

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 # 6393
name Brougher Oil, Inc.
address P.O. Drawer 1367
City/State/Zip Great Bend, Kansas 67530

Operator Contact Person Mr. Joe E. Brougher
Phone 316-793-5610

Contractor: license # 6394
name Mohawk Drilling, Inc.

Wellsite Geologist Mr. Brent B. Reinhardt
Phone 316-793-5610

PURCHASER NCRA

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
10/4/84 10/16/84 11/03/84
Spud Date Date Reached TD Completion Date
4857 (LTD) None
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 461 feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

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

API NO. 15-151-21,486-00-00

County Pratt

NW NW SE Sec 22 Twp 28s Rge 15w East XX West
(location)

2310 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

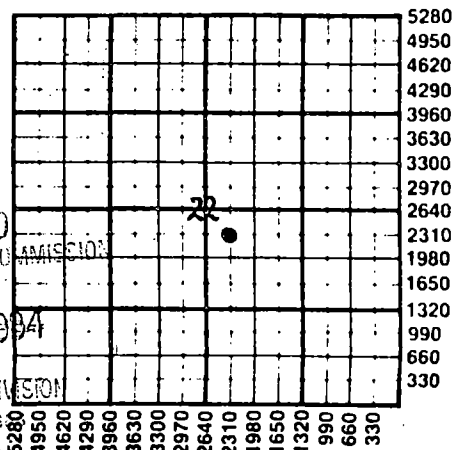
Lease Name Frazier Well# 1

Field Name Cullison West

Producing Formation Kinderhook

Elevation: Ground 2057' KB 2067'

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
NOV 29 1984
CONSERVATION DIVISION
Wichita, Kansas

11-29-1984

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit # T84-719

Groundwater 2970 Ft North From Southeast Corner and
(Well) 2310 Ft. West From Southeast Corner of
Sec 22 Twp 28S Rge 15w East West

Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge 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.

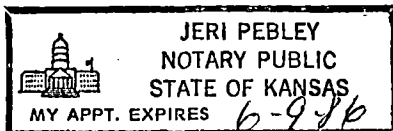
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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 Joe E. Brougher
Title Operator Date 11/28/84

Subscribed and sworn to before me this 28 day of Nov 19 84

Notary Public Jeri Pebley
Date Commission Expires 6-9-86



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)

Sec. 22, Twp. 28, Rge. 15W

SIDE TWO

Operator Name Brougner Oil, Inc Lease Name Frazier Well# 1 SEC. 22 TWP. 28s RGE. 15w 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.

9 Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Drill Stem Test #1 (4150-4192) Lansing "E" - "F"
 TIMES: 45" : 45" : 45" : 45"
 REC: 180' Gas in Pipe
 4' Free Oil
 100' Slight Oil & Gas Cut Mud
 60' Slight Oil Cut Thin Mud
 300' Water
 SIP: 1453#/1434# HP: 2037#/2018#
 FP: 36-209#/209-290# BHT: 123°F

Drill Stem Test #2 (4220-4255) LKC "H" - "I"
 TIMES: 45" : 45" : 45" : 45"
 REC: 130' Slight Oil Cut Mud
 SIP: 1398#/1343# HP: 2092#/2073#
 FP: 36-73#/73-91# BHT: 113°F

Drill Stem Test #3 (4306-4335) LKC "K" zone
 TIMES: 45" : 45" : 45" : 45"
 REC: 30' Gas in Pipe
 90' Slight Oil Cut Mud
 SIP: 816#/725# HP: 2147#/2110#
 FP: 36-55#/55-73# BHT: 112°F

Drill Stem Test #4 (4358-4390) LKC "L" zone
 TIMES: 45" : 45" : 45" : 60"
 REC: GAS TO SURFACE in 27"
 OIL TO SURFACE in 80"
 SIP: 1544#/1544# HP: 2129#/2239#
 FP: 145-562#/363-852# BHT: 114°F

