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

Operator: License # 30606
Name: Murfin Drilling Co., Inc.
Address 250 N. Water, Suite 300
City/State/Zip Wichita, KS 67202

Purchaser:
Operator Contact Person: Larry M. Jack
Phone (316) 267-3241
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: Roger Welty

Designate Type of completion [X] New Well [ ] Re-Entry [ ] Workover
[ ] 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

Deepening [ ] Re-perf. [ ] Conv. to Inj/SWD
Plug Back [ ] PBTD
Commingled [ ] Docket No.
Dual Completion [ ] Docket No.
Other (SWD or Inj?) [ ] Docket No.

10/3/99 [ ] 10/14/99 [ ] 10/26/99
Spud Date [ ] Date Reached TD [ ] Completion Date

API NO. 15-023-20360-0000
County Cheyenne
- NW - NE Sec. 32 Twp. 2S Rge 41W X W
330 Feet from SW(c) Line of Section
2780 Feet from ENE 0(c) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name William Unit Well # 2-32
Field Name Unknown
Producing Formation LKC
Elevation: Ground 3674 KB 3679
Total Depth 5020 PBTD 4970
Amount of Surface Pipe Set and Cemented at 370', 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/s sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content ppm Fluid volume 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
Docket No.

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market, Room 2078, 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 shall 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 Larry M. Jack
Title Larry M. Jack, Production Manager
Date 12/6/99

Subscribed and sworn to before me this 19 99.
Rosie Klaus
Notary Public

Date Commission Expires 3/1/03

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

Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)

RELEASED
DEC 07 2000
12-7-2000
FROM CONFIDENTIAL

Form ACO-1 (7-91)
Operator name: Murfin Drilling Co., Inc.  Lease Name: WILLIAM UNIT  Well #: 2-32  
Sec. 32  Twp. 25 Rge. 41  
County: Cheyenne

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  

 Samples Sent to Geological Survey  
☐ Yes  ☐ No  

 Cores Taken  
☐ Yes  ☐ No  

 Electric Log Run  
(Submit Copy.)  
☐ Yes  ☐ No  

 SEE ATTACHED  
List all E.Logs.  
Dual Induction log, Dual Compensated Porosity log.  
Borehole Compensated Sonic Log.

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**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>Surface</td>
<td>12 1/4&quot;</td>
<td>8 5/8&quot;</td>
<td>24#</td>
<td>370'</td>
<td>60/40 Poz</td>
<td>240</td>
<td>3% cc, 2% gel</td>
</tr>
<tr>
<td>Production</td>
<td>7 7/8&quot;</td>
<td>4 1/2&quot;</td>
<td>10.5#</td>
<td>5012'</td>
<td>250</td>
<td>ASC, 10% salt</td>
<td></td>
</tr>
</tbody>
</table>

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**ADDITIONAL CEMENTING/SQUEEZE RECORD**

| Purpose:  
Perforate  
Protect Ceg  
Plug Back TD  
Plug Off Zone | Depth Top/Btm | Type of Cement | # Sacks Used | Type and Percent Additives |
|--------------|---------------|----------------|--------------|---------------------------|

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**PERFORATION RECORD - Bridge Plugs Set/Type**

Specify footage of each interval perforated.

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>PERFORATION RECORD - Bridge Plugs Set/Type</th>
<th>Acid, Fracture, Shot, Cement Squeeze Record</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Specify footage of each interval perforated</td>
<td>Amount and Kind of Material Used</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4921-24</td>
<td>1500gals HCL Acid</td>
<td>4921-24</td>
</tr>
<tr>
<td>4</td>
<td>4802-05</td>
<td>1000gals HCL Acid</td>
<td>4802-05</td>
</tr>
<tr>
<td>4</td>
<td>4749-51</td>
<td>500gals HCL Acid</td>
<td>4749-51</td>
</tr>
<tr>
<td>4</td>
<td>4608-14</td>
<td>2000gals HCL Acid</td>
<td></td>
</tr>
</tbody>
</table>

**TUBING RECORD**

Size  Set At  Packer At  Liner

7 7/8"  4909'  

☐ Yes  ☐ No

**Date of First, Resumed Production, SWD or Inj.**

Producing Method

☐ Flowing  ☐ Pumping  ☐ Gas Lift  ☐ Other

Estimated Production Per 24 Hours

Oil  80.64  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

as above
DST #1 (4480-4555) LANSING A ZONE 30-45-60-90, IF: wk blow ½” throughout; FF: wk surface blow throughout; Rec. 130’ M, no show, HY: 2223-2215; SIP: 1414-1395; FP: 23/50, 55/98; BHT 139°.

DST #2 (4566-4620) LANSING D ZONE 30-45-45-60, IF: wk building to strong off the bottom of the bucket in 23 min. FF: wk building to fair off the bottom of the bucket in 27 min. Rec. 290’ of GIP, 430’ of total fluid, 390’ Oil (27° gravity @ 60° F API), 40’ of SLG&OCM, HY: 2273-2266, SIP:1261-1243, FP:22/99, 112/196, BHT: 142° F.

DST #3 (4626-4675) LANSING G ZONE 30-45-30-45, IF: v wk blow built to ½”; FF: no blow; Rec. 5’ m, w/few spks of oil, HY: 2396-2312, SIP: 51-41, FP: 25/28, 27/28.

DST #4 (4711-4746) LANSING J ZONE 30-45-30-45, IF: wk ½” blow; FF: no blow; Rec. 5’ m, no show; HY: 2347-2332, SIP: 61-41, FP: 19/22, 23/41. BHT 131° F.
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

Printed Name
<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>
</tr>
</thead>
<tbody>
<tr>
<td>10-13-79</td>
<td>32</td>
<td>23</td>
<td>41</td>
<td></td>
<td></td>
<td>6:00 AM</td>
<td>11:00 AM</td>
</tr>
</tbody>
</table>

**LEASE**  #2 - 32

**LOCATION**  St. Francis 2V-SN-3W-4S

**COUNTY**  Chase

**STATE**  Kan

**OWNER**  Same

**Cement**

<table>
<thead>
<tr>
<th>AMOUNT ORDERED</th>
<th>250 SK 4SC 10% Silt</th>
<th>5% P-391, 15% CD-31, 500 gal UPR 2, 30 BBL KCC Water</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cement</strong></td>
<td>2500#</td>
<td>2762#</td>
</tr>
</tbody>
</table>

**POZMIX**

|                | 90#                  | 2290#                                               |

**GEL**

|                | 414#                 | 512#                                               |

**CHLORIDE**

|                | 118#                 | 262#                                               |

**MILEAGE**

|                | 48# per skm          | 810#                                               |

**TOTAL**

|                | 7184#                | 4918#                                              |

**Remarks:**

Circ casing for 1-1/2.

Pumped 500 gal UPR 2

20 BBL KCC water

mixed 15 SKS in all.

mixed 24 SKS down 4-1/2

clearing line, Released Plug, Pumped

78 BBL, Handled Plug, Pumped

Released, #1 Float Hold

**From Confidential**

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 Doe

PRINTED NAME