

SIDE ONE

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

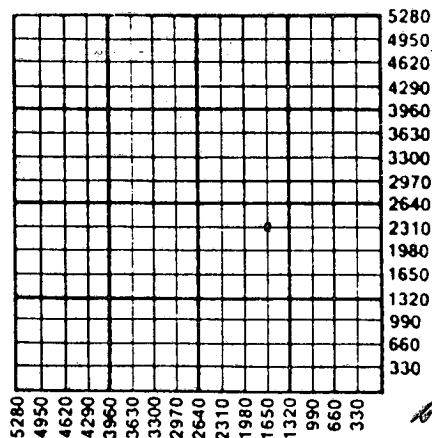
Operator: License # 8914
Name: H & C Oil Operating, Inc.
Address P. O. Box 86

City/State/Zip Plainville, KS 67663
Purchaser: _____
Operator Contact Person: Charles Ramsey
Phone (913) -434-7434
Contractor: Name: Emphasis Oil Operations
License: 8241
Wellsite Geologist: Jim Reaves

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
10/25/89 10/31/89 10-31-89 *KCC KG*
Spud Date Date Reached TD Completion Date

API NO. 15-101-21,529-00-00
County Lane Lane
NE NW SE Sec. 31 Twp. 16S Rge. 29 East West
2310 Ft. North from Southeast Corner of Section
1650 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Jennison Well # B-4
Field Name _____
Producing Formation _____
Elevation: Ground 2827' KB 2832'
Total Depth 4637' PBTD _____

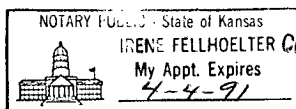


Amount of Surface Pipe Set and Cemented at 338' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

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 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 Charles R. Ramsey
Title Vice-President Date 11-4-89
Subscribed and sworn to before me this 3rd day of November, 19 89.
Notary Public Irene Fellhoelter
Date Commission Expires _____



RECEIVED
STATE CORPORATION COMMISSION
NOV 9 1989
11-09-1989
CONSERVATION DIVISION
Wichita, Kansas

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

P1

SIDE TWO

Operator Name H & C Oil Operating, Inc. Lease Name Jennison Well # B-4
 Sec. 31 Twp. 16S Rge. 29 East County Lane
 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.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <p style="text-align: center;">Formation Description</p> <p><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:50%;">Name</th> <th style="width:20%;">Top</th> <th style="width:30%;">Bottom</th> </tr> </thead> <tbody> <tr> <td>Topeka</td> <td>3645</td> <td>Ft. Scott 4492</td> </tr> <tr> <td>Heebner</td> <td>3928</td> <td>Cherokee 4516</td> </tr> <tr> <td>Toronto</td> <td>3948</td> <td>Johnson 4560</td> </tr> <tr> <td>Lansing</td> <td>3966 4311</td> <td></td> </tr> <tr> <td>Muncie Creek</td> <td>4134</td> <td></td> </tr> <tr> <td>Stark</td> <td>4231</td> <td></td> </tr> <tr> <td>Hushpucknie</td> <td>4264</td> <td></td> </tr> <tr> <td>Marmaton</td> <td>4344</td> <td></td> </tr> <tr> <td>Pawnee</td> <td>4436</td> <td></td> </tr> </tbody> </table> | Name | Top | Bottom | Topeka | 3645 | Ft. Scott 4492 | Heebner | 3928 | Cherokee 4516 | Toronto | 3948 | Johnson 4560 | Lansing | 3966 4311 | | Muncie Creek | 4134 | | Stark | 4231 | | Hushpucknie | 4264 | | Marmaton | 4344 | | Pawnee | 4436 | |
|---|--|----------------|-----|--------|--------|------|----------------|---------|------|---------------|---------|------|--------------|---------|-----------|--|--------------|------|--|-------|------|--|-------------|------|--|----------|------|--|--------|------|--|
| Name | Top | Bottom | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Topeka | 3645 | Ft. Scott 4492 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heebner | 3928 | Cherokee 4516 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Toronto | 3948 | Johnson 4560 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lansing | 3966 4311 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Muncie Creek | 4134 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stark | 4231 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hushpucknie | 4264 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marmaton | 4344 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pawnee | 4436 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| CASING RECORD <input 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" | 20# | 338 | 60/40 Posmix | 175 | 3%CC 2% Gel |
| PERFORATION RECORD | | | | Acid, Fracture, Shot, Cement Squeeze Record | | | |
| Shots Per Foot | Specify Footage of Each Interval Perforated | | | (Amount and Kind of Material Used) Depth | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| TUBING RECORD | | | | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| | Size | Set At | Packer At | | | | |
| 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 _____

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

15-101-21529-00-00

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

ALLIED CEMENTING CO., INC. No. 7411

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

New

| | | | | | | | | | | | | | | | |
|-------|----------|----------|-----|----------|----------------|-------|----|------------|---------|-------------|----|-----------|--|--------|---------|
| Date | 10-28-89 | Sec. | 31 | Twp. | 16 | Range | 29 | Called Out | | On Location | | Job Start | | Finish | 6:15 PM |
| Lease | JENNISON | Well No. | B-4 | Location | Neely S.E. 1/4 | | | County | Lincoln | State | Ks | | | | |

| | | | |
|---------------------|---------------|------------|-----|
| Contractor | Enokasis Drig | Owner | |
| Type Job | Surface | | |
| Hole Size | 12 1/4 | T.D. | 340 |
| Csg. | 28 | Depth | 338 |
| Tbg. Size | | Depth | |
| Drill Pipe | | Depth | |
| Tool | | Depth | |
| Cement Left in Csg. | 10-15 | Shoe Joint | |
| Press Max. | | Minimum | |
| Meas Line | | Displace | |

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 *H+C Oil*

Street

City

State

The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No.

