

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 # 03655
Name Staab Energy and Leasing
Address 2514 Haney Drive
City/State/Zip Hays, Kansas 67601

Purchaser

Operator Contact Person Norman Staab
Phone 913-628-1326

Contractor: License # 5669
Name Helberg Oil Company

Wellsite Geologist
Phone

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

WELL HISTORY

Drilling Method:
X Mud Rotary Air Rotary Cable
10-13-1989 10-23-1989 10-23-1989
Spud Date Date Reached TD Completion Date
3760' PBT
Total Depth
Amount of Surface Pipe Set and Cemented at 225 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
Cement Company Name B-J Titan
Invoice # YA111
A111 D&A

API NO. 15-051-24-614
County Ellis
150'S 100'W East
C SE NW Sec. 22 Twp. 11 Rge. 20 X West

3135 Ft North from Southeast Corner of Section
3400 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

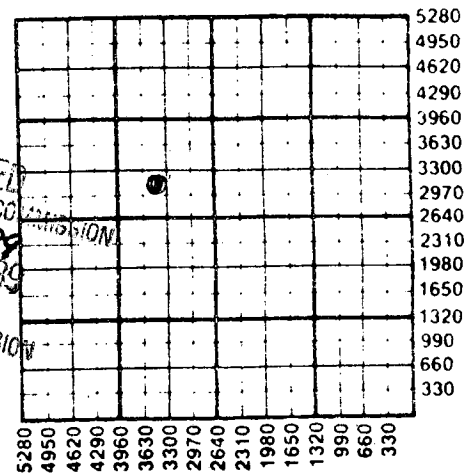
Lease Name Hamburg Well # 1

Field Name Cromb

Producing Formation

Elevation: Ground 2125 KB 2130

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
11-27-1989
207271989
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit # 895-005
Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner Sec Twp Rge East West
X Surface Water 330 Ft North from Southeast Corner (Stream, pond etc) 300 Ft West from Southeast Corner Sec 15 Twp 11 Rge 20 East X West
Other (explain) (purchased from city, R.W.D. #)

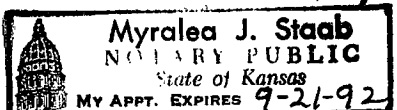
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 [Signature]
Title Owner Date 11/11/89

Subscribed and sworn to before me this 11 day of November 1989
Notary Public Myralea J. Staab
Date Commission Expires September 21, 1992

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)



Sec. Twp. Rge.

SIDE TWO

Operator Name **Staab Energy and Leasing** Lease Name... **Howburg** Well #... **1**

Sec. **22** Twp. **11** Rge. **20** East West County..... **Ellis**

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
Anhyrite	1532'-598'	1578'-552'
Topeka	3178'-1048'	
Heebner	3399'-1269'	
Lansing	3436'-1300'	
Base K.C.		3654'-1524'
Marmaton	3707'-1575'	
Arbuckle	Not Reached	
RTD	3760'-1630'	

Cimmarron Drillers, Inc. by Geologist Lewis O. Chubb is enclosed. Geologic Log also enclosed by L. O. Chubb. Also enclosed is ACO-1 Well History

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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	#Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"		225'	Common	135	60/40 Poz 3% Cal. 2% Gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

DRY HOLE

15-051-24614-00-00

OPERATOR

Staab Energy & Leasing LEASE NAME

Homburg

SEC.

TWP.

RGE.

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cased 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
Shale	0	240		
Sand and Shale	240	260		
Sand and Shale	260	792		
Sand and Shale	792	1464		
Shale	1464	1532		
Anhydrite	1532	1578		
Shale	1578	1682		
Sand and Shale	1682	1954		
Shale	1954	2147		
Shale	2147	2260		
Shale and Lime	2260	2330		
Shale and Lime	2330	2411		
Shale and Lime	2411	2550		
Shale and Lime	2550	2745		
Shale and Lime	2745	2854		
Shale and Lime	2854	3006		
Lime and Shale	3006	3155		
Shale and Lime	3155	3303		
Shale and Lime	3303	3380		
Lime	3380	3440		
Lime and Shale	3440	3505		
Lime	3505	3566		
Lime	3566	3625		
Shale and Lime	3625	3675		
Lime	3675	3719		
Lime	3719	3760		
T.D.	3760			
D&A				

15-051-24614-00-00
CIMARRON DRILLERS, INC.

Geologist - Petroleum - Geophysicist

P. O. Box 854

GREAT BEND, KANSAS 67530

OCTOBER 24, 1989

LEWIS O. CHUBB
Phone 793-6749

STAAB ENERGY & LEASING, INC.
2514 HANEY DRIVE
HAYS, KANSAS 67601

RE: STAAB ENERGY & LEASING
ARNOLD HOMBERG NO. 1
150'S-100'W SE/4 NW/4
SECTION 22-11S -20W
ELLIS COUNTY, KANSAS

GENTLEMEN,

THE FOLLOWING IS THE GEOLOGICAL REPORT FOR THE
ABOVE CAPTIONED WELL:

API NUMBER	15-051-24,614
CONTRACTOR:	Helberg Oil Company
DATE COMMENCED:	October 13, 1989
DATE COMPLETED:	October 23, 1989
ROTARY TOTAL DEPTH:	3760' RTD.
SURFACE CASING:	Set: 8 5/8" casing at 225'
ELEVATIONS:	2130' KB; 2128 DF'; 2125 GL.
DEPTH MEASURED FROM:	2130' K. B.
DRILLING TIME PLOTTED:	3100' TO 3760', RTD.
SAMPLES EXAMINED:	3100' TO 3760', RTD.
DRILL STEM TESTS	None
LOGS	Drilling Time Log
COMPLETION:	Plugged and Abandoned.

