

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 Brouger Oil, Inc.
Address P.O. Drawer 1367
Great Bend, KS 67530
City/State/Zip

Purchaser: Inland Purchasing & Transport Co
Wichita, KS 67202

Operator Contact Person Mr. Joe F. Brouger
Phone 316-793-5610

Contractor: License # 6394
Name Mohawk Drilling, Inc.

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

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
10/3/85 10/10/85 11/7/85
Spud Date Date Reached TD Completion Date
4020 None
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 306 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. 15-065-22,245-00-09
County: Graham
75' W of NW NE SW 4 9s 21w East West

2310 Ft North from Southeast Corner of Section
3705 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

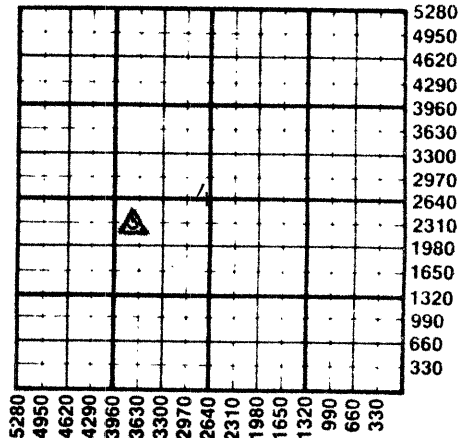
Lease Name: NAPUE Well #: 4

Field Name: Morel

Producing Formation: None: SWDW in ARBUCKLE

Elevation: Ground: 2207 KB: 2217

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # N/A: Pond

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

Surface Water: 1355 Ft North from Southeast Corner (Stream pond etc) 4970 Ft West from Southeast Corner Sec 1 Twp 9s Rge 22w 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.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully completed with and the statements herein are complete and correct to the best of my knowledge.

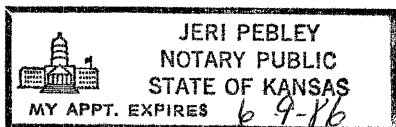
Signature: Brent B. Reinhardt

Title: Company Geologist Date: 12/9/85

Subscribed and sworn to before me this 11 day of Dec 1985

Notary Public: Jeri Pebley

Date Commission Expires: 6-9-86



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

RECEIVED
STATE CORPORATION COMMISSION
DEC 12 1985
12/12/85
CONSERVATION DIVISION
Wichita, Kansas

Form ACO-1 (7-84)

Sec. 4, Twp. 9, Rge. 21w

SIDE TWO

Operator Name Brougher Oil, Inc. Lease Name NAPUE Well# 4 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

No DST's Taken

Name	Formation Description		DATUM
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	
	DEPTH		
Anhydrite	1685		+ 532
Base/Anhydrite	1715		+ 502
Howard	3115		- 898
Topeka	3161		- 944
Oread	3317		-1100
Plattsmouth	3340		-1123
Heebner	3374		-1157
Toronto	3398		-1181
Lansing	3416		-1199
BKC	3629		-1412
Marmaton	3649		-1432
Ft Scott	3714		-1497
Cherokee Shale	3729		-1512
Arbuckle	3803		-1586
RTD	4020		-1803
LTD	4020		-1803

Welex, Inc.
 Radiation Guard Log, Computer Log,
 Acoustic Cement Bond Log

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 (N)	12 1/4"	8 5/8"	23#	306	60/40 POZ	225	2%Gel, 3%CC
Production (N&U)	7 7/8"	5 1/2"	14#	3865	65/35 POZ	400 &	10%Gel, 18%Salt
					50/50 POZ	125	

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
2	3768-3776 (Cherokee)	AC:500, LD:29BBLs, SWB: 100%Wtr/30'	3808'
2	3716-3720 (Ft Scott)	AC:250, SWB:LD Back, 100%Wtr/60'	3730'
2	3666-3670 (Marmaton)	AC:250, SWB:20' FL/HR, 100%Dead Oil	3680'
2	3585-3590 (LKC "J" zone)	REAC:500, SWB:14BBL/HR w/TR Oil AC:250, SWB:14BBLs/HR 100%Wtr, SSO	3600'