X W W KENNISON

Perf.

EQUIPMENT

| | | |
|-------------|----------|--------------|
| No. | Cementor | |
| Pumptrk 153 | Helper | <i>Dave</i> |
| No. | Cementor | |
| Pumptrk | Helper | |
| 160 | Driver | <i>Steve</i> |
| Bulktrk | Driver | |

CEMENT

Amount Ordered *1500 sacks 20 gal*

Consisting of

| | |
|----------|--|
| Common | |
| Poz. Mix | |
| Gel. | |
| Chloride | |
| Quickset | |

Sales Tax

DEPTH of Job

| | | |
|-----------|----------------------|--|
| Reference | <i>Dunn. Hk. dy</i> | |
| | <i>1700 ft</i> | |
| | <i>Jennison Drig</i> | |
| | Sub Total | |
| | Tax | |
| | Total | |

Handling

Mileage

Sub Total

Total

Floating Equipment

Remarks: *Cement Civ*

STATE CORPORATION COMMISSION
 RECEIVED
 NOV 9 1989
 CONSERVATION DIVISION
 Wichita, Kansas

ALLIED CEMENTING CO., INC.

No. 6707

Home Office P. O. Box 31

Russell, Kansas 67665

News

| | | | | | | | | | | | | | | | |
|---------------------|--------------------|----------|-----|-------|----|----------|-------------------------|------------|---------|-------------|-------------|-----------|---------|---------------|----------|
| Date | 10.31.89 | Sec. | 31 | Twsp. | 16 | Range | 29 | Called Out | 4:30 AM | On Location | 7:15 AM | Job Start | 8:35 AM | Finish | 10:30 AM |
| Lease | <i>Jennison</i> | Well No. | B-4 | | | Location | <i>Healy 2 E N side</i> | | | County | <i>Lane</i> | | State | <i>Kansas</i> | |
| Contractor | <i>Emphasis</i> | | | | | | | | | | | | | | |
| Type Job | <i>Rotary Plug</i> | | | | | | | | | | | | | | |
| Hole Size | <i>7 7/8</i> | | | | | | | | | | | | | | |
| Csc. | | | | | | | | | | | | | | | |
| Tbg. Size | | | | | | | | | | | | | | | |
| Drill Pipe | <i>4 1/2 XH</i> | | | | | | | | | | | | | | |
| Tool | | | | | | | | | | | | | | | |
| Cement Left in Csg. | | | | | | | | | | | | | | | |
| Press Max. | | | | | | | | | | | | | | | |
| Meas Line | | | | | | | | | | | | | | | |
| Perf. | | | | | | | | | | | | | | | |

RECEIVED
 STATE CORPORATION COMMISSION
 T. D. # 4637
 NOV 9 1989
 CONSERVATION DIVISION
 Wichita, Kansas

Owner *H+C*

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 *H+C Oil Operations Inc.*
 Street *Box 86*
 City *Plainville* State *Ks. 67663*

The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No. *Thomas Slim*

CEMENT

Amount Ordered *205 60/40 60% gel*

Consisting of

| | | | |
|----------|------------|-------------|---------------|
| Common | <i>123</i> | <i>5.00</i> | <i>615.00</i> |
| Poz. Mix | <i>82</i> | <i>2.25</i> | <i>184.50</i> |
| Gel. | <i>12</i> | <i>6.75</i> | <i>81.00</i> |
| Chloride | | | |
| Quickset | | | |

Handling *205* *90* *184.50*

Mileage *45* *276.75*

Sub Total

Total *1341.75*

Floating Equipment

TOTAL \$ *1856.75*

DISC *371.35*

\$ *1485.40*

EQUIPMENT

News

| | | |
|--------------------|----------|--------------|
| No. | Cementer | |
| Pumptrk <i>46</i> | Helper | |
| No. | Cementer | <i>J.D.</i> |
| Pumptrk | Helper | <i>GARY</i> |
| | Driver | <i>BRIAN</i> |
| Bulktrk <i>199</i> | Driver | |

DEPTH of Job

| | | |
|------------|--------------------------|---------------|
| Reference: | <i>Pump trk charge</i> | <i>450.00</i> |
| | <i>Mileage</i> | <i>45.00</i> |
| <i>1</i> | <i>8 5/8 wooden plug</i> | <i>20.00</i> |
| | Sub Total | |
| | Tax | |
| | Total | <i>515.00</i> |

Remarks:

2240' - 50 px
1400' - 80 px
370' - 40 px
40' - 10 px
10px Mousehole, 15px Pothole.

Thank you