

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISIONWELL 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
 Wichita, Ks. 67202
 City/State/Zip

Purchaser: Koch Oil Company
 Box 2256, Wichita, Ks. 67201

Operator Contact Person Jean Angle
 Phone 316-263-1201

Contractor: License # 5302
 Name Red Tiger Drilling Company

Wellsite Geologist: Richard D. Parker
 Phone 913-483-5348

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

Well Name

Comp. Date Old Total Depth.

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

10-10-84 10-18-84 11-08-84
 Spud Date Date Reached TD Completion Date

3850'
 Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 199 feet
 Multiple Stage Cementing Collar Used? ☒ Yes ☐ No
 If yes, show depth set 1915.57' feet
 If alternate 2 completion, cement circulated
 from feet depth to w/ SX cmt

API NO. 15-163-22-510

County: Rooks

SE SE SW Sec. 18 Twp. 6S Rge. 20W ☒ East ☒ West

330 Ft North from Southeast Corner of Section
 2970 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

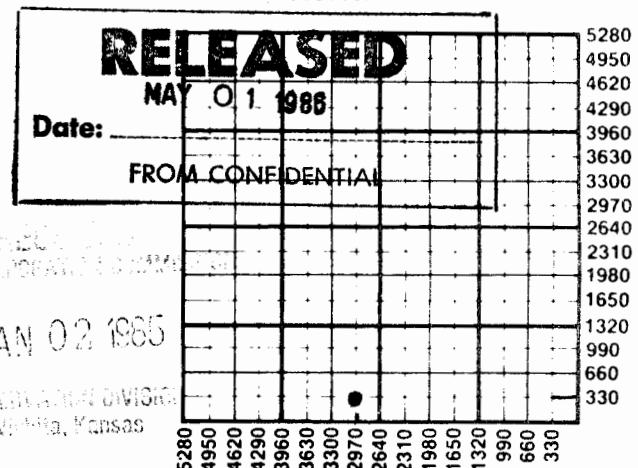
Lease Name: Mc Clurg Well # 1

Field Name: (Wildcat)

Producing Formation: Toronto, Marmaton

Elevation: Ground 2290' KB 2295'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☒ Disposal
 Docket # CD48236/C20.839 ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: Wesley Wallgren, Logan, Ks.
 Division of Water Resources Permit # T84-5714

☐ Groundwater.....Ft North from Southeast Corner
 (Well)Ft West from Southeast Corner of
 Sec Twp Rge ☐ East ☐ West

☒ Surface Water 1250 Ft North from Southeast Corner
 (Stream, pond, etc.) 5000 Ft West from Southeast Corner
 Sec 6 Twp 6S Rge 20 ☐ 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.

CONFIDENTIAL

SIDE TWO

Operator Name Frontier Oil Company Lease Name McClurg Well # 1

Sec. 18 Twp. 6S Rge. 20W ☐ East ☐ West County Rooks

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 (3436-3490) 60-30-60-30 fr to gd blo
Rec 280' MSW IF 39-107 FF 116-155 ISI 1039 FSI 1000

DST 2 (3496-3538) 30-30-30-30 1st op wk blo 2nd op
no blo. Rec 35'M w/f sp 0. IF 28-28 FF 39-39
ISI 1039 FSI 924

DST 3 (3536-3626) 60-30-60-30 wk inc to strg blo
bo ops Rec 420' fluid; 20' O, 160' SOQMSW
(3% O, 60% W), 240' MSW IF 68-165 FF 184-213
ISI 1145 FSI 1116

DST 4 (3600-3626) split 30-30-30-30 1st op wk blo
17" 2nd op no blo fl tool no help Rec 5' M
IF 28-28 FF 28-28 ISI 87 FSI 68

DST 5 (3678-3714) 30-30-30-30 1st op wk blo 10"
2nd op no blo flush tool no help Rec 20'M w/f sp 0
IF 28-28 FF 28-28 ISI 49 FSI 38. (Continued...)

Name	Top	Bottom
Anhydrite	1902	(+ 393)
Topeka	3300	(-1005)
Heebner	3499	(-1204)
Toronto	3524	(-1229)
Lansing	3541	(-1246)
Base KC	3733	(-1438)
Marmaton	3768	(-1473)
Cherty Conglomerate	3784	(-1489)
Arbuckle	3811	(-1516)
RTD	3850	(-1555)

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#	204'	Common	135	2% gel 3% cc
Production	7-7/8"	4-1/2"	10-1/2#	3848'	Common	150	10% Salt
FO Tool				1915.57'			

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

4	3528' to 3532'	500 gal 15% Regular Acid	3528-3532'
4	3666' to 3672'	" " " " " "	3666-3672'
4	3754'-3759' 3769'-3773' 3780'-3784'	1000 gal 28% Regular Acid	3754'-3784'
1	3782' 3771' 3756'	1500 gal 15% Regular Acid	3782, 3771, 3756'

Acid, Fracture, Shot, Cement Squeeze Record

(Amount and Kind of Material Used) Depth

TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☒ No
	2-3/8"	3725'	N/A		

Date of First Production Producing Method

11-8-84

☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....

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SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR Frontier Oil Company LEASE NAME McClurg #1 SEC. 18 TWP. 6S RGE. 20W

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST 6 (3703-3785) 30-30-30-30 wk blo both ops. Rec 3'FO, 70' OCM IF 38-48 FF 55-55 ISI 952 FSI 886				
Estimated Production Per 24 Hours	Oil 6.70 Bbls	Gas N/A MCF	Water 16.80 Bbls	Gas-Oil Ratio N/A CFPB
				Gravity 34.3°

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented
☐ Sold
☐ Used on Lease

☐ Open Hole ☒ Perforation
☐ Other (Specify)

☐ Dually Completed
☐ Commingled

3528-32'
3754-59'
3769-73'
3780-84'

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MAY 10 1955
KANSAS GEOLOGICAL SURVEY
RICHTER BRANCH