

# TIGHT HOLE

# TIGHT HOLE

SIDE ONE

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

API NO. 15-179-20,914-0000  
County... Sheridan  
NE SW NW Sec. 12 Twp. 10S Rge. 26 East  
West

Operator: License # 5063  
Name Energy Exploration, Inc.  
Address 1002 S. Broadway  
City/State/Zip Wichita, KS 67211

3630 Ft North from Southeast Corner of Section  
4290 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser N/A

Lease Name Wilbur Bittel Well # 1

Operator Contact Person Kevin Howard  
Phone 316-267-7336

Field Name wildcat

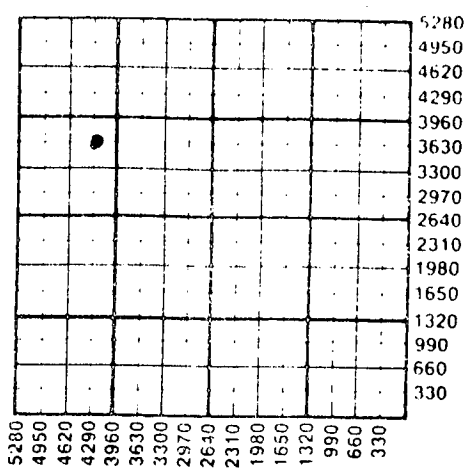
Producing Formation N/A

Contractor: License # 5107  
Name H-30 Drilling, Inc.

Elevation: Ground 2568' KB 2573'

Wellsite Geologist Kevin L. Howard  
Phone 316/267-7336

Section Plat



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 N/A  
Well Name  
Comp. Date Old Total Depth

### 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 #  
 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 water from landowner's  
(purchased from city, R.W.D. #) small pond

### WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
1-14-88 1-21-88 1-22-88  
Spud Date Date Reached TD Completion Date  
4100' N/A  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 226 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 cmt  
Cement Company Name  
Invoice #

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 *Joseph D. Mace*  
Joseph D. Mace  
Title President Date 1-29-88

Subscribed and sworn to before me this 29th day of January 1988  
Notary Public *Cheryl L. Idleman*

Date Commission Expires 1-30-89

CHERYL L. IDLEMAN  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 1-30-89

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)

2-5-88

Sec. 12, Twp. 10, Rge. 26

15-179-20914-0000

# TIGHT HOLE

SIDE TWO

Operator Name Energy Exploration, Inc. Lease Name Wilbur Bittel Well # 1

Sec. 12 Twp. 10S Rge. 26  East  West County Sheridan

## 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

DST #1 3843-3865 (Lns. B) 30-60-60-60, Rec. 120' MW (chl. 45,000) IHP 2038, IFP 74-74, ISIP 834, FFP 85-106, FSIP 761, FHP 1974, temp. 115°  
DST #2 3865-3877 (Lns. D) 30-60-60-60, Rec. 120' MW, scum oil (chl. 40,000), IHP 2016, IFP 42-42, ISIP 583, FFP 63-74, FFP 552, FHP 1974, temp. 115°  
DST #3 3895-3917 (Lns. E,F) 30-60-60-60, Rec. 10' M, IHP 1912, IFP 31-31, ISIP 31, FFP 31-31, FSIP 31, FHP 1943, temp. 118°  
DST #4 3952-4022 (Lns. H,I,J) 30-60-60-60, Rec. 60' GIP, 70' OCM (10% O), IHP 1943, IFP 21-21, ISIP 730, FFP 21-21, FSIP 656, FHP 1912, temp. 122°

| Name               | Top    | Bottom |
|--------------------|--------|--------|
| Shale              | 0      | 826'   |
| Shale and Sand     | 826'   | 1,413' |
| Shale              | 1,413' | 2,010' |
| Lime and Shale     | 2,010' | 2,523' |
| Shale and Lime     | 2,523' | 3,180' |
| Lime and Shale     | 3,180' | 3,400' |
| Shale and Lime     | 3,400' | 3,704' |
| Lime and Shale     | 3,704' | 3,887' |
| Lime               | 3,887' | 3,917' |
| Lime and Shale     | 3,917' | 4,100' |
| Rotary Total Depth |        | 4,100' |

| Formation | Sample     | Log        |
|-----------|------------|------------|
| Anhydrite | 2200 +373  | 2200 +373  |
| Heebner   | 3796 -1223 | 3794 -1221 |
| Toronto   | 3815 -1242 | 3816 -1243 |
| Lansing   | 3929 -1256 | 3831 -1258 |
| BKC       | 4063 -1490 | 4062 -1489 |
| T.D.      | 4100       | 4100       |

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           | 12-1/4"           | 8-5/8"                    | 20#            | 226'          | Class A        | 150         | 3% cc 2% gel               |

| Shots Per Foot | Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|--|-------|
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

TUBING RECORD Size Set At Packer at Liner Run  Yes  No

Date of First Production Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

| Estimated Production Per 24 Hours | Oil  | Gas | Water | Gas-Oil Ratio | Gravity |
|-----------------------------------|------|-----|-------|---------------|---------|
|                                   | Bbls | MCF | Bbls  |               |         |
|                                   |      |     |       |               |         |

RELEASED  
MAR 30 1989  
FROM CONFIDENTIAL

### METHOD OF COMPLETION

Production Interval

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