

COPY 2261
SIDE ONE

CONFIDENTIAL SEP 07 1991

Jan

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

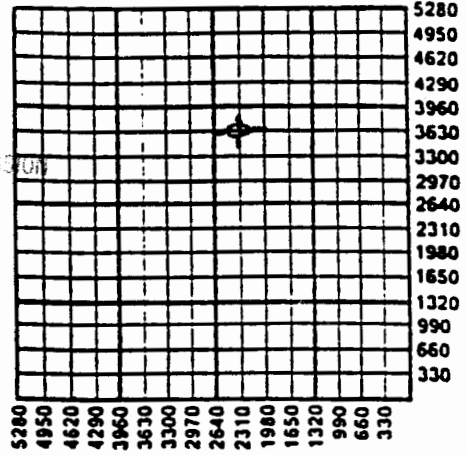
Operator: License # 5140
Name: FRONTIER OIL COMPANY
Address 125 N. Market, Ste. 1720
City/State/Zip Wichita, KS 67202
Purchaser: N/A
Operator Contact Person: Jean Angle
Phone (316) 263-1201
Contractor: Name: RED TIGER DRILLING COMPANY
License: 5302
Wellsite Geologist: Mr. Richard Parker

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

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

Drilling Method:
 Mud Rotary Air Rotary Cable
7-30-90 8-9-90 8-9-90
Spud Date Date Reached TD Completion Date

API NO. 15- 109-20,484 FROM CONFIDENTIAL
County Logan
NW SW NE Sec. 16 Twp. 11S Rge. 35 East West
3630 Ft. North from Southeast Corner of Section
2310 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Bertrand Well # 1
Field Name Wildcat
Producing Formation N/A
Elevation: Ground 3291 KB 3296
Total Depth 4749 PBDT N/A



Amount of Surface Pipe Set and Cemented at 269 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Jean Angle
Tif Agent Date 8-20-90
Subscribed and sworn to before me this 20th day of August, 19 90.

Notary Public D. Brennan
Date 8-20-90
STATE OF KANSAS

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)

SIDE TWO

Operator Name FRONTIER OIL COMPANY Lease Name Bertrand Well # 1
 Sec. 16 Twp. 11S Rge. 35 East West
 County Logan

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 reaches casing 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.

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Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 DST 1 (4168-4194) 60-45-30-45. Rec. 340' SW.
 IF 19-127, FF 147-187, ISIP 1206, FSIP 1216
 DST 2 (4302-4332) 30-45-30-45. Rec. 10'M.
 IF & FF 19-19, ISIP 986, FSIP 887
 DST 3 (4698-4726) 30-45-60-45. Rec. 100' CO,
 10'MCO. IF 9-9, FF 19-29, ISIP 187, FSIP 127

Formation Description
 Log Sample

Name	Top	Bottom
Anhydrite	2744	+552
Tarkio	3751	-455
Topeka	3884	-588
Heebner	4107	-811
Toronto	4124	-828
Lansing-KS City	4144	-848
Base KS City	4466	-1170
Marmaton	4478	-1182
Fort Scott	4625	-1329
Cherokee Shale	4655	-1359
Johnson	4692	-1396
RTD	4750	-1454

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 1/2"	8 5/8"	20#	269	60-40 POZ	150	2% gel, 3% cc

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

TUBING RECORD Size N/A Set At Packer At Liner Run Yes No

Date of First Production N/A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: N/A METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify)

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