TUBING RECORD

size 2 3/8" set at 3820 packer at 3820

Liner Run Yes No

(SEE CONTINUATION PAGE)

Date of First Production
11/7/85

Producing method flowing pumping gas lift Other (explain) SWDW ONLY

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	Bbls	MCF	Bbls	CFPB	

Disposition of gas: vented
 sold
 used on lease

METHOD OF COMPLETION

open hole perforation
 other (specify)

Dually Completed.
 Commingled

PRODUCTION INTERVAL

SWDW: 3865-4020'

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 Brougner Oil, Inc.
Address P.O. Drawer 1367
Great Bend, KS 67530
City/State/Zip

Purchaser Inland Purchasing & Transport Co
Wichita, KS 67202

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Phone 316-793-5610

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Name Mohawk Drilling, Inc.

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Phone 316-793-5610

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 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If ONNO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
10/3/85 10/10/85 11/7/85
Spud Date Date Reached TD Completion Date
4020 None
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 306 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 cut
5 1/2" Casing set at 3865 and cemented to Surface w/550 sks cement

API NO. 15-065-22,245-00-00
County Graham
75' W of E NW NE SW 4 9s 21w East West

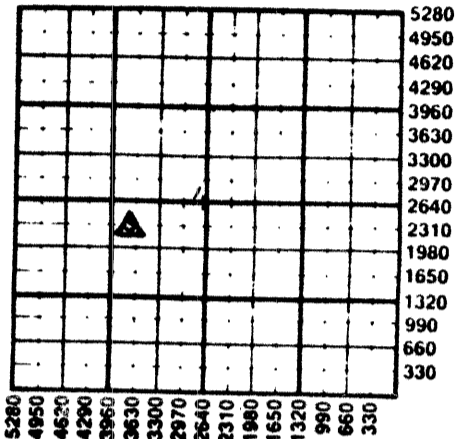
2310 Ft North from Southeast Corner of Section
3705 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name NAPUE Well # 4

Field Name Morel

Producing Formation None: SWDW in ARBUCKLE

Elevation: Ground 2207 KB 2217
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 # N/A: Pond

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

Surface Water 1355 Ft North from Southeast Corner
(Stream pond etc.) 4970 Ft West from Southeast Corner
Sec 1 Twp 9s Rge 22w East West

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

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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 Brent B. Reinhardt

Title Company Geologist Date 12/9/85

Subscribed and sworn to before me this 11 day of Dec 1985

Notary Public Jeri Pebley

Date Commission Expires 6-9-86

JERI PEBLEY
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 6-9-86

RECEIVED
STATE CORPORATION COMMISSION
MAY 14 1986
CONSERVATION DIVISION
Wichita, Kansas

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Sec. A, Twp. 9, Rge. 21W

Operator Name Brougner Oil, Inc. Lease Name NAPUE Well# 4 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

No DST's Taken

Name	Formation Description	
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
	DEPTH	DATUM
	XXXX	XXXX
Anhydrite	1685	+ 532
Base/Anhydrite	1715	+ 502
Howard	3115	- 898
Topeka	3161	- 944
Oread	3317	-1100
Plattsmouth	3340	-1123
Heebner	3374	-1157
Toronto	3398	-1181
Lansing	3416	-1199
BKC	3629	-1412
Marmaton	3649	-1432
Ft Scott	3714	-1497
Cherokee Shale	3729	-1512
Arbuckle	3803	-1586
RTD	4020	-1803
LTD	4020	-1803

