KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

# WELL COMPLETION FORM
## WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED
JUN 12 2002
KCC WICHITA

Operator: License # 5135
Name: JOHN O. FARMER, INC.
Address: P.O. Box 352
City/State/Zip: Russell, KS 67665
Purchaser: NCRA
Operator Contact Person: John O. Farmer, III
Phone: ( 785 ) 483-3144
Contractor: Name: Discovery Drilling Co., Inc.
License: 31548
Wellsite Geologist: Randall Kilian

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:
Original Comp. Date: ____ Original Total Depth:

____ Deepening ____ Re-perf. ____ Conv. to Enhr./SWD

____ Plug Back ____ Plug Back Total Depth

____ Commingled Docket No.

____ Dual Completion Docket No.

____ Other (SWD or Enhr.?) Docket No.

| 3/6/02 | 3/13/02 | 3/28/02 |
|---|---|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 195-22,219-0000
County: Trego
App.
NE - NE - SW - SE Sec. 35 Twp. 12 S. R. 21w ☐ East ☒ West
1200 feet from (S) / ■ (circle one) Line of Section
1510 feet from (E) / ■ (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Duncan Well #: 1
Field Name: Ellis
Producing Formation: Arbuckle
Elevation: Ground: 2207' Kelly Bushing: 2215'
Total Depth: 3940 Plug Back Total Depth: 3909'
Amount of Surface Pipe Set and Cemented at 221.70 Feet
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No
If yes, show depth set 1588 Feet
If Alternate II completion, cement circulated from 1588
feet depth to Surface w/ 400 sx cmt.

**Drilling Fluid Management Plan** Alt II EH 6-21-02
*(Data must be collected from the Reserve Pit)*
Chloride content 16,000 ppm Fluid volume 320 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter ____ Sec. ____ Twp. ____ S. R. ____ ☐ East ☐ West
County: 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 of 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: John O. Farmer III
John O. Farmer III
Title: President Date: 6-11-02

Subscribed and sworn to before me this 11th day of June,
~~19~~ 2002.
Notary Public: Margaret A. Schulte
Date Commission Expires:

**KCC Office Use ONLY**

✓ CO Letter of Confidentiality Attached
If Denied, Yes ☐ Date:
✓ Wireline Log Received
✓ Geologist Report Received
____ UIC Distribution

Operator Name: JOHN O. FARMER, I Lease Name: Duncan Well #: 1

Sec. 35 Twp. 12 S. R. 21W ☐ East ☒ West County: Trego

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☒ Yes ☐ No
*(Attach Additional Sheets)*

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No
*(Submit Copy)*

List All E. Logs Run:
Microresistivity Log
Dual Induction Log
Borehole Compensated Log
Dual Compensated Porosity Log
Cement Bond Log

☒ Log Formation (Top), Depth and Datum ☐ Sample

| Name | Top | Datum |
|---|---|---|
| Anhydrite | 1559' | ( +656) |
| Base/Anhydrite | 1604' | ( +611) |
| Topeka | 3234' | (-1019) |
| Heebner Shale | 3460' | (-1245) |
| Toronto | 3480' | (-1265) |
| Lansing | 3494' | (-1279) |
| Stark Shale | 3684' | (-1469) |
| Base/KC | 3731' | (-1516) |
| Marmaton | 3794' | (-1579) |
| Arbuckle | 3861' | (-1646) |
| LTD | 3941' | (-1726) |

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 Pipe | 12¼" | 8 5/8" | 20# | 221.70' | Common | 150 | 2%Gel&3%CC |
| Production St. | 7 7/8" | 5½" | 15.5# | 3939' | ASC | 175 | 2%Gel |
| | | | DV Tool @ | 1588' | 60/40Poz | 400 | 6%Gel&¼#FC/sk |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|---|---|---|---|---|
| | | | | |
| | | | | |

| 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 |
|---|---|---|---|
| 4 SPF | 3862-68' & 3870-74' | Completed Natural | |
| | | | |
| | | | |
| | | | |
| | | | |

| TUBING RECORD | Size | Set At | Packer At | Liner Run |
|---|---|---|---|---|
| | 2-7/8" | 3906' | NA | ☐ Yes ☒ No |

Date of First, Resumed Production, SWD or Enhr.: April 23, 2002

Producing Method: ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other *(Explain)*

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|---|---|---|---|---|---|
| | 25.05 | | 40.08 | | 36.8° |

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

METHOD OF COMPLETION: ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other *(Specify)*

Production Interval: 3862-68' & 3870-74'

**Discovery Drilling**

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

# DRILLER'S LOG

Operator: **John O. Farmer, Inc.**
PO Box 352
Russell, KS 67665

Contractor: **Discovery Drilling Co., Inc.**
PO Box 763
Hays, KS 67601

Lease: Duncan #1

Location: 120' S & 190' W of C/SE/4
Sec. 35/12S/21W
Trego Co., KS

Loggers Total Depth: 3941'
Rotary Total Depth: 3940'
Commenced: 3/6/02
Casing: 8 5/8" @ 221.70' w/150sks
5 1/2" @ 3937' w/175sks
DV @ 1588' w/400sks

Elevation: 2207' Gr/2215' KB
Completed: 3/14/02
Status: Oil Well

## DEPTHS & FORMATIONS
**(All from KB)**

| | | | |
|---|---|---|---|
| Surface, Sand & Shale | 0' | Shale | 1606' |
| Dakota Sand | 567' | Shale & Lime | 2113' |
| Shale | 769' | Shale | 2488' |
| Cedar Hill Sand | 1050' | Shale & Lime | 2856' |
| Red Bed Shale | 1278' | Lime & Shale | 3333' |
| Anhydrite | 1568' | RTD | 3940' |
| Base Anhydrite | 1606' | | |

STATE OF KANSAS )
) ss
COUNTY OF ELLIS )

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

Thomas H. Alm

Subscribed and sworn to before me on 3-14-02

My Commission expires: 8-9-03

(Place stamp or seal below)

Notary Public