

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. 15-193-20,396-00-00
County Thomas
SW SE NE Sec. 15 Twp. 9 Rge. 33 East West

2970 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Friesen Well # 1-15

Field Name Wildcat

Producing Formation Niobrara

Elevation: Ground 3127 KB 3132

Operator: License # 4335
Name Terrol Energy, Inc.
Address 309 Hyland Dr.
City/State/Zip Evergreen, CO 80439

Purchaser

Operator Contact Person Terry D. Enright
Phone (303) 830-2755

Contractor: License # 6111
Name Emphasis Oil Operations

Wellsite Geologist Ron Nelson
Phone (913) 628-3449

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

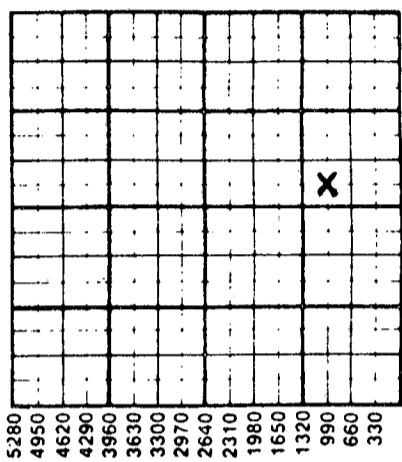
If OWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
X Mud Rotary Air Rotary Cable
2/22/86 3/3/86 4/1/86
Spud Date Date Reached TD Completion Date
5205' RTD 1369'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 362 feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 1400 feet depth to surface/195 SX cmt
Cement Company Name PJ-Titan Services
Invoice # 281369

Section Plat



WATER SUPPLY INFORMATION N/A

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 # T.86-122

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 Terry D. Enright
Title President Date 5/12/86

Subscribed and sworn to before me this 12th day of May 1986
Notary Public E. R. Lissen

Date Commission Expires 2-22-90

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)

MAY 16 1986
05-10-1986
CONSERVATION DIVISION
Wichita, Kansas

Sec. 15 Twp. 9 Rge. 33

Operator Name Terrol Energy, Inc. Lease Name..... Friesen..... Well #..... 1-15
 Sec..... 15..... Twp..... 9..... Rge..... 33..... East West County..... Thomas.....

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: 4615'-4686' Johnson Zone 30"-30"-30"-30"
 Rec. 5' Mud - No Show
 IFP - 52-52#
 FFP - 52-52#
 ISIP - 84#
 FSIP - 84#
 IHP - 2635# X
 FHP - 2593#

Name	Top	Bottom
Top Anhydrite	2706	2734
Heebner	4076	
Toronto	4098	
Lansing/Kansas City	4117	4398
Marmaton	4420	
Pawnee	4527	
Ft. Scott	4584	
Cherokee Shale	4616	
Johnson Zone	4657	
Mississippi	4712	
Warsaw	4752	
Osage	4842	
Gilmore City	4950	
Unconformity	5073	
LTD	5201	

RELEASED

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	24	362	60/40POZ	200	3%cc, 2%gel
Production	7-7/8	5-1/2	15 1/2	1400	60/40POZ	170	4%gel
						75	Surefill

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated		Depth
2 SPE	1118 1/2 - 1127 1/2	500 Gal, 15% MCA	Same
2 SPE	1198 - 1208		

TUBING RECORD	Size	Set At	Packer at	Liner Run
N/A				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Production	Producing Method
N/A	N/A <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity
		N/A			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease Open Hole Perforation Other (Specify)
 1118 1/2 - 1127 1/2
 Dually Completed Commingled
 1198 - 1208

15-193-20396-00-00

EMPHASIS OIL OPERATIONS

P. O. Box 506

Russell, KS 67665

DRILLERS LOG

OPERATOR: Terrol Energy, Inc.
309 Hyland Dr.
Evergreen, CO 80439

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Friesen

WELL #1-15

LOCATION: SW SE NE
Section 15-9S-33W
Thomas County, Kansas

CONFIDENTIAL

Log Total Depth: 5206'

Rotary Total Depth: 5205'

Commenced: 2/22/86

Casing: 8-5/8" @ 362' w/200 sks cement
5-1/2" @ 1399' w/245 sks cement

Elevation: 3132' K.B.

Completed: 3/3/86

Status: Gas Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

Top soil & Sand	30'	Shale	4014'
Shale & Sand	365'	Shale & Lime	4121'
Shale	2300'	Lime & Shale	4539'
Shale & Sand	2705'	Shale & Lime	4686'
Anhydrite	2739'	Lime & Shale	(R.T.D.) 5205'

MAY 16 1986
STATE OF KANSAS
SURVEY

RELEASED

AUG 13 1987

FROM CONFIDENTIAL

STATE OF KANSAS)
 ss
COUNTY OF RUSSELL)

Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

Kyle B. Branum

Kyle B. Branum

Subscribed and sworn to before me this 5th of March, 1986.

My Commission Expires: July 29, 1989.

RECEIVED
STATE CORPORATION COMMISSION
MAY 16 1986

CONSERVATION DIVISION
Wichita, Kansas

Patricia L. Schawo

Patricia L. Schawo, Notary Public

