

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 # 6166
Name Bill Chew, Inc.
Address 177 W. Main, P.O. Box 90
City/State/Zip Lyons, KS 67554

*Purchaser PLUGGED

Operator Contact Person Bill Chew
Phone 316-257-5587

Contractor License # 6394
Name Mohawk Drilling, Inc.

Wellsite Geologist The Roxana Corp.
Phone Great Bend, KS

Designate Type of Completion
 New Well Re-Entry Workover
 OH PLUGGED SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)
If OWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
7/28/84 8/2/84 8-16-84
Spud Date Date Reached TD Completion Date
3840
Total Depth PBD
Amount of Surface Pipe Set and Cemented at 340 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

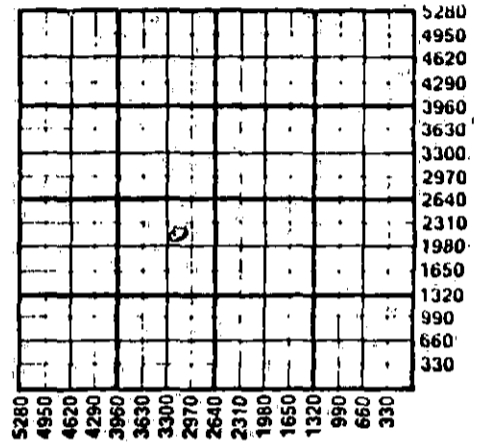
API NO. 15-155-21,002-60-80
County Stafford ~~RENO~~
E/2 SW/4 32 23 10 East West
Sec. Twp. Rge.

2145 Ft North from Southeast Corner of Section
3135 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Barbara Johnson S. Well # 1
Field Name

Producing Formation

Elevation: Ground 1780 KB 1790
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 #
 Groundwater.....Ft North from Southeast Corner (Well)Ft West from Southeast Corner of Sec Twp Rge East West
 Surface Water.....Ft North from Southeast Corner (Stream, pond etc).....Ft West from Southeast Corner Sec Twp Rge 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 W. W. Chew
Title President Date 1/27/86
Subscribed and sworn to before me this 27 day of January 1986
Notary Public Susan Clark
Date Commission Expires 11-3-89

SUSAN CLARK
NOTARY PUBLIC
STATE OF KANSAS

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)

Form ACO-1 (7-84)
JUL 14 1986 7-14-86
CONSERVATION DIVISION
Wichita, Kansas

Sec 21 Rge. 23 W

Operator Name Bill Chew, Inc. Lease Name Barbara Johnson S. Well #1

Sec. 32 Twp. 23 Rge. 10 East West County Stafford Levo

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 Top Bottom

DRILL STEM TEST #1 3330-3350

Open: IF 45
FF 45
Blow: Fair
Recovery: 90' slightly gas cut mud
Pressures: ISIP 140 psi (45")
FSIP 140 psi (45")
IFP 30-60 psi
FFP 80-100 psi

DRILL STEM TEST #4 3680-3718

Open: IF 30
FF 30
Blow: Strong
Recovery: 1790' water
Pressures: ISIP 817 psi (30")
FSIP 817 psi (30")
IFP 200-797 psi
FFP 797-817 psi

DRILL STEM TEST #2 3611-3650

Open: IF 45
FF 45
Blow: Fair
Recovery: 124' oil and gas cut mud
Pressures: ISIP 747 psi (45")
FSIP 707 psi (45")
IFP 40-60 psi
FFP 100-100 psi

LL STEM TEST #5 3771-3780

n: IF 45
FF 45
w: Fair
Recovery: 124' gas in pipe
5' clean oil
60' water with good s.
Pressures: ISIP 817 psi (45")
FSIP 817 psi (45")
IFP 20-40 psi
FFP 60-80 psi

DRILL STEM TEST #3 3658-3678

Open: IF 45
FF 45
Blow: Strong
Recovery: 1790' water
Pressures: ISIP 796 psi (45")
FSIP 796 psi (45")
IFP 648-796 psi
FFP 796-796 psi

340	50/50	poz	225	2%	gel, 3%	cc
3840	60/40	poz	175	18%	salt	2%

Acid, Fracture, Shot, Cement Squeeze Record	
(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
---------------	------	--------	-----------	-----------	--

Date of First Production Producing Method
 Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	N/A Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)

