

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

Operator: License # 8925
Name Liberty Operations & Completions, Inc.
Address 308 West Mill
City/State/Zip Plainville, Ks 67663

Purchaser Farmland Industries, Inc.

Operator Contact Person Charles G. Comeau
Phone 913-434-4686

Contractor: License # 5665
Name Pioneer Drilling Company, Inc.

Wellsite Geologist Kevin Adams
Phone 913-628-6698

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

If OWWO: old well Info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
9-02-85 9-07-85 9-19-85
Spud Date Date Reached TD Completion Date
3750' 3730'
Total Depth PBDT

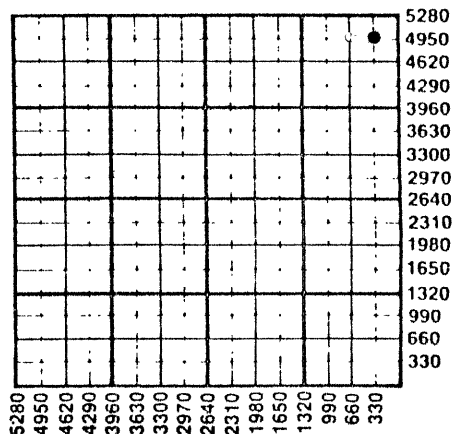
Amount of Surface Pipe Set and Cemented at 257' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1772' feet
If alternate 2 completion, cement circulated from 1772' feet depth to surface w/ 350 SX cmt
Cement Company Name Allied Cementing Co., Inc.
Invoice # 44133

API No. 15-163-22,708-00-00
County Rooks
NE NE NE Sec. 20 Twp. 6S Rge. 20 East
West

4950' Ft North from Southeast Corner of Section
330' Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name States Well # 1
Field Name TODD, NE
Producing Formation Arbuckle
Elevation: Ground 2206' 2211' KB

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: Farm Pond
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West

Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West

Other (explain) (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas, 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

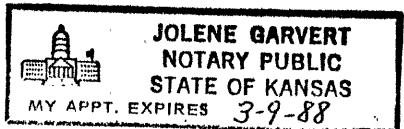
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Charles G. Comeau
Title Petroleum Geologist Date 9-23-85

Subscribed and sworn to before me this 23rd day of September, 1985

Notary Public Jolene Garvert

Date Commission Expires 3-9-88



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)

RECEIVED

Form ACO-1 (CORRECTIONS) KANSAS CORPORATION COMMISSION

SENT 9-23-85

OCT 3 1985
10-3-85
CONSERVATION DIVISION

11111

Operator Name Liberty Operations & Completions, Inc. Lease Name States Well # 1
 Sec. 20 Twp. 6S Rge. 20 East West County Rooks

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

LOG TOPS

Anhydrite 1815 (+396)
 Topeka 3216 (-1005)
 Heebner 3418 (-1207)
 Toronto 3442 (-1231)
 Lansing/KC 3454 (-1243)
 Base/KC 3651 (-1440)
 Marmaton 3669 (-1458)
 Arbuckle 3690 (-1479)

| Name | Top | Bottom |
|----------------|-------|--------|
| sand and shale | 0' | 50' |
| sand and shale | 50' | 259' |
| shale and sand | 259' | 1140' |
| shale and sand | 1140' | 1820' |
| anhydrite | 1820' | 1851' |
| shale | 1851' | 1902' |
| shale | 1902' | 2250' |
| shale | 2250' | 2460' |
| shale and lime | 2460' | 2719' |
| shale and lime | 2719' | 2925' |
| lime and shale | 2925' | 3130' |
| lime and shale | 3130' | 3278' |
| lime and shale | 3278' | 3415' |
| lime and shale | 3415' | 3525' |
| lime and shale | 3525' | 3638' |
| lime and shale | 3638' | 3750' |
| arbuckle | 3750' | 3750' |

3750' R.T.D.

| 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 Casing | 12 1/4" | 8 5/8" | 20# | 257' | 60-40pos | 160 | 2%gel 3%cc |
| Production (1) | 7 7/8" | 4 1/2" | 10.5# | 3741.22' | 60-40pos | 175 | 8%salt 5%gilsonite |
| " (2) | " | " | " | " | 50-50pos | 350 | 6%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 |
| 2/foot | 3691-3704' | | | 500 gal. 15% D.F.E. retreated w/750 gal. 15% D.F.E., 5% checker-sol hot acid | | | 3691-3704' |
| TUBING RECORD | | | | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No retr. w/1000 gal. 15% D.F.E. | | | |
| Size | Set At | Packer at | | | | | |
| 2 3/8" | 3724' | | | | | | |
| Date of First Production | Producing Method | | | | | | |
| 9-20-85 | <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)..... | | | | | | |
| Estimated Production Per 24 Hours | Oil | | Gas | | Water | | Gravity |
| | 40 Bbls | | | MCF | 20 Bbls | | CFPB |

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 3691-3704'
 Used on Lease Dually Completed
 Commingled

FORWARD TO THE
 STATE DEPARTMENT OF REVENUE
 OIL AND GAS DIVISION
 1000 W. BROADWAY
 DALLAS, TEXAS 75201

1102