

TYPE P

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

SIDE ONE

21-17-13W ^{Compt.}
DOCKET NO. NP

(Rules 82-3-130 and 82-3-107)

This form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ninety (90) days after the completion of a well, regardless of how the well was completed.

FOR INFORMATION REGARDING THE NUMBER OF COPIES TO BE FILED AND APPLICATIONS REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2), SIDE TWO (2) OF THIS FORM.

F Letter requesting confidentiality attached.

C Attach ONE COPY of EACH wireline log run (i.e. electrical log, sonic log, gamma ray neutron log etc.)***Check here if NO logs were run

PLEASE FILL IN ALL INFORMATION. IF NOT AVAILABLE, INDICATE. IF INFORMATION LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

LICENSE # 5943 EXPIRATION DATE 6-30-85

OPERATOR Boger Brothers Oil, Inc. API NO. 15-009-23,410

ADDRESS 102 N. Walnut COUNTY Barton

Great Bend, Kansas 67530 FIELD

** CONTACT PERSON Mark Boger PROD. FORMATION ARB.
PHONE 316-653-4739 Indicate if new pay.

PURCHASER Clear Creek LEASE Soderstrom-Mauderly

ADDRESS Box 1045 WELL NO. 2

McPherson, KS WELL LOCATION NE/4
RC-KCC

DRILLING CONTRACTOR Allen Drilling Company 990 Ft. from north Line and

ADDRESS Box 1389 660 Ft. from east Line of

Great Bend, Kansas 67530 the NE (Qtr.) SEC 21 TWP 17 RGE 13 (W).

PLUGGING CONTRACTOR

ADDRESS

TOTAL DEPTH 3500' PBTD

SPUD DATE 1-16-84 DATE COMPLETED 1-26-84

ELEV: GR DF KB 1961

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

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

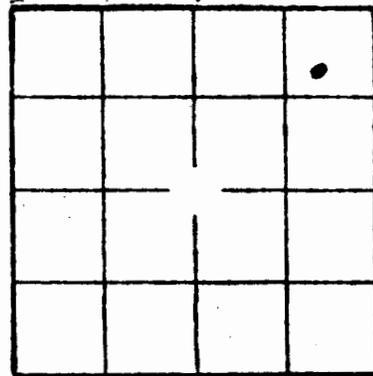
Amount of surface pipe set and cemented 553' DV Tool Used? No

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

WELL PLAT

(Office Use Only)



KCC
KGS
SWD/REP
PLG.
NGPA

Date of first production 2-10-84 Producing method (Flowing, pumping, gas lift, etc.)

Gravity

Estimated Production-I.P. 63 bbls. Gas 100 % Water 0 % Gas-oil ratio 0 bbls. MCF 0 CFPB

Disposition of gas (vented, used on lease or sold)

Side TWO
OPERATOR Boger Brothers Oil, Inc.

Mauderly

LEASE NAME Soderstrom- SEC 21 TWP 17 RGE 13 (W)

WELL NO 2

FILL IN WELL INFORMATION AS REQUIRED:

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.
Check if samples sent Geological Survey.

FORMATION TOPS

Elevation: 1961 K.B. (Boger Bros.). All measure kelly bushing.

Formation	Depth	Sub-sea Datum
Anhydrite	881	(+1080)
Topeka	2820	(- 859)
Heebner	3100	(-1139)
Toronto	3118	(-1157)
Douglas	3128	(-1167)
Brown Lime	3186	(-1225)
Lansing	3197	(-1236)
B.K.C.	3410	(-1449)
Arbuckle	3420	(-1459)
R.T.D.	3500	(-1539)
L.T.D.	3501	(-1540)

DRILL STEM TEST #1: 3030-3055 - Open: Packers did not seat.

DRILL STEM TEST #2: 3040-3055 - Open: 60 min. (30-30-30-30)
Recover: 2' OGCM with few free oil spots, 28' thin watery mud.
30" ISIP: 72 psi. 30" FSIP: 52 psi. 30" IFP: 31 psi. 30" FFP: 41 psi.
Temp. 99.

DRILL STEM TEST #3: 3254-3277 - Open: 90 min. (30-30-60-30) Recover: 2'
sl. OGCM with few oil spots, 175' sl. gas cut water. 30" ISIP: 852 psi.
30" FSIP: 821 psi. 30" IFP: 52-72 psi. 60" FFP: 83-104 psi. Temp. 98.

DRILL STEM TEST #4; 3406-3428 - Open: 60 min. (30-20-30-20) Recover: 310
clean oil, 60' HOCM. 20" ISIP: 1039 psi. 20" FSIP: 1039 psi. 30" IFP: 395.
852 psi. 30" FFP: 894-1008 psi. Temp. 120 (Continued on attached letter head)

If additional space is needed use Page 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	14-3/4"	10-3/4"	35#	560'	50/50 Poz	350 sks	2% Gel, 3% CC
Production	9-1/2"	7"	26#	3499'	50/50 Poz	250 sks	18% Salt, .75%
							CFR-2, 400# Salt for Preflush

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	SSB	3417' - 23'

TUBING RECORD

Size	Setting depth	Packer set at
2 1/2	3460	

RICHARD M. FOLEY
CONSULTING GEOLOGIST
WICHITA, KANSAS

21-17-13W

OFFICE
2831 EAST CENTRAL
316-683-1921
67214

February 08, 1984

RESIDENCE
330 CIRCLE DRIVE
316-685-3813
67218

Boger Bros. Oil, Inc.
102 No. Walnut
Hoisington, Kansas

Re: Boger Bros. Oil, Inc.
Soderstrom-Mauderly #3
890'FNL-1190'FEL of NE/4
Sec.21-17-13W
Barton Co., Kansas

Dear Sirs:

The following report is a compilation of drill time, sample analysis and electric log of the above-captioned well. Samples examined from 2800' to total depth. Well supervised from 3195' to total depth.

