

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 # 5131  
Name Thunderbird Drilling, Inc.  
Address P.O. Box 780407  
City/State/Zip Wichita, Ks. 67278  
Purchaser Clear Creek, Inc.

Operator Contact Person Burke Krueger  
Phone 316-685-1441

Contractor: License # 5422  
Name Abercrombie Drilling, Inc.

Wellsite Geologist Craig Caulk  
Phone (316) 265-9501

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:  
 XMud Rotary  Air Rotary  Cable  
4-30-88 Spud Date 5-8-88 Date Reached TD 5-9-88 Completion Date  
4240! Total Depth  
Amount of Surface Pipe Set and Cemented at 297' 43"  
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 cmt  
Cement Company Name  
Invoice #

API NO. 15-153-20,714-00-00  
County Rawlins  
NW NE 36 1S Rge. 34 East  
Sec. Twp. Rge. X West

4620 Ft North from Southeast Corner of Section  
1980 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

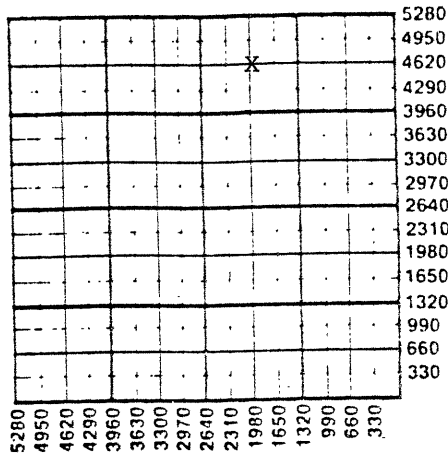
Lease Name Horinek Well # 1

Field Name WC Horinek Vap, SW

Producing Formation Lansing-KC

Elevation: Ground 3024! KB 3029!

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:  
Division of Water Resources Permit # T88-231

Groundwater 2640! Ft North from Southeast Corner  
(Well) 1320 Ft West from Southeast Corner of  
Sec 28 Twp 1S Rge 33 East X 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 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. 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 Burke B. Krueger  
Title Vice-President Date 5-23-88

Subscribed and sworn to before me this 23rd day of May 1988.  
Notary Public Gloria DeJesus  
Date Commission Expires 3-25-92

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 STATE CORPORATION COMMISSION  
06-10-1988  
JUN 10 1988  
6-10-88

Sec 36 Twp 1 S Rge 34 E

GLORIA DE JESUS  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXP.

CONSERVATION DIVISION  
Wichita, Kansas

SIDE TWO

Operator Name Thunderbird Drilling, Inc. Lease Name Horinek Well # 1

Sec. 36 Twp. 1S Rge. 34  East  West County Rawlins County, Ks.

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  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | Formation Description<br><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            |  |
| Cores Taken   | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |  |
| DST #1, 3915-3986/45-45-45-45, rec. 224' mud w/ scum oil, IFP 85-106#, FFP 117-127#, SIP 1169-1117#                   |   |  | Name: Anhydrite Top: 2873+ Bottom: 156   |
| DST #2, 3982-4040/45-45-45-45, rec. 2' oil + 64' ocm (10% oil), IFP 31-31#, FFP 42-42#, SIP 1179-1096#                |   |  | Name: B/Anydrite Top: 2909+ Bottom: 120  |
| DST #3, 4036-4094/45/45/45/45, rec. 65' mud, IFP 74-74#, FFP 74-74#, SIP 106-95#                                      |   |  | Name: Topeka Top: 3764- Bottom: 735  |
| DST #4, 4086-4135/45-45-45-45, rec. 55' ocm (5% oil) All FP 42#, SIP 1305-1305#                                       |   |  | Name: Heebner Top: 3924- Bottom: 895   |
| DST #5, 4128-4182/45-45-45-45, rec. 360' gip, 250' cgo, 60' gsy ocm (15% oil), IFP 74-95#, FFP 148-159#, SIP 991-901# |   |  | Name: Lansing-KC Top: 3971- Bottom: 942  |
|   |   |  | Name: BKC Top: 4210- Bottom: 1181  |
|   |   |  | Name: LTD Top: 4239- Bottom: 1215  |
|   |   |  | Name: RTD Top: 4240- Bottom: 1216  |

| 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   | 12 1/4   | 8 5/8                     | 20             | 297.43   | 60-40 pos.     | 180         | 2% gel, 3% cc              |
| Production  | 7 7/8  | 5 1/2                     | 14             | 4239'  | Haliburton     | 100         | 20bbbl. mud flush          |
| 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   | 4160-4164  |                           |                | 500 gal. m.a.  |                | 4160-4164   |                            |
| 2   | 4023-4030  |                           |                | 3000 gal.  |                | 4160-4164   |                            |
|   |  |                           |                | 500 gal.   |                | 4023-4030   |                            |
|   |  |                           |                | 3000 gal. 15% NE   |                | 4023-4030   |                            |
| TUBING RECORD   | Size   | Set At                    | Packer at      | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No |                |             |                            |
| 2 3/8"  | 2 3/8"   | 4013'                     |                |  |                |             |                            |
| Date of First Production  | Producing Method   |                           |                |  |                |             |                            |
| 6/7/88  | <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     |                            |
|   | 43 Bbls  |                           | None           |  |                |             |                            |

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  Sold  Other (Specify) ..... 4023-4164 OA .....  Used on Lease  Dually Completed  Commingled .....