

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 # 5140  
name Frontier Oil Company  
address 125 N. Market, Ste 1720  
City State Zip Wichita, Ks. 67202

Operator Contact Person Jean Angle  
Phone 316-263-1201

Contractor: license # 5302  
name Red Tiger Drilling Company

Wellsite Geologist Dick Parker  
Phone 913-483-5348

PURCHASER Koch Oil Company

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 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:  Mud Rotary  Air Rotary  Cable

9-7-84 9-13-84 9-27-84  
Spud Date Date Reached TD Completion Date

3664' N/A  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 362' feet

Multiple Stage Cementing Collar Used?  Yes  No

If Yes. Show Depth Set FO Tool @ 1745' feet

If alternate 2 completion, cement circulated  
from feet depth to w/ SX cmt

API NO. 15 - 163-22,471 10-7-20W P1

County Rooks

NE NE NW Sec 10 Twp 7S Rge 20W East West  
(location)

4950 Ft North from Southeast Corner of Section  
2970 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

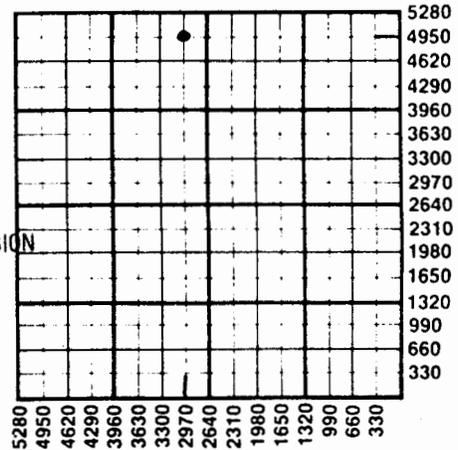
Lease Name Probasco "A" Well# 1

Field Name (Wildcat)

Producing Formation Lansing

Elevation: Ground 2159' KB 2164'

Section Plat



RECEIVED  
STATE CORPORATION COMMISSION  
OCT 09 1984  
CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water: Terry Gottschalk, Logan, Ks.

Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner and  
(Well) Ft. West From Southeast Corner of

Sec Twp Rge  East  West

Surface Water 2300 Ft North From Southeast Corner and  
1300 Ft West From Southeast Corner

Sec 2 Twp 7S Rge 20  East  West

Other (explain)  
(purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring

Docket #

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. Rules 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.

SIDE TWO

Operator Name Frontier Oil Company Lease Name Probasco "A" Well# 1 SEC 10 TWP 7S RGE 20W

East  
 West

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 (3378-3412) 60-30-60-30 1st op wk blo. 2nd op wk blo. Rec 80' MSW/few spks 0. IF 48-85, FF 70-74. ISI 959 FSI 970.

DST 2 (3410-3472) 30-30-30-30. 1st op wk blo 10". 2nd op no blo. Rec 20'M/few spks 0. IF 68-79 FF 79-79 ISI 1217 FSI 1206.

DST 3 (3529-3565) 60-30-60-30 1st op wk blo dd 10". Flushed tool - vy wk blo TO. Rec 30'0, 35' OCM. IF 45-56. FF 68-79. ISI 113. FSI 272.

RTD 3664'.

Name	Top	Bottom
Anhydrite	1715	(+ 449)
Topeka	3142	(- 978)
Heebner	3347	(-1183)
Toronto	3371	(-1207)
Lansing-KC	3385	(-1221)
Base of KC	3592	(-1428)
Conglomerate	3632	(-1468)
RTD	3664	(-1500)

<b>TUBING RECORD</b> size 2" set at 3568' packer at N/A		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First Production 9-28-84	Producing method <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
	Testing.	N/A	
	Bbls	MCF	Bbls
			CFPB

Disposition of gas:  vented  sold  used on lease

**METHOD OF COMPLETION**  open hole  perforation  other (specify)

Dually Completed.  Commingled

RECEIVED STATE CORPORATION COMMISSION  
 OCT 12 1984  
 OCT 09 1984

PRODUCTION INTERVAL  
 3534-3538'  
 3552-3556'

State Geological Survey  
 WICHITA BRANCH

CONSULTING DIVISION  
 Wichita, Kansas

<b>CASING RECORD</b> <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#	369'	60-40 Poz	220	2% gel 3% cc
Production	7-7/8"	4-1/2"	10 3/4#	3663'	Common	200	10% Salt
FO Tool	"	"	-	1745'	-	-	-

<b>PERFORATION RECORD</b>		<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
4	3534' to 3538'	500 gal. 15% Regular	3534-3538'
4	3552' to 3556'	500 gal. 15% Regular	3552-3556'

FRONTIER OIL COMPANY - #1 Probasco "A"  
(Completion)

PL

- 9-17-84 Moved from the #1 Curry to the #1 Probasco "A".
- 9-18-84 Rigged up. Ran Gamma Ray/Neutron Log. LTD - 3618'.  
Perforated from 3552' to 3556' w/4 SPF DPs.  
Ran swab - had show of oil.
- 9-19-84 ONFU - 150' fluid; Swab down - 2.50 Bbl., 70% oil.  
Treated w/500 gal., 15% regular. Max press - 0#. Treated at 4 BPM  
at 0#. Loaded as they shut down. SIP - on vacuum.  
Swabbed well down - short 3.34 Bbl. 1st hr - 4.17 Bbl., 75% oil;  
2nd hr - 3.34 Bbl., 90% oil; 3rd hr - 3.34 Bbl., 90% oil;  
4th hr - 3.34 Bbl., 95% oil; 5th hr - 2.50 Bbl., 90% oil.
- 9-20-84 ONFU - 1300'. Swab dn - 21.76 Bbl., 90% oil.  
1st hr - 3.34 Bbl., 85% oil.  
Perforated from 3534' to 3538' w/4 SPF DPs. Set 4-1/2" plug @ 3546'.  
1/2 hr test - 1.25 Bbl oil. Treated w/500 gal., 15% regular.  
Never loaded. Treated at 5 BPM at 0#. SIP on vacuum.  
Swabbed well down - short 6 bbls. 1st hr - 5.01 Bbl. oil.
- 9-21-84 ONFU - 1500'; Swab down - 25.84 Bbl., 97% oil.  
1st hr - 5.84 Bbl., 97% oil; 2nd hr - 4.17 Bbl., 93% oil;  
3rd hr - 3.34 Bbl., 93% oil;  
Drove plug. 1st hr - 5.01 Bbl. oil; 2nd hr - 3.34 Bbl oil.
- 9-22-84 ONFU - 1200' fl; Swab down - 20.83 Bbl., 98% oil.  
1st hr - 5.01 Bbl., 98% oil; 2nd hr - 5.01 Bbl., 98% oil.  
Rigged up to run tubing and open FO tool.
- 9-23-84 Shut down.
- 9-24-84 Ran 4-1/2" brdg plug and FO opener on 2" tubing. Set brdg plug  
at 1857'. Tested to 1000#. Spotted sand. Opened FO tool.  
Pumped 550 sx 50-50 poz 5% gel. Cement circulated. Pulled up and  
closed FO tool. Pressured to 1000#. Pulled out 2" tubing and opener.  
Ran back in and washed sand off bridge plug. Released brdg plug.
- 9-25-84 Shut down. Cannot get tubing crew there today.
- 9-26-84 Ran tubing and rods.

RECEIVED  
STATE CORPORATION COMMISSION

DEC 18 1984

OCT 09 1984

State Geological Survey  
WICHITA BRANCH

CONSERVATION DIVISION

Started on production on September 28, 1984.