CONTRACTOR: Allen Drilling Co. Rig #2
COMMENCED: 01/29/84
COMPLETED: 02/06/84
CEMENTING: HOWCO
MUD: PRO-CHEM; Eng. Geo. Rice.
DRILL STEM TESTS: None
ELECTRIC SURVEYS: Gamma-Neutron-Guard-Caliper.
CASING RECORD:

Surface: 10-3/4 @ 560'/350 sx. 50/50 poz.
Production: 7"x29# @ 3540'/250sx 50/50 poz.
Shoe joint: 34'
Open hole: 360'

FORMATION TOPS
(Electric log)

Elevation: 1973 K.B. (Boger Bros.) All measure kelly bushing)

<u>Formation</u>	<u>Depth</u>	<u>Sub-sea Datum</u>
Anhydrite	898	(+1075)
Topeka	2841	- 868
Heebner	3124	-1151
Toronto	3143	-1170
Douglas	3153	-1180
Brown Lime	3213	-1240
Lansing	3230	-1257
B.K.C.	3437	-1464
Arbuckle	3445	-1472
Granite Wash	3864	-1891
U.T.D.	3901	-1928
R.T.D.	3900	-1927

RECEIVED
STATE CORPORATION COMMISSION

APR 30 1984

APR 13 1984

CONSERVATION DIVISION
Wichita, Kansas

State Geological Survey
WICHITA BRANCH

W&I - P1 - 12

123484

P.

RICHARD M. FOLEY
CONSULTING GEOLOGIST
WICHITA, KANSAS

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ZONES OF INTEREST

RESIDENCE
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Soderstrom #3

Page 2

TOPEKA

3070-3073

Ls., white, soft, chalky, trace poor oocastic to pin-point porosity. Very rare spotty stain, no odor.

TORONTO

3145-3148

Ls., white, soft chalky, to buff fine xln. with rare very light edge stain. No odor. Did not warrant DST.

LANSING

3231-3233

Ls., white, soft, chalky with medium glassy oolites. Tan oolitic chert. No show or odor.

3258-3260

Ls., lt. gray, chalky, trace pin-point porosity with rare stain. Very faint odor.

3274-3276

3278-3281

Ls., white to creamy, fine xln. with pin-point por. Sl fossil in part. Lt. stain, very rare show free oil with faint to fair "trapped" odor. Did not warrant DST.

3301-3303

Ls., tan, poorly formed oolitic-oocastic porosity, sl. chalky. Scattered show free oil, very faint odor. Did not warrant DST.

3318-3324

Ls., white, dense, poorly developed oocastic por. No show.

3354-3358

Ls., white to buff, poor oocastic to poor vuggy por. Scattered lt. stain, faint trapped odor. Did not warrant DST.

3373-3378

Ls., white, soft, chalky. No show.

3382-3387

Ls., white, with few coarse oolites with trace black asphalt residue. Trace gray vuggy ls. with scattered show very thick black oil with very faint odor. Considerable chalk thruout section. Did not warrant DST.

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CONSULTING GEOLOGIST
WICHITA, KANSAS

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ZONES OF INTEREST

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Soderstrom #3

21-17-13w

Page 3

ARBUCKLE

- 3445-3448 Dolo., buff to white, fine xln. tight, good odor with rare lt. stsin.
- 3448-3452 Dolo., buff, medium xln., vuggy porosity, fair show free oil, lt. to dark saturation, good odor. Some white to glassy cherts. Did not DST due to hole condition.
- 3452-3453 Dolo., buff medium xln, dense.
- 3453-3456 Dolo., tan, coarse xln., vuggy porosity, light stain, fair odor.
- 3456-3460 Dolo., buff to tan, dense to xln., trace vuggy porosity, rare stain.
- 3460-3464 Dolo., buff to tan, vuggy porosity, rare stain. Very faint odor.
- 3464-3474 Dolo., tan, fine xln. dense, streaks vuggy porosity.
- 3474-3478 Dolo., lt. tan to white, vuggy porosity. No show.
- 3478-3480 Dolo., lt. tan, fine xln. to dense.
- 3480-3484 Dolo., tan, fine xln., soft. No show.
- 3484-3495 Dolo., white, fine to medium xln., soft chalky.
- 3495-3502 Dolo., white, coarse xln., vuggy porosity. No show.
- 3502-3864 Dolo., white to buff, dense streaks and abundant coarse xln. porosity, some cherts. Becoming sandy in basal section. No shows or odors.

GRANITE WASH

- 3864-3900 Feldspar, pink to shades of red, micaceous with abundant quartz. No show or odor.

RECOMMENDATION

Recommend the Arbuckle be perfed and tested from 3448-3452.

APR 30 1984

Respectfully submitted,

Richard M. Foley
Richard M. Foley