Welex, Inc.
 Radiation Guard Log, Computer Log,
 Acoustic Cement Bond Log

CASING RECORD <input 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 (N)	12 1/4"	8 5/8"	23#	306	60/40 POZ	225	2%Gel, 3%CC
Production (N&U)	7 7/8"	5 1/2"	14#	3865	65/35 POZ	400 &	10%Gel, 18%Salt
					50/50 POZ	150	

PERFORATION RECORD			Acid, Fracture, Shot, Cement Squeeze Record	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth	
2	3768-3776 (Cherokee)	AC: 500, LD: 29BBLs, SWB: 100%WTR/30'	3808'	
2	3716-3720 (Ft. Scott)	AC: 250, SWB: LD Back, 100%Wtr/60'	3730'	
2	3666-3670 (Marmaton)	AC: 250, SWB: 20' FL/HR, 100%Dead Oil	3680'	
2	3585-3590 (LKC "J" zone)	REAC: 500, SWB: 14BBL/HR w/TR Oil	3600'	
		AC: 250, SWB: 14BBLs/HR, 100%WTR, SSO		

TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
size	set at	packer at			
2 3/8"	3820	3820			

Date of First Production	Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input checked="" type="checkbox"/> Other (explain) SWDW ONLY				
11/7/85	Oil	Gas	Water	Gas - Oil Ratio	Gravity
Estimated Production Per 24 Hours	Bbls	MCF	Bbls	CFPS	

METHOD OF COMPLETION

Disposition of gas: vented
 sold
 used on lease

open hole perforation
 other (specify)
 Dually Completed.
 Commingled

PRODUCTION INTERVAL

SWDW: 3865-4020'

CONTINUATION PAGE for ACO-1

Brougher Oil, Inc.
 #4 NAPUE
 75' West of NW NE SW
 Sec 4-9s-21w
 Graham County, KS
 API #: 15-065-22,245

COMPLETION INFORMATION (cont.)

SHOT/FOOT	PERFORATION RECORD	ACID, FRACTURE, SHOT, CEMENT SQZ, DEPTH.
2	3585-3590 (LKC "J" ZONE)	REAC:250gals, SWB: 1.5BBL/HR 5%Oil. 3600'
2	3498-3502 (LKC "G" ZONE)	AC:250gals, SWB: 100' FL/30", Trace Oil, Checked overnight 3515' FU: 1300', 100% WIR
OPEN HOLE	3865-4020	AC:2000gals (15%NE) 4020'
COMPLETED AS A SWDW 11/7/85, MECHANICAL INTEGRITY TEST COMPLETE: 10/23/85		

RECEIVED
 STATE CORPORATION COMMISSION
 DEC 12 1985
 CONSERVATION DIVISION
 Wichita, Kansas



JOE E. BROUGHER, President

614 PATTON ROAD P.O. DRAWER 1367
GREAT BEND, KANSAS 67530
PHONE (316)793-5610

DECEMBER 16, 1985

KANSAS CORPORATION COMMISSION
CONSERVATION DIVISION
200 COLORADO DERBY BUILDING
WICHITA, KANSAS 67202

RE: BROUGHER OIL, INC.
#4 NAPUE
75' W OF NW NE SW
SECTION 4-9s-21w
GRAHAM COUNTY, KS
API#: 15-065-22,245

CORRECTION TO ACO-1 AND U-1 FORMS

PLEASE CHANGE THE AMMOUNT OF CEMENT USED ON THE 5 1/2" PRODUCTION CASING FROM 525 SACKS TO 550 SACKS AS PER THE HALLIBURTON INVOICE TICKET 097383 ENCLOSED. THIS CHANGE IS TO BE MADE TO THE ABOVE REFERENCED WELL.

SINCERELY YOURS,

Brent B Reinhardt

BRENT B. REINHARDT
COMPANY GEOLOGIST

CC: ACO-1 CLERK ←
U-1 CLERK
BEE (UIC GEOLOGIST)

RECEIVED
STATE CORPORATION COMMISSION

DEC 17 1985

CONSERVATION DIVISION
Wichita, Kansas