RECEIVED
STATE CORPORATION COMMISSION

JUL 14 1986

THE ROXANA CORPORATION

Office 792-1383

1925 Main Street

P. O. Box 1850

GREAT BEND, KANSAS 67530

Bill Chew Oil & Gas Co.
Barbara Johnson South #1

330' E NW NE SW
Section 32-23S-10W
Reno County, Kansas

5 1/2" PRODUCTION CASING SET

CONTRACTOR: Mohawk Drilling Co
 COMMENCED: July 28, 1984
 COMPLETED: August 2, 1984
 ELEVATIONS: 1790' K.B., 1787' D.F., 1780' G.L.
 CASING PROGRAM: Surface: 8 5/8" @ 340'
 Production: 5 1/2" @ 3840'
 SAMPLES: Samples saved 2700' to the R.T.D.
 DRILLING TIME: One (1) foot drilling time recorded by
 geolograph surface to the R.T.D.
 MEASUREMENTS: All depths measured from the Kelly Bushing
 ELECTRIC LOG: By Welex, Gamma Guard Sidewall Neutron Log
 and Computer Analyzed Log
 FORMATION TESTING: There were five (5) drill stem tests run by
 Halliburton Testers

<u>FORMATION</u>	<u>ELECTRIC LOG DEPTH</u>	<u>SUB SEA DATUM</u>
Heebner	3093	-1303
Toronto	3108	-1318
Douglas	3135	-1345
Douglas Sand	3144	-1354
Brown Lime	3248	-1458
Lansing	3281	-1491
Base/Kansas City	3552	-1762
Meisner Sand	3646	-1856
Viola	3651	-1861
Simpson Shale	3761	-1971
First Simpson Sand	3771	-1981
Second Simpson Sand	3783	-1993
Third Simpson Sand	3799	-2009
Arbuckle	3835	-2045
L.T.D.	3841	-2051

(All samples are corrected to electric log measurements.)

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

3025-3033

Limestone, gray, oocastic, poor visible porosity, trace of questionable brown stain, no show of free oil or odor in fresh samples

TORONTO SECTION

3110-3120

Limestone, cream to white, fossiliferous, scattered fossil-cast porosity, trace of dull gray to brown stain, no show of free oil or odor in fresh samples

RECEIVED
STATE CORPORATION COMMISSION

JUL 14 1986

CONSERVATION DIVISION

Bill Chew Oil & Gas Co.
Barbara Johnson South #1

330' E NW NE SW
Section 32-23S-10W
Reno County, Kansas

Page 2

DOUGLAS SAND SECTION

3144-3177 Sand, gray to greenish gray, very fine grained, rounded to sub-rounded, fair inter-granular porosity, few pieces slightly micaceous, no shows

LANSING SECTION

3284-3288 Limestone, tan, finely crystalline, cherty in part, spotty golden brown stain, no show of free oil or odor in fresh samples

3300-3305 Limestone, gray, fossiliferous, chalky, poor porosity, trace of dull gray stain, no show of free oil or odor in fresh samples

3323-3328 Limestone, tan to white, chalky, scattered pin-point porosity, fair golden brown stain, trace of free oil and faint odor in fresh samples

DRILL STEM TEST #1 3330-3350

Open: IF 45
FF 45
Blow: Fair
Recovery: 90' slightly gas cut mud
Pressures: ISIP 140 psi (45")
FSIP 140 psi (45")
IFP 30-60 psi
FFP 80-100 psi

3362-3366 Limestone, gray to cream, fossiliferous, chalky, poor visible porosity, no shows

3380-3389 Limestone, as immediately above, few pieces scattered sub-oocastic porosity, no shows

3390-3400 Limestone, cream to white, finely crystalline, sub-oocastic, chalky, trace of golden brown stain and saturation, no show of free oil or odor in fresh samples

3425-3428 Limestone, cream to gray, fossiliferous, chalky, scattered porosity; Plus: trace limestone, cream, sub-oocastic, trace of light brown stain, no show of free oil or odor in fresh samples

3450-3456 Limestone, tan to white, fossiliferous, sub-oocastic, chalky, no shows

3471-3475 Limestone, cream to tan, oolitic, chalky, scattered porosity, trace of black to golden brown stain, no show of free oil or odor in fresh samples

3498-3502 Limestone, gray to cream, oolitic, cherty in part, poor porosity, trace of light brown stain, weak show of free oil and no odor in fresh samples:PERFORATE

Bill Chew Oil & Gas Co.
Barbara Johnson South #1

330' E NW NE SW
Section 32-23S-10W
Reno County, Kansas

Page 3

3538-3550

Limestone, tan, fossiliferous, cherty in part, questionable brown edge staining, no show of free oil or odor in fresh samples

