

13-6-36W

July

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

SIDE ONE

Compt. pi

Two (2) copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within thirty (30) days after the completion of a well, regardless of how the well was completed.

F Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on Side One will be of public record and Side Two will then be held confidential.

Applications must be made on dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.

C Attach one copy only wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). (Rules 82-2-105 & 82-2-125) KCC# (316) 263-3238. No Log

LICENSE # 6393 EXPIRATION DATE June 30, 1984

OPERATOR Brougher Oil, Inc. API NO. 15-193-20,299

ADDRESS P.O. Drawer 1367 COUNTY Thomas

Great Bend, Ks 67530 FIELD W W M

** CONTACT PERSON Joe E. Brougher PROD. FORMATION Pawnee
PHONE (316)-793-5610

PURCHASER National Cooperative Refinery Assn. LEASE Miller "A"

ADDRESS Box 1167 WELL NO. #1

McPherson, Ks 67460 WELL LOCATION C SW NE

DRILLING CONTRACTOR Murfin Drilling Company 1980 Ft. from North line and

ADDRESS 250 North Water, Suite 300 1980 Ft. from East line of ~~XXXX~~
Wichita, Ks 67202 the NE (Qtr.) SEC 13 TWP 6 RGE 36 (W)

PLUGGING CONTRACTOR WELL PLAT (Office Use Only)
ADDRESS KCC
KGS SWD/REP
PLG.

TOTAL DEPTH 4832' PBTD

SPUD DATE 4-07-84 DATE COMPLETED 5-25-84

ELEV: GR 3343 DF 3346 KB 3348

DRILLED WITH ~~SCARDEX~~ (ROTARY) ~~SCARDEX~~ TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE .

Amount of surface pipe set and cemented 388' DV Tool Used? Yes.

THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil Gas, Shut-in Gas, Dry, Disposal, Injection, Temporarily Abandoned, OWWO. Other .

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

A F F I D A V I T

Joe E. Brougher, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.

[Handwritten signature]

FILL IN WELL INFORMATION AS REQUIRED:

WELL NO.

#1

Show all important zones of porosity and contents thereof; cased intervals, and all drill-stem tests, including depth interval tested, casing used, time test 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
Check if no Drill Stem Tests Run.				
DST #1: 4208-4325'			<u>LOG TOPS</u>	
Times: 30:45:30:45			Anhydrite	2975 +373
Rec: 2750' Salt Water			B/Anhydrite	3011 +337
ISIP: 1340 IFP: 254-1126			Tarkio	3869 { -521
FSIP: 1340 FFP: 1126-1280			Topeka	4031 -683
HP: 2288/2231 BHT: 131°F			Heebner	4159 -811
			Toronto	4193 -845
DST #2: 4471-4516'			Lansing	4207 -859
Times: 15:15:15:15			BKC	4464 -111
Rec: 2' Mud			Marmaton	4473 -112
ISIP: 66 IFP: 37-41			Pawnee	4525 -1177
FSIP: 57 FFP: 41-41			Ft Scott	4607 -1259
HP: 2370/2350 BHT: 120°F			Cherokee	4665 -1317
			Conglomerate	4710 -136
DST #3: 4512-4555			Mississippian	4812 -146
Times: 30:45:30:45			RTD	4830 -1482
Rec: 1500' gas in pipe, 1780' clean gassy oil, 464' slight mud cut gassy oil.			LTD	4832 -1484
ISIP: 1093 IFP: 246-630			<u>WELEX, INC.</u>	
FSIP: 1110 FFP: 662-825			Compensated Density Neutron,	
HP: 2411/2386 BHT: 127°F			Gamma Guard Compensated Density	
			Contact Caliper Log,	
			Computer Flap Log	
DST #4: 4562-4600				
Times: 15:15:15:15				
Rec: 5' oil specked mud				
ISIP: 279 IFP: 41-41				
FSIP: 246 FFP: 41-41				
HP: 2386/2369 BHT: 120°F				
DST #5: 4692-4740				
Times: 30:45:30:45				
Rec: 2240' muddy salt water w/ few oil specks.				
ISIP: 1101 HP: 2475/2443 FFP: 996-1059				
FSIP: 1101 IFP: 516-979 BHT: 139°F				
If additional space is needed use Page 2, Side 2				

Report of all strings set — surface, intermediate, production, etc. **CASING RECORD (New) or ~~USED~~**

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface Casing	12 1/2"	8 5/8"		388'	60/40 Pozmix	275	3% C.C., 2% Gel
Production Casing	7 7/8"	5 1/2"		4827'	50/50 Pozmix	250	10% Salt, 2% Gel, .75% CFR2, & 400 sacks Howco Lite

LINER RECORD**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			3		4525-4529

TUBING RECORD

Size	Setting depth	Packer set at			

WELL LOG

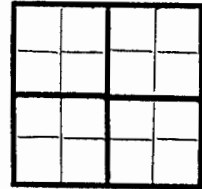
13-6-36w P²

BROUGHER OIL, INC.
 COMPANY P. O. Box 1367
 Great Bend, Kansas 67530
 FARM Miller "A" NO. 1

SEC. 13 T. 6S R. 36W
 LOC. SW NE

RIG. NO. 20
 TOTAL DEPTH 4830'
 COMM. 4-7-84 COMP. 4-18-84

COUNTY Thomas
 KANSAS



CONTRACTOR MURFIN DRILLING COMPANY
 250 North Water, Suite 300
 Wichita, Kansas 67202

CASING
 20 10
 15 8 - 5/8" csg set @ 388' w/275 sx 60-40 Poz, ELEVATION
 12 6 3% CC, 2% Gel
 13 5 - 1/2" csg set @ 4827' w/250 sx 50-50 Poz, PRODUCTION
 10% Salt, 2% Gel, 3/4% CFR2 + 400 sx Howco Lite
 FIGURES INDICATE BOTTOM OF FORMATIONS

CLAY & SAND	280'
SHALE	1640'
SHALE & SAND	2971'
ANHY	3014'
SHALE & SAND	3925'
SHALE & LIME (RTD)	4830'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used		Depth interval treated	
500 Gallons 15% N.E.		4525-4529	
Date of first production	Producing method (Flowing, pumping, gas lift, etc.)	Gravity	
6-06-84	Pumping	40	
Estimated Production -I.P.	Oil	Gas	Water %
140 bbl.	0 bbl.	0 bbl.	0 bbl.
Disposition of gas (vented, used on lease or sold)		Perforations	
		4525- 4529	