KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 4952
Name: Starr F. Schlobohm
Address: 47 Michawanic Road, #3D
City/State/Zip: Sanbornville, NH 03872-3787
Purchaser:
Operator Contact Person: John L. Driscoll
Phone: (785) 483-9580
Contractor: Name: Vonfeldt Drilling, Inc.
License: 9431
Wellsite Geologist: Dave Shumaker

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Designate Type of Completion:
✔ New Well ___ Re-Entry ___ Workover
___ Oil ___ SWD ___ SIOW ___ Temp. Abd.
___ Gas ___ ENHR ___ SIGW
✔ Dry ___ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: ___ Original Total Depth: ___
___ Deepening ___ Re-perf. ___ Conv. to Enhr./SWD
___ Plug Back ___ Plug Back Total Depth
___ Commingled Docket No.
___ Dual Completion Docket No.
___ Other (SWD or Enhr.?) Docket No.

8/22/03	8/28/03	8/28/03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-25242-0000
County: Ellis
105'E/S & 135'E/W
___ E/2 ___ E/2 NE Sec. 9 Twp. 13 S. R. 17 ☐ East ✔ West
3825 feet from (S) / N (circle one) Line of Section
435 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Walter J. Staab Well #: 1
Field Name: Catherine
Producing Formation:
Elevation: Ground: 2028' Kelly Bushing: 2033'
Total Depth: 3640 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at 1223' Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☐ No
If yes, show depth set ___ Feet
If Alternate II completion, cement circulated from
feet depth to ___ w/ ___ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Pit'd on 9.19.03
Chloride content 63,000 ppm Fluid volume 400 bbls
Dewatering method used Allow to dry and backfill
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter ___ Sec. ___ Twp. ___ S. R. ___ ☐ East ☐ West
County: Docket No.:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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: Starr F. Schlobohm
Title: Owner/Operator Date: Sept. 17, 2003
Subscribed and sworn to before me this 17th day of September, 2003.
Owner/Operator
Notary Public: JoAnne MacDonald
Date Commission Expires: 8/14/07

JoAnne M. MacDonald
NOTARY PUBLIC OF NEW HAMPSHIRE
My Commission Expires Aug. 14, 2007

KCC Office Use ONLY
✔ Letter of Confidentiality Attached
If Denied, Yes ☐ Date:
✔ Wireline Log Received
✔ Geologist Report Received
___ UIC Distribution

Side Two

Operator Name: Starr F. Schlobohm Lease Name: Walter J. Staab Well #: 1

Sec. 9 Twp. 13 S. R. 17 ☐ East ☑ West County: Ellis

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets) ☒ Yes ☐ No

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy) ☒ Yes ☐ No

List All E. Logs Run:

Radiation Guard Log

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydrite	1,223"	+ 810'
Base Anhydrite	1,259'	+ 774'
Topeka	3,028'	- 995'
Heebner	3,267'	- 1,234'
Toronto	3,287'	- 1,254'
Lansing/KC	3,314'	- 1,281'
Base Lansing/KC	3,542'	- 1,509'
Arbuckle	3,579'	- 1,546'
Total depth	3,641'	- 1,608

CASING RECORD ☒ New ☐ 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	# Sacjs Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23#	1,223'	Common	285	Gel 9 sks.
					Pozmix	190	Chloride 15 sks.
Dry hole D & A							

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer At

Liner Run ☐ Yes ☐ No

Date of First, Resumerd Production, SWD or Enhr.

Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other (Specify)

ORIGINAL

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SEP 19 2003
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Starr F. Schlobohm
47 Michawanic Rd. No. 3D
Sandbornville, NH 03872

Geological Report

Catherine "B" Unit No. 1
1455' FNL & 640' FEL
Section 16, Twp. 13 South
Rge. 17 West
Ellis County, Kansas

May 25, 2003

Starr F. Schlobohm
47 Michawanic Rd. No. 3 D
Sandbornville, NH 03872

Geological Report:	Catherine "B" Unit No. 1 1455' FNL & 640' FEL 16-13S-17W Ellis County, Kansas
Contractor:	Vonfeldt Drilling Co. Rig. 1 Russell, Kansas 67665
Drilling Commenced:	May 17, 2003
Drilling Completed:	May 24, 2003
Casing Record:	8 5/8 set at 1234' with 5 ½ set at 3669' with approx. 200 sx.
Drilling Time:	By Geolograph. 1 foot intervals from 2900' to 3670' R.T.D.
Samples:	10 foot intervals from 2950' To 3670' R.T.D.
Drill Stem Tests:	3 by Trilobite Testing LLC Hays, Kansas 67601
Logs:	Dual Induction Log Compensated Density Neutron Log, Sonic Log ELI Wireline, Hays, Kansas
Mud:	Chemical Mud Andy's Mud & Chemical Hays, Kansas 67601
Elevation:	Kelly Bushing 2007' Ground Level 2002' Measurements from K.B.

FORMATION TOPS
(Comp Density-Neutron Log)

FORMATION	SAMPLE DEPTH	LOG DEPTH	MINUS DATUM
Anhydrite	1234	1236	+771
Base Anhydrite	1277	1273	+734
Topeka	3030	3028	-1021
Heebner	3272	3268	-1261
Toronto	3290	3290	-1283
Lansing-Kansas City	3317	3316	-1309
Base-Kansas City	3542	3540	-1533
Arbuckle	3567	3565	-1558
Total Depth	3670	3670	-1663

Lithology: Zones of Interest
NOTE: Sample descriptions corrected to log measurements.

Topeka 3028(-10210 Top

3028-31	LS;	Light gray to buff, very fine crystalline, dense to chalky, slightly fossiliferous. No visible show.
3205-09	LS;	White to buff, crystalline porosity with a trace of poor pinpoint porosity with no show.