STATE OF KANSAS
11-27-1989
6867-22-11
CONSULTING ENGINEER
Wichita, Kansas

15-051-24614-00-00

Staab Energy, Homberg

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FORMATION DATA

<u>FORMATION</u>	<u>DEPTH</u>	<u>SUB-SEA</u>
ANHYDRITE	1532'	598'
(BASE)	1578'	552'
TOPEKA	3178'	-1048'
HEEBNER	3399'	-1269'
TORONTO	3419'	-1283'
LANSING	3436'	-1300'
BASE K. C.	3654'	-1524'
MARMATON	3707'	-1608'
CONGLOMERATE	3738'	-1608'
ARBUCKLE	Not reached.	

STRUCTURAL POSITION IN RELATION TO NEARBY TESTS

	STAAB E&L Homberg 1 neswsenw	DARBY Cromb nenwnw	CHIEF Cromb nesws	WALTERS Cromb seswnw
FORMATION				
ANHYDRITE	598'	592'	607'	588'
TOPEKA	-1048'	-1030'	-1054'	NA
HEEBNER	-1269'	NA	-1277'	-1265'
LANSING	-1300'	-1294'	-1317'	-1302'
BASE K. C.	-1524'	-1510'	-1542'	-1523'
MARMATON	-1575'	NA	-1586'	-1571'
ARBUCKLE	NR	-1600'	-1670'	-1619'
R. T. D.	-1630'	-1630'	-1712'	-1639'

Staab E&L Homberg 1

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ZONES OF INTEREST

<u>FORMATION</u>	<u>DEPTH</u>	<u>DESCRIPTION:</u>
TOPEKA	3203-3211'	Limestone, tan, cream, fine grained dolomitic, sandy, good porosity no show.
	3256-3272'	Limestone tan, gray, w/brown fossils imbedded, very chalky, poor porosity no shows.
	3298-3308'	Limestone, white, fine, medium grain calcitic, slightly fossiliferous fair porosity, no show.
	3343-3349	Limestone, white, fine crystalline, chalk, poor porosity, no show.
	3364-3369	Limestone, white, cream chalky, fine crystalline, slightly fossiliferous, poor developed porosity, no show.
TORONTO	3420-3430'	Limestone, white, cream, fine, medium crystalline, slightly fossiliferous, partly chalk. poor porosity, no show.
LANSING	3438-3841	Limestone, white, fine, medium crystalline dense, slightly fossiliferous, pin-point porosity no show.
	3478-3483	Limestone, white, oolitic w/chalk matrix, poor porosity, no show.
	3520-3527	Limestone, white, cream, oolitic, crystalline matrix, chalky, dense poor porosity, no show.
"H"	3570-3580'	Limestone, white, cream, dense, slightly fossiliferous, no visible porosity. no show.
"I"	3590-3598'	Limestone, white, oolitic, with dense matrix, trace oolitic porosity trace gilsonite. no value.

15-051-24614-00-00

Staab E&L Homberg 1

-4-

"J" 3618-3623' Limestone, white, gray, oolitic, fine grained matrix, dense, trace oolitic and granular porosity, trace free oil, gilsonitic, no value.

"K" 3628-3632' Limestone, gray, brown, fossiliferous, dense, trace fossiliferous porosity, trace free oil & stain no value.

MARMATON 3708-3714' Limestone, gray, tan, fossiliferous dense, flaky, no visible porosity, no show.

CONGLOMERATE 3738-3760' Shales, red, gray, green with associated vari-colored chert. no sand development, no shows.

SUMMARY

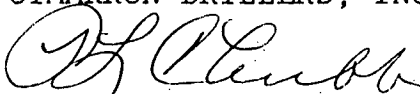
The subject well was under geological supervision from 3300' to 3760' RTD. Structurally the well ran low to the Darby Cromb; however, the key well Walters Cromb, the well ran more or less flat down to the Arbuckle level then fell off badly. The well was much higher than the Chief Cromb and the Chief Fenton.

The Topeka formation had some good porosity development, but no shows of oil or gas. The Lansing just didn't have any porosity development sufficient for commercial production and only a trace of a show of oil.

The Arbuckle formation was not encountered. The well was abandoned at a sub-sea depth too low to produce from this formation.

The well was plugged and abandoned on the basis of its low structural position and the lack of any significant show of oil or gas.

Respectfully submitted,
CIMARRON DRILLERS, INC.



T. L. Chubb, geologist.