

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

Compt. _____

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 X 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. No Log

LICENSE # 6393 EXPIRATION DATE June 30, 1984

OPERATOR Brouger Oil, Inc. API NO. 15-185-21,915-0000

ADDRESS P.O. Drawer 1367 COUNTY Stafford

Great Bend, Ks 67530 FIELD Kachelman Ext.

** CONTACT PERSON Joe E. Brouger PROD. FORMATION Simpson Sand
PHONE 316-793-5610

PURCHASER Inland Crude LEASE Garner "A"

ADDRESS 200 Douglas Bldg WELL NO. #1

Wichita, Ks 67202 WELL LOCATION NW SW NW

DRILLING Mohawk Drilling, Inc. 1650 Ft. from North Line and

CONTRACTOR CONTRACTOR 330 Ft. from West Line of

ADDRESS P.O. Drawer 1362 the NW/4Qtr.) SEC 20 TWP 25 RGE 13 (W).

Great Bend, Ks 67530

PLUGGING CONTRACTOR WELL PLAT (Office Use Only)

ADDRESS KCC

KGS

SWD/REP _____

PLG. _____

TOTAL DEPTH 4363' PBDT

SPUD DATE 1-25-84 DATE COMPLETED 2-2-84

ELEV: GR 1951 DF 1958 KB 1961

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 374' DV Tool Used? No

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

_____, 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. Brouger
(Name)

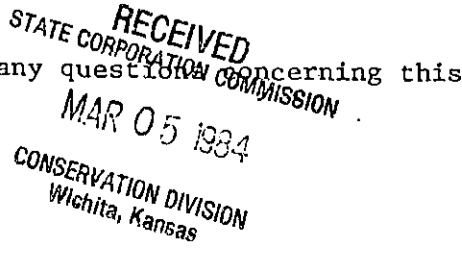
SUBSCRIBED AND SWORN TO BEFORE ME this 1 day of March, 1984.



Jeri Pebley
(NOTARY PUBLIC)

MY COMMISSION EXPIRES: 6-9-86

** The person who can be reached by phone regarding any question concerning this information.



OPERATOR BROUGHER OIL, INC. LEASE GARNER "A" SEC. 20 TWP. 25 RGE. 13 (W)

FILL 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	
Check if no Drill Stem Tests Run.					
<u>DRILLERS WELL LOG</u>					
			FORMATION	DEPTH	DATUM
Sand & Clay	0	375	Anhydrite	837	+1124
Red Bed	375	837	Heebner	3544	-1583
Anhydrite	837	855	Toronto	3564	-1603
Shale	855	1160	Douglas	3582	-1621
Shale	1160	1880	Brown Lime	3699	-1738
Shale	1880	2256	Lansing	3728	-1767
Shale & Lime	2256	2720	Base/Kansas City	4009	-2048
Shale & Lime	2720	3106	Conglomerate		
Shale	3106	3415	Chert	4071	-2110
Lime & Shale	3415	3715	Mississippi	4129	-2168
Lime	3715	3875	Kinderhook	4148	-2187
Lime & Shale	3875	4000	Viola	4211	-2250
Lime	4000	4105	1st Simpson Sand		
Lime	4105	4150	(8ft.)	4263	-2302
Lime	4150	4158	2nd Simpson		
Lime	4158	4231	Sand (8ft.)	4277	-2316
Lime	4231	4251	Arbuckle	4325	-2364
Lime	4251	4291	Log Total		
Lime	4291	4343	Depth	4362	-2401
Lime	4343	4363			
RTD		4363			

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	Sacks	Type and percent additives
SURFACE CASING	12 1/2"	Used 8 5/8"	28#	374'	Common	275	60/40 Pozmix, 2% Gel 3% C.C.
PRODUCTION CASING	7 7/8"	Used 5 1/2"	14#	4362'	Common	150	50/50 Pozmix, 18% Salt .75% CFR2, 5# Gilsonit per sack

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			3	DP	4264-4270'
			3	DP	4277-4283'

TUBING RECORD

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized w/500 gallons 15% F.E.	4264-4270'
Acidized w/250 gallons D.F. & 2 Gallons Hi-Flo	4264-4270'
Fraced w/20,000 # 20/40 and 10,000# 10/20 Sand	4264-4270' 4277-4283'

Date of first production 2-23-84	Producing method (flowing, pumping, gas lift, etc.) Pumping	Gravity
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Estimated Production -I.P.	Oil 75 bbls.	Gas 0 MCF	Water % 110 bbls.	Gas-oil ratio CFPB
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Disposition of gas (vented, used on lease or sold)

Perforations

DP

OPERATOR BROUGHTER OIL, INC.

