

plugged 11-24-87

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 # 4335
Name Terrol Energy, Inc.
Address 3245 Broadway
City/State/Zip Boulder, CO 80302

Purchaser

Operator Contact Person Terry Enright
Phone (303)-444-4545

Contractor: License # 8241
Name Emphasis Oil Operations

Wellsite Geologist J. C. Musgrove
Phone

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

11/17/87 11/24/87 11-24-87
Spud Date Date Reached TD Completion Date

3484'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 270 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set
If alternate 2 completion, cement circulated from...feet depth to...w/...SX cmt
Cement Company Name
Invoice #

API NO. 15-185-22,480-0000

County Stafford

.SW. NE...SW... Sec. 4. Twp 21S. Rge 12. East
West

1320... Ft North from Southeast Corner of Section
3630... Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

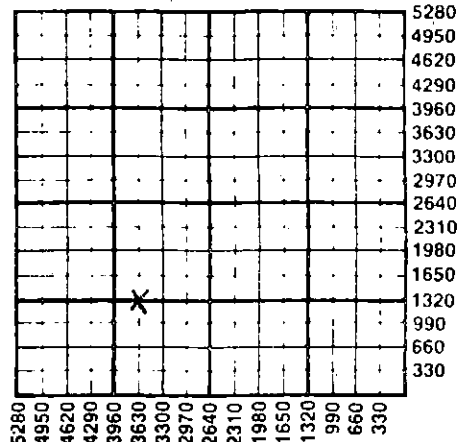
Lease Name Hewitt Well # 1-4

Field Name

Producing Formation

Elevation: Ground 1840' KB 1845'

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 #

Groundwater 1320...Ft North from Southeast Corner
(Well) 3630...Ft West from Southeast Corner of
Sec 4 Twp 21S 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 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 Terry D. Enright

Title President Date 1/18/88

Subscribed and sworn to before me this 18th day of January

Notary Public

Date Commission Expires 2/20/89

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)

25 1988

Form ACO-1 (5-86)

25-1988

Sec. 4, Twp 21S, Rge. 12E

SIDE TWO

Operator Name Terrol Energy, Inc. Lease Name Hewitt Well # 1-4

Sec. 4 Twp. 21S Rge. 12 East West County Stafford

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 3428 - 3484
 Misrun, Plugged Tool

DST #2 3320 - 3380
 Misrun, Tool did not open

Name	Top	Bottom
Anhydrite	625	
Heebner	3060	
Toronto	3079	
Douglas	3093	
LKC	3207	3421
Conglomerate	3431	
Arbuckle	3470	
TD	3484	

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#	270	60/40Poz	180	2% Gel 3% CaO ₂
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method <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	

METHOD OF COMPLETION

Production Interval

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

GEOLOGICAL REPORT

Terrol Energy, Inc.
Hewitt #1-4

CW/2 E/2 SW Sec. 4-21s-12w
Stafford County, Ks.

DRY AND ABANDONED

CONTRACTOR: Emphasis Drilling (#5)
 COMMENCED: November 17, 1987
 COMPLETED: November 23, 1987
 A.P.I. No. 185-22,480
 ELEVATION: 1845' K.B., 1843' D.F., 1840' G.L.
 CASING PROGRAM: Surface - 8 5/8" @ 270'
 Production - None.
 SAMPLES: Samples examined 2950' to R.T.D.
 DRILLING TIME: One (1) foot drilling time logged by
 drillers, 2900 ft. to R.T.D.
 ELECTRIC LOG: Great Guns - Density, R.A. Guard, Caliper.
 MEASUREMENTS: All depths measured from the Kelly Bushing.
 FORMATION TESTS: There were two (2) drill stem tests run
 by Formation Testing Services, both were
 mis-runs. The tool did not open.

<u>FORMATION</u>	<u>ELECTRIC LOG DEPTH</u>	<u>SUB-SEA DATUM</u>
Anhydrite (Driller)	625	+1220
Heebner	3060	-1215
Toronto	3079	-1234
Douglas	3093	-1248
Brown Lime	3191	-1346
Lansing	3207	-1362
Base Kansas City	3421	-1576
Conglomerate	3431	-1586
Arbuckle	3470	-1625
Total Depth	3404	-1639

Samples are corrected to the electric log measurements.

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.Topeka Section

Although there were several zones of porosity in the lower Topeka, there were no shows of oil noted.

Lansing Section

3208-3212 Limestone; gray, finely crystalline, slightly fossiliferous, cherty. No shows of oil.

3226-3230 Limestone; gray, cherty, fossiliferous, no shows of oil.

3246-3250 Limestone; cream, slightly fossiliferous to oolitic, poor porosity. Scattered dull gray stain. No free oil, no odor. in fresh samples.

