

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 Mobil Oil Corp.

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

Contractor: License # 6394
Name Mohawk Drilling, Inc.

Wellsite Geologist Mr. Jerry Green
Phone 913-625-9023

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SMD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
7/23/85 7/31/85 8/12/85
Spud Date Date Reached TD Completion Date
3600 3370
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 420 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. 15-009-23,926

County Barton

C N/2 N/2 SW Sec 33 Twp 16s Rge 11w East West

2310 Ft North from Southeast Corner of Section
3960 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

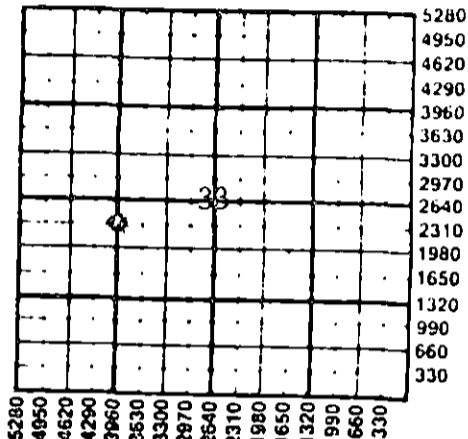
Lease Name HARZMAN Well # 5

Field Name Kraft-Prusa

Producing Formation Arbuckle

Elevation: Ground 1899 KB 1909

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 # None

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

Surface Water 5150 Ft North from Southeast Corner (pond) etc 3960 Ft West from Southeast Corner Sec 5 Twp 17S Rge 11w 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 Company Geologist Date 10/30/85

Subscribed and sworn to before me this 30 day of Oct 1985

Notary Public Jeri Pebley

Date Commission Expires 6-9-86

JERI PEBLEY
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. 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)

Form ACO-1 (7-84)
STATE CORPORATION COMMISSION

OCT 31 1985

10-31-85

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

DST #1 (2945-3050) Toronto, Douglas
 TIMES: 45'45"45'45"
 REC: 40' G&SOCM
 SIP 166/148 HP: 1558/1548
 FP: 74-83/83-93 BHT: 95°F

DST #2 (3056-3106) Lansing "A" - "D"
 TIMES: 45'45"45'45"
 REC: GTS in 15" (stabilized at 6.39mcf)
 120' HGC & SOCM
 120' O & HGCM
 180' HO & GCM
 60' HO & CMIM
 30' GW
 SIP: 814/805 HP: 1633/1614
 FP: 74-139/122-139 BHT: 96°F

DST #3 (3104-3165) LKC "E" - "G"
 TIMES: 45'45"45'45"
 REC: 300' GIP
 130' HO & GCM
 60' HG & SOCM
 60' HGC & SOCTM
 90' GMW
 SIP: 644/627 HP: 1686/1653
 FP: 41-136/136-203 BHT: 95°F

DST #4 (3328-3341) Arbuckle
 TIMES: 45'45"45'45"
 REC: 120' GIP
 60' CGO
 300' WO
 360' OCW
 900' GOW
 300' SOCGW
 420' W
 SIP: 1082/1082
 FP: 85-728/745-931
 HP: 1786/1736
 BHT: 103°F

Name	Formation Description	
	DEPTH <input checked="" type="checkbox"/> Top <input checked="" type="checkbox"/> Bottom	DATUM <input checked="" type="checkbox"/> Top <input checked="" type="checkbox"/> Bottom
Topeka	2660	-751
Heebner	2950	-1041
Toronto	2968	-1059
Douglas Sand	2998	-1089
Brown Lime	3046	-1137
Lansing	3058	-1149
BKC	3328	-1419
Arbuckle	3330	-1421
Reagan Sand	3491	-1582
Granite Wash	3524	-1615
RTD	3600	-1691
LTD	3598	-1689

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

RELEASED

DEC 11 1986

DST #5 (3086-3097) Lower Arbuckle
 TIMES: 45'45"45'45"
 REC: 798' SW
 SIP: 1086/1086 HP: 1744/1744
 FP: 20-299/239/368 BHT: N/A

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"	24	420	60/40 POZ	235	3%CC
Production (U)	7 7/8"	5 1/2"	14	3585	50/50 POZ	275	18%Salt, 75%CFR2
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	3331-3333 (Arbuckle)			AC:250gals. 15%Fe.SWB; 1.67bbls. (8%)		3370'	
4	3333-3339 (Arbuckle)			REAC; 750gals. 15%Ne. & 7.Balls., SWB; 34bbls. (15%) in 30'		3370'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method					
8/12/85		<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 Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity		
108		None	1692				

Disposition of gas: vented sold used on lease
 METHOD OF COMPLETION: open hole perforation other (specify) _____
 PRODUCTION INTERVAL: 3331-3333, 3333-3339 (Arbuckle)
 Dually Completed. Commingled