

SIDE ONE

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

Operator Contact Person Mr. Joe E. Brougner  
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  SMD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If ONMO: old well info as follows:

Operator .....  
Well Name .....  
Comp. Date ..... Old Total Depth.....

WELL HISTORY

Drilling Method:

Mud Rotary  Air Rotary  Cable

..... 6/13/85 ..... 6/20/85 ..... 7/08/85  
Spud Date Date Reached TD Completion Date

..... 3760 ..... None  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 331 feet  
Multiple Stage Cementing Collar used?  Yes  No  
If yes, show depth set 1700 feet  
If alternate 2 completion, cement circulated  
from 1700 feet depth to Surface, 250 SK cut

API NO. 15-065-22,194-00-20  
County Graham  
C N/2 SE SW Sec 4 Twp 9S Rge 21W  East  West

990 Ft North from Southeast Corner of Section  
3300 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

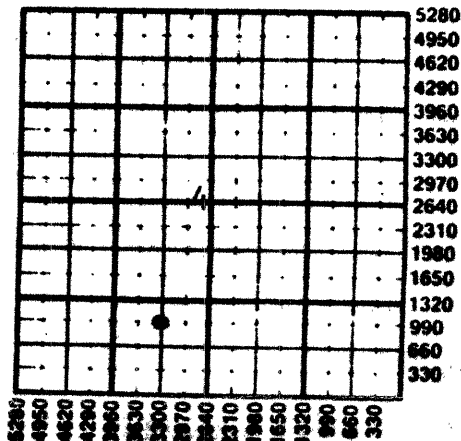
Lease Name CLARK Well # 1

Field Name Morel

Producing Formation Artuckle

Elevation: Ground 2193 KB 2203

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 990 Ft North from Southeast Corner  
(Stream, pond etc.) 660 Ft West from Southeast Corner  
Sec 4 Twp 9S Rge 21W  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 complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Brent B. Reinhardt  
Title Brent B. Reinhardt Date 10/17/85  
Company Geologist

Subscribed and sworn to before me this 17 day of Oct  
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  SMD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

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

STATE CORPORATION COMMISSION  
MAY 14 1986  
Wichita, Kansas

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

**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

Name	DEPTH feet	DATUM feet
Anhydrite	1663	+540
Base/Anhydrite	1694	+509
Howard	3104	-901
Topeka	3151	-948
Oread	3307	-1104
Plattsmouth	3329	-1126
Heebner	3364	-1161
Toronto	3387	-1184
Lansing	3405	-1202
BKC	3616	-1413
Marmaton	3638	-1423
Ft Scott	3711	-1508
Cherokee Shale	3714	-1511
Arbuckle	3723	-1520
RTD	3760	-1557
LTD	3760	-1557

DST #1 (3430-3510) Lansing "D" - "G"  
TIMES: 45'45'45'45"  
REC: 540' MW  
SIP: 969/933 HP: 1793/1793  
FP: 37-184/184-275 BHT: 101°F

DST #2 (3555-3610) Lansing "J" - "K"  
TIMES: 30'30'30'30"  
REC: 50' Mud  
SIP: 913/967 HP: 1886/1886  
FP: 55-55/55-55 BHT: 98°F

DST #3 (3671-3725) Marmaton - Cherokee  
TIMES: 30'30'30'30"  
REC: 40' Mud  
SIP: 37/37 HP: 1940/1940  
FP: 18-18/18-18 BHT: 100°F

DST #4 (3715-3760) Arbuckle  
TIMES: 45'45'45'45"  
REC: 30' Clean Oil  
64' OCM  
310' HO&GCM  
SIP: 1132/1132 HP: 1978/1978  
FP: 55-110/110-183 BHT: 102°F

Welex, Inc.  
Radiation Guard Log, Computer Analyzed Log.

CASING RECORD <input type="checkbox"/> new <input checked="" 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 (U)	12 1/4"	8 5/8"	28	331	60/40 POZ	250	2%Gel, 3%CC
Production (U)	7 7/8"	5 1/2"	14	3755	50/50 POZ	715	18%Salt, 2%Gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			Depth
shots per foot				(amount and kind of material used)			
specify footage of each interval perforated				AC: 250 gals 15%Fe, SWB 10bbls/Hr.			3755-60
None				50% Oil			
TUBING RECORD size 2 1/2" set at 3757 pecker at None							
Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
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)					
7/3/85							
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
25		None	None	300			
		Bbls	MCF	Bbls	CFPB		
METHOD OF COMPLETION						PRODUCTION INTERVAL	
<input checked="" type="checkbox"/> open hole <input type="checkbox"/> perforation						3755-3760 (Arbuckle)	
<input type="checkbox"/> other (specify)							
Disposition of gas: <input type="checkbox"/> vented <input type="checkbox"/> sold <input type="checkbox"/> used on lease							
<input type="checkbox"/> Dually Completed <input type="checkbox"/> Commingled							

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

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ACO-1 WELL HISTORY

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 Gas  Inj  Delayed Comp.  
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Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
6/13/85 6/20/85 7/03/85  
Spud Date Date Reached TD Completion Date  
3760 None  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 331 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. 15-065-22,194-00-00  
County Graham  
C N/2 SE SW Sec 4 Twp 9S Rge 21W  East  West

990 Ft North from Southeast Corner of Section  
3300 Ft West from Southeast Corner of Section  
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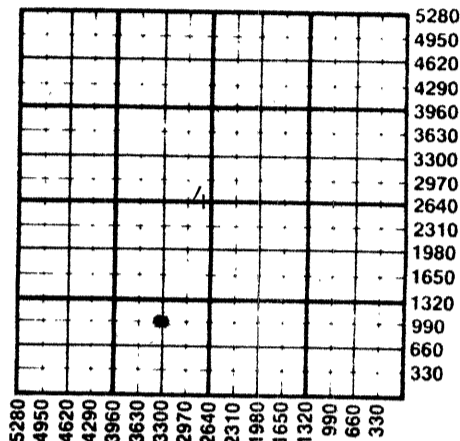
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Producing Formation Arbuckle

Elevation: Ground 2193 KB 2203

Section Plat



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Docket #

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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 990 Ft North from Southeast Corner (Stream, pond etc.) 660 Ft West from Southeast Corner Sec 4 Twp 9S Rge 21W  East  West

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

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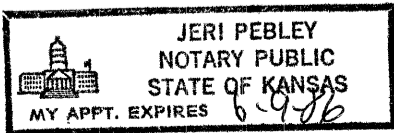
Title Brent B. Reinhardt Date 10/17/85  
Company Geologist

Subscribed and sworn to before me this 17 day of Oct 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 Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)



RECEIVED STATE CORPORATION COMMISSION FORM ACO-1 (7-84)  
10/30/85  
OCT 30 1985

SIDE TWO

Operator Name Brougner Oil, Inc. Lease Name CLARK 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

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 310' HO&GCM  
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 FP: 55-110/110-183 BHT: 102°F

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	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	
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	<del>Top</del>	<del>Bottom</del>	
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shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
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TUBING RECORD size 2 1/2" set at 3757 packer at None				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
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)						
7/3/85							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	25	None	300				
	Bbls	MCF	Bbls	CFPB			

Disposition of gas:  vented  sold  used on lease

METHOD OF COMPLETION  open hole  perforation  other (specify) .....

PRODUCTION INTERVAL 3755-3760 (Arbuckle)

Dually Completed.  Commingled