STATE OF KANSAS
GEOLOGICAL DIVISION

NOV 25 1988

Terrol Energy, Inc.
Hewitt #1-4

CW/2 E/2 SW Sec. 4-21s-12w
Stafford County, KS.

LANSING SECTION (Cont'd)

3264-3268 Limestone; mottled gray, chalky, fossiliferous, no shows of oil.

3282-3292 Limestone; cream, fossiliferous, oocastic, fair porosity, trace dull stain, no free oil, no odor in fresh samples.

3333-3339 Limestone; white, oocastic, good oocastic porosity, no shows of oil.

3349-3354 Limestone; gray, fossiliferous, abundant gray dense lime. No shows of oil.

3366-3371 Limestone; gray, oolitic to oocastic. Cherty in part. Good oocastic porosity. Traces of white, boney chert. No shows of oil.

DRILL STEM TEST #2, 3320-3380' (Straddle Packers)

Mis-run, tool did not open.

3384-3392 Limestone; cream to white, finely crystalline, chalky, no shows of oil.

3403-3408 Limestone; gray, oocastic, chalky, no shows of oil.

CONGLOMERATE SECTION

3431-3470 Chert; red, gray, white, pink opaque in matrix of vari-colored shale, no shows of oil.

ARBUCKLE SECTION

3470-3484 Dolomite; gray to tan, fine to medium crystalline, cherty, scattered inter-crystalline porosity. Spotty stain, weak show free oil, strong odor in fresh samples. Abundant vari-colored shale throughout.

DRILL STEM TEST #1, 3428-3484'

Open: IF - 30"
FF - 45"
Blow: Weak blow, dead in 15 min. on F.F.
Recovery: 10 ft. muddy water.
Pressures: Not recorded, Mis-run, plugged tool.

3454 (-1625) Rotary Total Depth.

REMARKS:

During drilling the Hewitt #1-4, was referenced structurally against the L. K. Parrish #2 Hewitt, an Arbuckle producer 330 feet north and 660 feet west. The Heebner was encountered fifteen (15) feet low, Brown Lime was -15', Lansing --15' and the Arbuckle was 37 ft. low.

STATE COMMISSION

25 1988

COMMISSION DIVISION
Wichita, Kansas

Terrol Energy, Inc.
Hewitt #1-4

CW/2 E/2 SW Sec. 4-21s-12w
Stafford County, KS.

RECOMMENDATIONS:

As a result of the extremely low structural position, and there being no other zones worthy of any further testing, it was recommended that the #1-4 Hewitt be plugged and abandoned at the Total Depth of 3484 (-1639) feet.

Respectfully submitted,


J. C. Musgrove
Certified Petroleum Geologist

JCM:ds

CC:



STATE COLLEGE

MAY 25 1988

REGISTRATION DIVISION
Wichita, Kansas

EMPHASIS OIL OPERATIONS

P. O. BOX 506

RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: Terrol Energy, Inc.
3245 Broadway
Boulder, Colorado 80302

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Hewitt WELL #1-4

LOCATION: SW NE SW
Section 4-21S-12W
Stafford County, Kansas

LOGGERS TOTAL DEPTH: 3485'

ROTARY TOTAL DEPTH: 3484'

COMMENCED: 11/17/87

CASING: 8-5/8" @ 270' w/180 sks cement

ELEVATION: 1845' K.B.

COMPLETED: 11/24/87

STATUS: Dry Hole

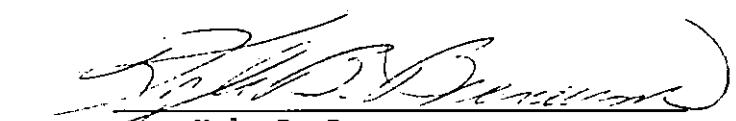
DEPTHS & FORMATIONS

(All measurements from K.B.)

Sand	230'	Douglas	3094'
Anhydrite	652'	Brown Lime	3193'
Heebner	3078'	Arbuckle	3470'
Toronto	3082'	R.T.D.	3484'
Lansing-KC - Base KC	3420'	L.T.D.	3485'

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)

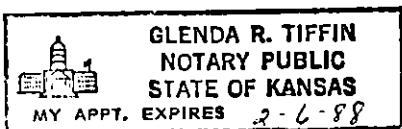
Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

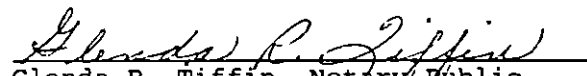


Kyle B. Branum

Subscribed and sworn to before me on November 30, 1987.

My commission expires: February 6, 1988.





Glenda R. Tiffin, Notary Public

RECEIVED
STATE COURT

JAN 25 1988

CONSERVATION DIVISION
Wichita, Kansas