LEASE NAME GARNER "A"

SEC. 20 TWP. 25S RGE. 13 (W)

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<u>SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC</u>				
<u>LANSING SECTION</u>				
Limestone: White to gray, fossiliferous, cherty, no shows.	3729'	3735'		
Limestone: Gray, slightly chalky, oolitic, fossiliferous, no shows.	3751'	3759'		
Limestone: Green to tan, slightly fossiliferous, chalky, no shows.	3769'	3777'		
Limestone: Gray, chalky, fossiliferous, no shows.	3788'	3794'		
Limestone: Gray to cream, mealy; Plus: Abundant tan to gray, opaque, oolitic chert.	3809'	3814'		
Limestone: Gray to buff, finely crystalline, oolitic, fossiliferous, slightly dolomitic at base; Plus: trace limestone, white, coarse crystalline, scattered spotty brown stain, no show of free oil or odor in fresh samples.	3825'	3844'		
Limestone: Gray, fossiliferous, cherty, dense.	3862'	3869'		
Limestone: Gray to white, oolitic, slightly chalky, no shows.	3895'	3899'		
Limestone: Gray, finely crystalline, oolitic, slightly dolomitic, no shows.	3910'	3917'		
Limestone: White to gray, finely crystalline, oolitic, fossiliferous, trace of black dead stain, no show of free oil or odor in fresh samples.	3938'	3949'		
Limestone: Cream to gray, oolitic, fossiliferous highly chalky, trace of spotty dull brown stain, no show of free oil or odor in fresh samples.	3969'	3977'		
Limestone: Gray, oolitic, cherty, poor porosity, 100% stain and saturation, trace of free oil and no odor in fresh samples.	3096'	4001'		

OPERATOR BROUGHER OIL, INC. LEASE NAME GARNER "A" SEC. 20 TWP. 25S RGE. 13 (W)

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SHOW GEOLOGICAL MARKERS, LOGS RUN OR OTHER DESCRIPTIVE INFORMATION

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p><u>SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.</u></p>				
<p><u>CONGLOMERATE SECTION</u></p>				
<p>Chert: White to gray, sub-tripolitic scattered porosity, good brown to black stain, weak show of free oil and weak odor in fresh samples. PERFORATE</p>	4071'	4082'		
<p><u>MISSISSIPPI SECTION</u></p>				
<p>Chert: White to gray, boney, trace of light brown stain, no show of free oil or odor in fresh samples PERFORATE</p>	4129'	4134'		
<p>Chert: As immediately above, scattered stain and saturation, trace of free oil and no odor in fresh samples. PERFORATE</p>	4138'	4142'		
<p>Drill Stem Test #1 Open: IFP 45", FFP 45", Blow: Weak Recovery: 50' mud, Pressures: ISIP 119 psi (45"), FSIP 169 psi (45") IFP 50-99 psi, FFP 99-119 psi, HSH 2287-2287 psi.</p>	4097'	4150'		
<p><u>KINDERHOOK SECTION</u></p>				
<p>Vari-colored shale: Plus trace sand, very fine grained, highly shaley, no shows.</p>	4148'	4170'		
<p>Shale: Green to gray, rusty brown; Plus: trace of chert, white to gray, boney, no shows.</p>	4170'	4190'		
<p>Chert: Gray to tan; boney, trace of yellow opaque chert, trace of spotty brown to black stain, no show of free oil or odor in fresh samples.</p>	4197'	4211'		
<p><u>VIOLA SECTION</u></p>				
<p>Chert: White to cream, boney to blocky, slightly dolomitic, scattered semi-tripolitic porosity, fair to good stain and saturation, show of free oil and faint odor in fresh samples. PERFORATE</p>	4211'	4230'		
<p>Chert: White to cream, boney, dolomitic, few pieces 100% stain and saturation, trace of free oil and no odor in fresh samples.</p>	4230'	4250'		

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SHOW GEOLOGICAL MARKERS, LOGS RUN OR OTHER DESCRIPTIVE INFORMATION

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
CAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.		CONT'd		
<p>Drill Stem Test #2: Open: IF 45", FF 45", Blow: Fair, Recovery: 64' gas in pipe, 192' thin gas cut mud, Pressures: ISIP 976 psi (45"), FSIP 898 psi (45"), IFP 39-89 psi, FFP 89-138 psi, HSH 2227-2208 psi.</p>	4204'	4251'		
<p><u>SIMPSON SECTION</u></p>				
<p>Sand: Gray to white, medium grained, highly dolomitic, moderately sorted, fair inter-granular porosity, show of free oil and good odor in fresh samples. PERFORATE</p>	4263'	4272'		
<p><u>SECOND SIMPSON SAND</u></p>				
<p>Sand: White, fine to medium grained, dolomitic, fair itner-granular porosity, fair stain and saturation, fair show of free oil and good odor in fresh samples. PERFORATE</p>	4277'	4285'		
<p>Drill Stem Test #3. Open: IF 45", FF 45", Blow: Weak, building to good, Recovery: 256' gas in pipe, 256' slightly oil and gas cut mud, Pressures: ISIP 545 psi (45"), FSIP 406 psi (45"), IFP 39-99 psi psi, FFP 99-148 psi, HSH 2306-2287 psi.</p>	4252'	4291'		
<p><u>ARBUCKLE SECTION:</u></p>				
<p>Dolomite: Cream to tan, finely crystalline, slightly cherty, few pieces sucrosic, no shows.</p>	4325'	4340'		
<p>Dolomite: Tan to gray, arenaceous, slightly cherty; Plus: Trace of white to gray chert, no shows.</p>	4340'	4350'		
<p>Dolomite: Tan to brown, medium crystalline, good inter-crystalline to vugular type porosity, no shows.</p>	4350'	4362'		
<p>Log Total Depth</p>		4362' (-2401)		