

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

19-25-13W Compt.

TYPE
SIDE ONE

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.

LICENSE # 6393 EXPIRATION DATE June 30, 1984

OPERATOR Broucher Oil, Inc. API NO. 15-185-21,870

ADDRESS P.O. Drawer 1367 COUNTY Stafford

Great Bend, KS 67530 FIELD Kachelman Ext

** CONTACT PERSON Joe E. Broucher PROD. FORMATION Simpson Sand
PHONE (316) 793-5610

PURCHASER Inland Crude Purchasing Corporation LEASE BUNKER

ADDRESS 200 Douglas Bldg. WELL NO. #1

Wichita, Kansas 67202 WELL LOCATION C/2 NE NE

DRILLING Mohawk Drilling, Inc. 660 Ft. from North Line and

CONTRACTOR CONTRACTOR ADDRESS P.O. Drawer 1367 330 Ft. from East Line of

Great Bend, KS 67530 the NE/4 Qtr.) SEC 19 TWP 25 RGE 13 (W)

PLUGGING CONTRACTOR CONTRACTOR ADDRESS

WELL PLAT

(Office Use Only)

			○
		19	

KCC
KGS
SWD/REP
PLG.

TOTAL DEPTH 4365' PBTD

PUD DATE 10-9-83 DATE COMPLETED 11-8-83

ELEV: GR 1954' DF 1961' KB 1964'

DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS.

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

Amount of surface pipe set and cemented 421' DV Tool Used?

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. Broucher, 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.

Joe E. Broucher

OPERATOR BROUGHER OIL, INC. LEASE BUNKER

SEC. 19 TWP. 25 RGE. 13 (W)

W&I - 25 - P
 FILE IN WELL INFORMATION AS REQUIRED: WELL NO. #1

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool 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	DATU
Check if no Drill Stem Tests Run.			FORMATION	LOG DEPTH	DATU
<u>DRILLERS' WELL LOG</u>			Anhydrite	832'	+113
			Heebner	3530'	-156
Sand	0'	210'	Toronto	3549'	-158
Red Bed Shale	210'	423'	Douglas	3568'	-160
Shale	423'	671'	Brown Lime	3685'	-172
Red Bed	671'	835'	Lansing	3714'	-175
Anhydrate	835'	853'	Base/KC	3996'	-203
Shale	853'	1740'	Conglomerate	4049'	-208
Shale w/Lime	1740'	2055'	Mississippi	4097'	-213
Shale w/Lime	2055'	2406'	Kinkerhook	4120'	-215
Lime & Shale	2406'	2780'	Viola	4188'	- 2
Lime & Shale	2780'	3100'	Simpson Sand	4249'	-228
Shale	3100'	3381'	Arbuckle	4312'	-234
Lime	3381'	3560'	L.T.D.	4367'	-240
Lime & Shale	3560'	3760'			
Lime & Shale	3760'	3880'			
Lime & Shale	3880'	3910'			
Lime	3910'	4000'			
Lime - Chert	4000'	4075'			
Lime - Chert	4075'	4140'			
Lime	4140'	4227'			
Simpson Sand	4227'	4258'			
Simpson Sand	4258'	4273'			
Lime	4273'	4325'			
Arbuckle	4325'	4365'			
RTD		4365'			

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	Socks	Type and percent additives
Surface	12-1/4"	(New) 8-5/8"	28#	421'	Common	300	60/40 Pozmix, 3%CC, 2% Gel
Production	7-7/8"	5-1/2"	14#	4364'	Common	175	50/50 Pozmix, 2% Gel 18% salt, .75 CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Socks cement	Shots per ft.	Size & type	Depth interval
			2 holes per/ft.		4250' - 4260'

TUBING RECORD

Size	Setting depth	Pecker set at
2-3/8"	4300'	

OPERATOR BROUGHER OIL, INC. LEASE NAME BUNKER

SEC. 19 TWP. 25 RGE. 13W (E) (W)