Name	DEPTH Top Bottom	DATUM Bottom
Anhydrite	944	+1123
Base/Anhydrite	964	+1103
Topeka	3568	-1501
Oread	3806	-1739
Heebner	3901	-1834
Toronto	3934	-1867
Douglas	3944	-1877
Brown Lime	4053	-1986
Lansing	4073	-2006
BKC	4434	-2367
Marmaton	4454	-2387
Cherokee Shale	4538	-2471
Cherokee Sand	4542	-2475
Mississippian	NP	NP
Kinderhook Shale	4555	-2488
Kinderhook Sand	4568	-2501
Viola	4638	-2571
Simpson Shale	4713	-2646
Simpson Sand	4736	-2669
Arbuckle	4812	-2745
RTD	4850	-2783
LTD	4857	-2790

Electra Log, Inc.:
 Radiation Guard Log, Compensated
 Density Log.

RELEASED

Continued on Page 2 Side 1)

CASING RECORD <input type="checkbox"/> new <input checked="" type="checkbox"/> used							MAY 29 1986	
Report all strings set - conductor, surface, intermediate, production, etc.							type and percent additives	
Purpose of string	size hole drilled	size casing set (in O.D.)	weight lbs/ft.	setting depth	type of cement	# sacks used	FROM CONFIDENTIAL	
Surface (N)	12 1/4"	8 5/8"	24#	461'	60/40 Poz	300	2% Cel., 3% CC	
Production (N)	7 7/8"	5 1/2"	14#	4849'	60/40 Poz	250	18% Salt, .75% GPR 5# Gilsonite	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record				
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth	
3	4574-4580'			AC: 500 gals (15% HCl) FRAC: 100sks 20/40#, 100sks 10/20#			4580' "	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Date of First Production		size 2 7/8" set at 4637' packer at None						
Date of First Production		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	Gas-Oil Ratio	Gravity			
30	Bbls	NA MCF	1 Bbls	CFPB				
METHOD OF COMPLETION				PRODUCTION INTERVAL				
Disposition of gas: <input type="checkbox"/> vented <input type="checkbox"/> sold <input checked="" type="checkbox"/> used on lease				<input type="checkbox"/> open hole <input checked="" type="checkbox"/> perforation <input type="checkbox"/> other (specify)				
				4574-4580				
				<input type="checkbox"/> Dually Completed <input type="checkbox"/> Commingled				

OPERATOR Brougner Oil, Inc.

LEASE NAME Frazier #1

SEC. 22 TWP. 28s RGE. 15w

FILL IN WELL LOG AS REQUIRED: WELL NO. _____

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
Drill Stem Tests (CONTINUED)				
Drill Stem Test #5 (4390-4420) LKC "M" zone TIMES: 45" : 45" : 60" : 45" REC: GAS TO SURFACE in 27" OIL TO SURFACE in 80" SIP: 1270#/1471# HP: 2184#/2165# FP: 73-73#/73-73# BHT: 115°F				
Drill Stem Test #6 (4532-4553) Cherokee Sand TIMES: 30" : 30" : 30" : 30" REC: 20' Slight Gas Cut Mud SIP: 55#/45# HP: 2239#/2257# FP: 36-36#/36-36# BHT: 115°F				
Drill Stem Test #7 (4561-4581) Kinderhook Sand TIMES: 45" : 45" : 45" : 45" REC: 40' Gas Cut Mud with No Oil Show SIP: 1380#/1434# HP: 2404#/2404# FP: 36-36#/36-55# BHT: 118°F				
Drill Stem Test #8 (4599-4620) Kinderhook TIMES: 30" : 45" : 30" : 45" REC: 10' Slight Gas Cut Mud SIP: 55#/36# HP: 2440#/2385# FP: 27-27#/27-27# BHT: 114°F				
Drill Stem Test #9 (4630-4650) Viola TIMES: 45" : 60" : 45" : 60" REC: GAS TO SURFACE in 22" Stabilized @ 47 MCFG per day 40' Gas Cut Mud SIP: 580#/454# HP: 2367#/2331# FP: 91-91#/27-27# BHT: 119°F				

RELEASED
 Date: MAY 1 1986
 FROM CONFIDENTIAL

NOV 29 1984

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NOV 30 1984

CONFIDENTIAL
 State Geological Survey
 ANCHORAGE BRANCH