

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5673
Name W. L. Kirkman, Inc. - JBOD, Inc.
Address P. O. Box 782290
City/State/Zip Wichita, Kansas 67278

Purchaser Inland Purchasing & Transportation
Wichita, KS

Operator Contact Person Michael L. Kirkman
Phone 316-685-5372

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Ron Falwell
Phone 316-549-3963

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If ONWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
1/24/87 2/6/87 04/06/87
Spud Date Date Reached TD Completion Date
4,546'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 252 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from feet depth to W/SX cat

API NO. 15-151-21,814-DD-00
County Pratt
W/2 NW/4 NW/4 14 28S 12W East
Sec. Twp. Rge. West

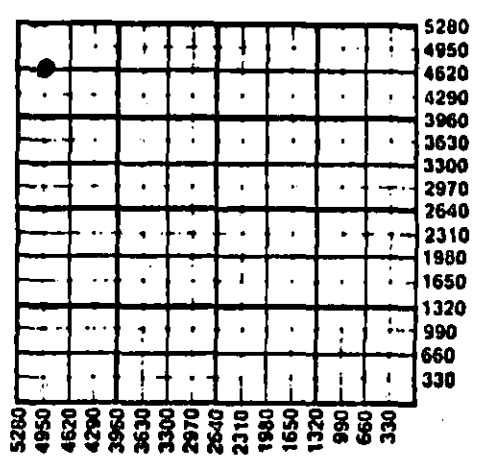
4620 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Hillard Well # C1
Field Name Chitwood, North

Producing Formation Viola

Elevation: Ground 1854 KB 1859

Section Plat



WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit T87-43

Groundwater 4700 Ft North from Southeast Corner
4900 Ft West from Southeast Corner of
Sec 14 Twp 28S Rge 12 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 Michael W. Kub

Title Vice-Pres Date 7-22-87

Subscribed and sworn to before me this 22nd day of Sept. 1987

Notary Public Darlene Butts

Date Commission Expires 4-23-91

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)
RECEIVED
STATE CORPORATION COMMISSION

NOTARY PUBLIC - State of Kansas
DARLENE BUTTS
My A.C. No. 4-23-91

Form ACO-1 (7-84)
SEP 25 1987
9-25-87
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name **W. L. Kirkman, Inc. - JBGD, INC.** Lease Name **Hillard** Well **C 1**
 Sec. **14** Twp. **28S** Rge. **12W** County **Pratt**
 East West

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill 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 rate 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

DST #1 Toronto 3547' - 3581'
 30-45-45-60
 IFP 81-81, ISIP 1329, FFP 122-122,
 FSIP 1329 REcovered 100' Gassy Mud/
 trace oil 60' Gas Cut Muddy Water,
 60' Gassy Water. CL 78,000

DST #2 Kansas City 3848 - 3871
 30-30-60-60
 IFP 102-61, ISIP 1126, FFP 122-81,
 FSIP 1227. Rec 90' Slightly oil spotted
 mud.

DST #3 Kansas City 4010' - 4115'
 30-45-45-60
 IF 214-112, FF 142-81, ISI 818, FSI 716
 70' Gas Cut Mud

DST #4 Viola 4362' - 4370'
 30-30-30-35
 IFP 117-186, ISIP 964, FFP 294-392,
 FSIP 974 Rec 558' clean gassy oil, 124
 Gsy Frothy Oil (85% oil, 5% wtr, 10% M)
 CL 96,000.

| Name | Top | Bottom |
|-------------------|------|--------|
| Heebner | 3549 | -1690 |
| Brown Lime | 3731 | -1872 |
| Lansing | 3743 | -1884 |
| Base Kansas City | 4116 | -2257 |
| Miss Chert | 4203 | -2344 |
| Kinderhook Shale | 4295 | -2436 |
| Viola | 4361 | -2502 |
| Simpson Shale | 4458 | -2599 |
| Simpson Sandstone | 4462 | -2603 |
| Arbuckle | DNP | DNP |

| CASING RECORD <input checked="" type="checkbox"/> New & <input checked="" 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" | 23 1/2 | 260' | Common | 160 | 2% Gel, 3% CC |
| Production | 7 7/8" | 5 1/2" | 15 5/8 | 4,545' | 50/50 Pop | 120 | 2% CFR2, 1% |
| PERFORATION RECORD | | | | Acid, Fracture, Shot, Cement Squeeze Record | | | |
| Shots Per Foot | Specify Footage of Each Interval Perforated | | | (Amount and Kind of Material Used) | | Depth | |
| 4 SPF | Simpson 4464' - 68' | | | Cmtd with 50 sx 5/5 Poz. + | | 4411' | |
| XXXXX | XXXXXXXXXXXXXXXXXXXX | | | 105 CaCl + 25 sx 5/5 Poz. + | | | |
| 4 SPF | Viola 4363' - 67' | | | 10% CaCl + 3% Gilsomite | | | |
| TUBING RECORD | | | | | | | |
| Size 2 7/8" | | Set At 3875' | | Packer at | | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Date of First Production | | Producing Method | | | | | |
| 4/87 | | <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 | Gas-Oil Ratio | Gravity | |
| 8 Bbls | | | MCF | 160 Bbls | | | |

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 4363' - 4367'
 Used on Lease Dually Completed
 Commingled