FILL IN WELL LOG AS REQUIRED: WELL NO. #1

Show all important zones of porosity and contents thereof; core intervals, and all drill-stem tests, including depth interval tested, cushion used, time test open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOSS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.				
<u>TORONTO SECTION</u> Limestone, tan, finely crystalline, slightly fossiliferous, poor visible porosity, no shows.	3549'	3560'		
<u>LANSING SECTION</u> Limestone, white to gray, fossiliferous, finely crystalline, cherty, dense, no shows	3716'	3720'		
Limestone, white to gray, poorly developed suboocastic porosity, slightly chalky, no shows	3738'	3746'		
Limestone, white to gray to tan, sub-oocastic, slightly chalky, trace of spotty brown stain, no shows of free oil or odor in fresh samples	3756'	3764'		
Limestone, cream to white, slightly fossiliferous, scattered vugular type porosity, light brown to golden brown stain, no show of free oil or odor in fresh samples	3773'	3778'		
Limestone, cream to gray, finely crystalline, slightly dolomitic, scattered porosity, no shows	3795'	3803'		
Limestone, as immediately above; Plus: trace of gray fossiliferous chert, no shows	3811'	3821'		
Limestone, cream to gray, finely crystalline, slightly sub-oocastic, no shows of oil	3824'	3836'		
Limestone, gray, chalky, scattered sub-oocastic porosity, poor light brown stain, show of free oil, heavy black, no odor in fresh samples	3849'	3853'		
Limestone, gray to tan, fossiliferous, poorly developed porosity, no shows	3868'	3873'		
Limestone, white, oolitic, chalky, trace of dark brown stain, trace of free oil, no odor in fresh samples; Plus; limestone, tan, oolitic, cherty, dense	3880'	3885'		
<u>DRILL STEM TEST #1</u>	3842'	3910'		
Open: IF 45" FF 45"				
Blow: Strong Recovery: 180' mud, 60' thin mud, 180' gassy muddy water Pressures: ISIP 1173, psi (45) FSIP 1143 psi (45); IFP 80-200 psi FFP 200-280 psi; HSH 2033-2023 psi				
Limestone, cream to white, oolitic, scattered golden brown stain, no show of free oil or odor in fresh samples	3928'	3934'		
Limestone, gray, sub-oocastic, poorly developed porosity, questionable light brown stain, one piece slight show of free oil and no odor in fresh samples	3944'	3949'		
Limestone, cream, fossiliferous, oolitic, chalky, dull gray to brown stain, trace of free oil and no odor in fresh samples	3955'	3964'		
Limestone, tan to gray, fossiliferous, cherty, spotty questionable light brown stain, no show of free oil or	3982'	3986'		

RECEIVED
STATE CORPORATION COMMISSION

NOV 18 1983

CONSERVATION DIVISION
Wichita, Kansas

FILL IN WELL LOG AS REQUIRED: WELL NO. #1

Show all important zones of porosity and contents thereof; core intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool 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
odor in fresh samples				
<u>CONGLOMERATE SECTION</u>				
Chert, white to gray, boney, scattered black stain, poor visible porosity; Plus; limestone, white cherty dense, scattered black to dark brown gilsonitic stain, no show of free oil or odor in fresh samples.	4058'	4072'		
Chert, white, boney, scattered black gilsonitic stain, increase in orange to red opaque conglomeritic type cherts: Plug: abundant blood red shales and clays, no shows	4072'	4096'		
<u>MISSISSIPPIAN SECTION</u>				
Chert, tan to gray, boney, trace of black gilsonitic stain, semi-tripolitic chert with dark black gilsonitic stain and saturation, no show of free oil or odor in fresh samples	4097'	4104'		
Chert, white to gray to tan, boney blocky scattered brown to black stain, show of free oil, no odor in fresh samples	4109'	4118'		
<u>DRILL STEM TEST #2</u>				
Open: IF 45"; FF 45" Blow: Strong Recovery: 2912' gas in pipe, 50' heavy oil and gas cut mud, 118' gas cut muddy oil, 10' clean gassy oil Pressures: ISIP 856 psi (45); FSIP 777 psi (45); IFP 60-80 psi; FFP 80-100 psi; HSH 2180-2180 psi	4098'	4140'		
<u>KINDERHOOK SECTION</u>				
Chert, gray, opaque: Plus; purplish gray shales, limestone, rose to green tinted, cherty dense, no shows.	4131'	4144'		
Sand, medium grained, poorly sorted, quartzitic, abundant secondary quartz, scattered porosity, trace light brown stain, show of free oil and no odor in fresh samples	4150'	4153'		
Gray to green rusty brown shale, plus traces of vari-colored chert, no shows	4155'	4174'		
Chert, white to gray, opaque, trace of white boney chert, scattered spotty black stain, no show of free oil or odor in fresh samples	4174'	4188'		
<u>VIOLA SECTION</u>				
Chert, gray, tripolitic, fair porosity, few pieces scattered vugular to pin-point porosity, good dark brown to black stain, show of free oil (gassy) and fair odor in fresh samples	4188'	4200'		
Chert, as immediately above; Plus: limestone tan, cherty, scattered pin-point porosity, fair brown to golden brown stain, trace of free oil, no odor in fresh samples	4200'	4210'		

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OPERATOR BROUGHNER OIL, INC. LEASE NAME BUNKER

SEC. 19 TWP. 25 RGE. 13W (1)

