

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISIONWELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 6393
Name Brougher Oil, Co.
Address P.O. Drawer 1367
City/State/Zip Great Bend, KS 67530

Purchaser: Texaco Trading
P.O. Box 5568, Denver, Colo.

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

Contractor: License # 6394
Name Mohawk Drilling, Inc. Reg #8

Wellsite Geologist Mr. Larry Bookless
Phone 316-793-8837

Designate Type of Completion

☐ New Well ☐ Re-Entry ☒ Workover

☒ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply etc.)

If OWMO: old well info as follows:

Operator Barnett Drilling Co.
Well Name #1 NAPUE
Comp. Date 12/30/49 Old Total Depth 3738

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

1/15/85 1/19/85 2/15/85
Spud Date Date Reached TD Completion Date
3810 3694
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 180 feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from 1640 feet depth to SURFACE 300 SX cm

API NO. 15-065-01,010

County Graham

NE NE SW Sec. 4 Twp. 9 Rge. 21W ☐ East ☒ West

2310 Ft North from Southeast Corner of Section
2970 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

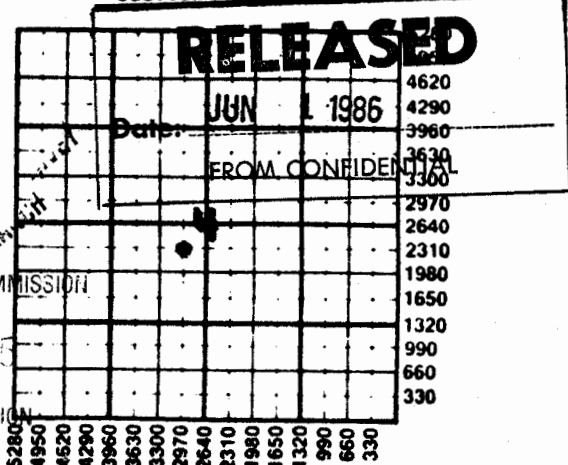
Lease Name NAPUE "OWMO" Well # 1

Field Name Morel

Producing Formation Marmaton TIGHT HOLE
NOT RELEASED

Elevation: Ground 2169 KB 2179

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☐ Disposal
Docket # ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:

Division of Water Resources Permit # NONE

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

☐ Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge ☐ East ☐ West

☐ Other (explain) City of Bogue, Kansas
(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.

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.

SIDE TWO

Operator Name Brougher Oil, Inc. Lease Name NAPUE "OWJOW" Well # 1 SEC 4 TWP 9s RGE 21w ☐ 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 (3675-3738) Arbuckle
 TIMES: 45:60:45:60
 REC: 125' Oil Cut Mud
 SIP: 1043/1078 HP: 2041/2970
 FP: 70-87/87-122 BHT: 110°F

DST #2 (3534-3577) LKC "J"- "L" zones
 Hookwall Straddle (Packer Failure)

DST #3 (3432-3575) LKC "J"- "L" zones
 Hookwall Straddle (Hookwall Failure)

Name	Depth Top	Datum Bottom
Anhydrite	1635	+ 544
Base/Anhydrite	1668	+ 511
Topeka	3119	- 940
Heebner	3329	-1150
Toronto	3353	-1174
Lansing	3370	-1191
BKC	3580	-1401
Marmaton	3616	-1437
Conglomerate	3682	-1503
Arbuckle	3729	-1550
RTD	3810	-1631
LTD	3810	-1631

TUBING RECORD size 2 7/8" set at 3690' packer at None Liner Run ☐ Yes ☒ No

Date of First Production <u>2/27/85</u>	Producing method ☐ flowing ☒ pumping ☐ gas lift ☐ Other (explain)				
Estimated Production Per 24 Hours	Oil <u>25</u> Bbls	Gas MCF	Water <u>10</u> Bbls	Gas - Oil Ratio CFPS	Gravity

Disposition of gas: ☐ vented
☐ sold
☒ used on lease

METHOD OF COMPLETION
☐ open hole ☒ perforation
☐ other (specify)

☐ Dually Completed.
☐ Commingled

PRODUCTION INTERVAL

3669-3681

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	<u>12 1/2"</u>	<u>8.5/8"</u>		<u>180'</u>	<u>(Unknown)</u>		
Production (N)	<u>7.7/8"</u>	<u>5 1/2"</u>	<u>14</u>	<u>3809</u>	<u>E-A-2</u>	<u>200</u>	<u>18% Salt, 5% CC</u>

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
<u>3</u>	<u>3724-3732 (Arb)</u>	<u>AC: 300gals (15% MCA), FU: 1200/48Hrs.</u>	<u>3810</u>
		<u>SWB DWN: Top 200' had SSO, Perm</u>	
		<u>Plug @ 3694'</u>	
<u>3</u>	<u>3669-3681 (Marm)</u>	<u>SWB DWN: GSGO, AC: 750gals (15% Db1</u>	<u>3688</u>
		<u>Strength FE), PRESS: 950#, VAC in 2" (cont.)</u>	