CONGLOMERATE SECTION

3606-3622

Chert, white to tan to orange, opaque, trace black (dead) edge stain, scattered tripolitic porosity, few pieces scattered stain, slight show of free oil and no odor in fresh samples

KINDERHOOK SECTION

3626-3630

Sand, medium grained, highly calcareous, poor visible porosity, trace of light brown stain, slight show of free oil and no odor in fresh samples

3630-3642

Limestone, gray to green, shaley; plus: abundant gray to green shale, no shows

MEISNER SECTION

3646-3650

Sand, very fine grained, glassy, quartzitic, well rounded, well sorted, fair intergranular porosity, trace of glauconite, even brown stain and saturation, show of free oil (light, gassy), and fair to good odor in fresh samples: PERFORATE

DRILL STEM TEST #2 3611-3650

Open: IF 45
FF 45
Blow: Fair
Recovery: 124' oil and gas cut mud
Pressures: ISIP 747 psi (45")
FSIP 707 psi (45")
IFP 40-60 psi
FFP 100-100 psi

VIOLA SECTION

3652-3660

Chert, white to gray, boney, poor porosity, trace of gray to dull gray edge stain, no show of free oil or odor in fresh samples

3668-3680

Trace limestone, white to gray, fine to medium crystalline, slightly dolomitic, trace of brown stain; plus: dolomite, gray to white, sucrosic, medium crystalline, spotty stain, show of free oil and good odor in fresh samples

DRILL STEM TEST #3 3658-3678

Open: IF 45
FF 45
Blow: Strong
Recovery: 1790' water
Pressures: ISIP 796 psi (45")
FSIP 796 psi (45")
IFP 648-796 psi
FFP 796-796 psi

Bill Chew Oil & Gas Co.
Barbara Johnson South #1

330' E NW NE SW
Section 32-23S-10W
Reno County, Kansas

Page 4

3680-3700

Dolomite, white to cream to gray, fine to medium crystalline, fair to good inter-crystalline porosity, fair brown to black stain, show of free oil and good odor in fresh samples

3700-3714

Chert, gray, tripolitic, fair porosity, fair golden brown stain, trace of free oil and strong odor in fresh samples

DRILL STEM TEST #4 3680-3718

Open: IF 30
FF 30
Blow: Strong
Recovery: 1790' water
Pressures: ISIP 817 psi (30")
FSIP 817 psi (30")
IFP 200-797 psi
FFP 797-817 psi

SIMPSON SECTION

3771-3778

Sand, very fine grained, rounded, fair sorting, fair stain and saturation, fair show of free oil and no odor in fresh samples: PERFORATE

DRILL STEM TEST #5 3771-3780

Open: IF 45
FF 45
Blow: Fair
Recovery: 124' gas in pipe
5' clean oil
60' water with good show of oil
Pressures: ISIP 817 psi (45")
FSIP 817 psi (45")
IFP 20-40 psi
FFP 60-80 psi

3783-3787

Sand, very fine grained, white, rounded, fair sorting, few pieces slightly dolomitic, no shows

3798-3802

Sand, white, very fine grained, highly pyritic, poor visible porosity, no shows

ARBUCKLE SECTION

3835-3841

Dolomite, cream to white, medium to coarse crystalline, fair inter-crystalline porosity, no shows

ROTARY TOTAL DEPTH 3840 (-2050)

LOG TOTAL DEPTH 3841 (-2051)

Bill Chew Oil & Gas Co.
Barbara Johnson South #1

330' E NW NE SW
Section 32-23S-10W
Reno County, Kansas

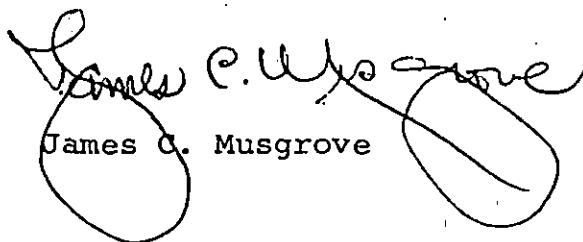
Page 5

RECOMMENDATIONS

On the basis of the favorable log calculations and the positive results of drill stem tests #2 and #5, it was recommended that 5 1/2" production casing be set and cemented at the total depth of 3840, one foot off bottom, and the following zones be tested in the Barbara Johnson South #1:

- | | |
|-----------------|---------------------|
| 1) Simpson Sand | 3771-3773 Perforate |
| 2) Meisner Sand | 3646-3650 Perforate |
| 3) Lansing | 3498-3502 Perforate |

Respectfully submitted,


James C. Musgrove