FILL IN WELL LOG AS REQUIRED: WELL NO. #1

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool 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
Chert, tan, dolomitic, fair pin-point porosity, good stain and saturation, fair show of free oil and fair odor in fresh samples	4210'	4224'		
<u>DRILL STEM TEST #3</u> Open: IF 45"; FF 45" Blow: Strong, gas to surface in 2½ hours Recovery: 2760 fluid (300' heavy oil and gas cut mud)(120' oil and gas cut muddy water, 15% water 10% oil, 25% mud, 50% gas)(360' gas cut watery oil, 30% oil, 30% water 40% gas)(480' gas cut watery oil, 40% oil, 30% water, 30% gas)(240' gas cut watery oil, 45% oil, 22% water, 33% gas)(180' gas cut watery oil, 10% gas, 37% water, 53% oil) (120' gas cut watery oil, 10% gas, 37% water, 53% oil) (240' gas cut watery oil, 25% gas, 30% water, 45% oil) (180' gas cut watery oil, 33% water, 20% gas, 47% oil) (540' water with show of oil, 98% water, 2% oil) Pressures: ISIP 1094 psi (45) FSIP 1094 psi (45) IFP 359-935 psi FFP 955-1054 psi HSH 2240-2220 psi	4186'	4227'		
<u>SIMPSON SECTION</u> Dolomite, white to gray, fine to medium crystalline, fair to good inter-crystalline to vugular type porosity, good spotty brown stain and saturation, fair show of free oil and fair odor in fresh samples; Plus: sand, gray to white, medium grained, highly dolomitic, well rounded, good light brown to golden brown stain, show of free oil (gassy), and good odor in fresh samples	4249'	4268'		
<u>DRILL STEM TEST #4</u> Open: IF 45"; FF 45" Blow: Strong, gas to surface in 80 min. Recovery: 2220 muddy gassy oil Pressures: ISIP 886 psi (45) FSIP 797 psi (45) IFP 60-658 psi FFP 658-797 psi HSH 2020-2020 psi	4222'	4273'		
<u>ARBUCKLE SECTION</u> Dolomite, tan to gray, sandy, cherty dense no shows. Dolomite, tan to gray to pink, finely crystalline, cherty, dense, no shows. Dolomite, tan, finely crystalline, cherty, dense; Plus: chert, tan to gray slightly oolitic, poor visible porosity, no shows Dolomite, tan to cream, cherty, dense, scattered inter-crystalline porosity, no shows Dolomite, cream to tan, fine to medium crystalline, fair to good inter-crystalline porosity, no shows	4312'	4320'		
	4320'	4326'		
	4326'	4336'		
	4338'	4350'		
	4350'	4367'		
RTD		4365'		
LTD		4367'		

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NOV 18 1983
CONSERVATION DIVISION
Wichita, Kansas

Datum -2401
-2403

DRILLERS' WELL LOG

WICHITA BRANCH

BROUGHER OIL, INC.

BUNKER #1

C/2 NE NE Section 19-25-13 W

Stafford County, Kansas

DATE COMMENCED: 10- 9-83

DATE COMPLETED: 10-18-83

ELEVATION: 1954 G.L.

SURFACE PIPE: 8 5/8" Casing set @421',
cemented w/300 sacks 60/40 pozmix,
2% Gel, 3% cc.

PRODUCTION CASING: 5½" Casing set @4364',
cemented w/175 sacks 50-50 pozmix, 2% gel,
18% salt, .75 CFR-2.

- 0 - 210' Sand
- 210 - 423' Red Bed Shale
- 423 - 671' Shale
- 671 - 835' Red Bed
- 835 - 853' Anhydrate
- 853 - 1740' Shale
- 1740 - 2055' Shale w/lime
- 2055 - 2406' Shale w/lime
- 2406 - 2780' Lime & Shale
- 2780 - 3100' Lime & Shale
- 3100 - 3381' Shale
- 3381 - 3560' Lime
- 3560 - 3760' Lime & Shale
- 3760 - 3880' Lime & Shale
- 3880 - 3910' Lime & Shale
- 3910 - 4000' Lime
- 4000 - 4075' Lime - Chert
- 4075 - 4140' Lime - Chert
- 4140 - 4227' Lime
- 4227 - 4258' Simpson Sand
- 4258 - 4273' Simpson Sand
- 4273 - 4325' Lime
- 4325 - 4365' Arbuckle
- 4365' RTD

A F F I D A V I T

STATE OF KANSAS)
COUNTY OF BARTON) ss.

Viann Brougher of lawful age, does swear and state that the facts and statements herein are true and correct to the best of her knowledge.

Viann Brougher

Subscribed and Sworn to before me this 24th day of October, 1983.