Heebner 3268 (-1261)

Toronto 3290 (-1283)

3291-94	LS;	White to light gray, poor crystalline porosity with no show. Trace of chert.

Lansing-Kansas City 3316 (-1309)

3316-18 A Zone	LS;	White, fine crystalline and dense, trace of very poor porosity with no show.

Lithology: Page 3

Arbuckle 3565 (-1558)

3565-72	Dol;	White, fine to medium crystalline, poor porosity with spotty stain. Cherty. No free oil or odor.

Tested by D.S.T. No. 3

3574-80	Dol;	White, fine to medium crystalline with a trace of fair porosity and spotty light stain. Show of free oil but little or no odor.

Tested by D.S.T. No. 3

3580-3599	Dol;	White to buff, tight crystalline porosity with spotty stain. Very slight show of free oil and faint odor.
3600-10	Dol;	White to buff, fine to medium crystalline. Traces of spotty stain. Very slight show of free oil and fair odor.
3611-28	Dol;	Buff, poor crystalline to granular porosity with rare spotty stain. Very slight show of free oil and faint odor.

Rotary Total Depth 3670 (-1663)

Log Total Depth 3670 (-1663)

3340-43 B Zone	LS;	White to buff, crystalline and fossil porosity with scattered light stain. Show of very light oil and faint odor.
	Tested by D.S.T. No. 1	
3360-62 C Zone	LS;	White, fair to poor oolitic and suboolicastic porosity with fair even brown stain. Fair show of free oil and fair odor.
	Tested by D.S.T. No. 1	
3396-98 F Zone	LS;	White, crystalline, oolitic to fossiliferous. Fair porosity with scattered light stain. Show of free oil and fair odor.
	Tested by D.S.T. No. 2	
3402-09 G Zone	LS;	White to light gray, oolitic to poor oolicastic porosity with spotty stain. Very slight show of free oil and poor odor.
	Tested by D.S.T. No. 2	
3448-51 H Zone	LS;	White to light gray, fine crystalline with a trace of chert. Trace of poor crystalline porosity with no show.
3471-73 I Zone	LS;	Buff, very fine crystalline dense. Slightly fossil-iferous. No free oil or odor.
3486-88 J Zone	LS;	White to buff, trace of chalky crystalline porosity with no show.
3514-16 K Zone	LS;	Buff, fine crystalline and dense, slightly fossil-iferous and chalky. No show.
3532-34 L Zone	LS;	Buff, fine crystalline and dense.

Base-Kansas City 3540 (-1533)

DRILL STEM TESTS

Drill Stem Test No. 1 3324 to 3370 (LKC B & C)

Time Interval: 45-45-45-45

1st Open: Weak building to 10 inches
2nd Open: Good blow-bottom of bucket in 17 min.
No blow back on shut-ins.

Recovery: 300 feet of gas in pipe
70 feet of gas & oil cut mud (20% gas, 30% oil, 5% mud)
70 feet total fluid

Pressures: IHMP: 1627# IFP: 22#-33#
ISIP: 373# FFP: 55#-66#
FSIP: 362# BHT: 106 F
FHMP: 1605#

Mud Properties: Viscosity: 46 Weight: 9.0 Water loss: 6.4cc

Drill Stem Test No. 2 3376-3420 (LKC, E, F, & G)

Time Intervals: 45-45-45-45

1st Open: Weak building to 10 inches
2nd Open: Good blow-bottom of bucket in 12 min.

Recovery: 420 feet of gas in pipe
70 feet of gas & oil cut mud (20% gas, 30% oil, 50% mud)
70 feet total fluid

Pressures: IHMP: 1660# IFP: 44#-55#
ISIP: 406# FFP: 55#-66#
FSIP: 406# BHT: 106 F
FHMP: 1627#

Mud Properties: Viscosity: 48 Weight: 9.0 Water loss: 7.2 cc

Drill Stem Tests cont.

Drill Stem Test No. 3 3542-3580 Arbuckle

Time Interval: 30-30-3-0

1st Open: ½ inch surface blow died in 15 min.
2nd Open: No blow

Recovery: 7 feet of oil specked mud-good show of oil on top of tool

Pressures: IHMP: 1758# IFP: 31.46#-32.24
ISIP: 70.48# FFP: 33#-31#
FSIP: N.A. BHT: 109 F
FHMP: 1689#

Mud Properties: Viscosity: 48 Weight: 9.2 Water loss: 5.6 cc

REMARKS AND RECOMMENDATIONS

The Catherine "B" Unit No. 1 Lansing datum of –1309 was some 4 feet lower than the Lansing datum in the Mallonee No. 1 Catherine Unit (N/2-NW-NE 16-13S-17W Ellis County, KS). The Lansing B, C, E, F and G zones were tested with 300-400 feet of gas in the pipe as well as 70 feet of oil and gas cut mud on each test. It is my opinion that the "B" and "F" zones contained the best shows and probably produced the recovery on the test. The "B" and "C" zones as well as the "F" and "G" zones are close together, so communication is possible with acid, but I believe water should not be a large problem.

The Arbuckle datum of –1558 in the Catherine "B" Unit No. 1was 2 feet lower than the Mallonee No. 1 Catherine Unit. The Arbuckle was tested 15 feet in with 7 feet of oil specked mud being recovered with a good show of oil on top of the tool. The Arbuckle above3600' appears tight, but contained oil shows. If any Arbuckle is perforated it should be done above 3600' as the interval from 3600' to 3670' appears wet on the induction log.

das/DMS

Respectfully Submitted,

David M. Shumaker
Petroleum Geologist