  
**EQUIPMENT:**
- **PUMP TRUCK #1:** 102 CEMENTER  
- **HELM HELPERS:** Max  
- **BULK TRUCK #3:** 305 DRIVER  
- **MILEAGE:** 422.40

**REMARKS:**
- **Depth of Job:** 1000 psi
- **Plug:** 60 - miles
- **EXTRA FOOTAGE:** 20
- **TOTAL:** 174.30

**HANDLING:** 450 SKS

**CHARGE TO:** Duanes Oil Co.

**SERVICE:**
- ** fuel per mile:**
- **TOTAL:** 115.00

**FLOAT EQUIPMENT**

**SIGNATURE**

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**SIGNATURE**