

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15-083-21,309-0000  
County...Hodgeman  
75' West of  
SE.. NE.. SE. Sec.10.. Twp 22.. Rge 23... X West

Operator: License # 5418  
Name ALLEN DRILLING COMPANY  
Address P.O. Box 1389  
1105 Walnut  
City/State/Zip Great Bend, KS 67530

1650.. Ft North from Southeast Corner of Section  
405.. Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser...N/A

Lease Name...BAMBERGER...Well # 1-10...  
Field Name...Armstrong North Extension

Operator Contact Person Doug Hoisington  
Phone 316/793-5877

Producing Formation...D&A  
Elevation: Ground...2360...KB...2366

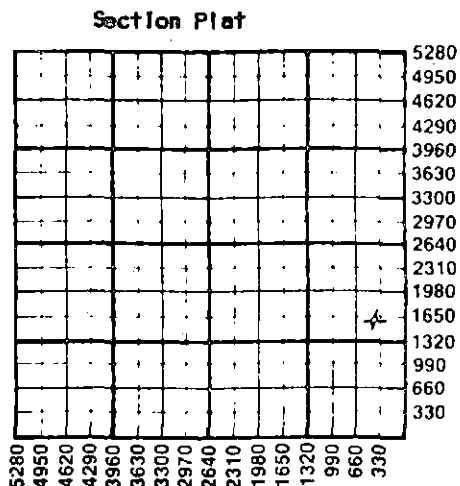
Contractor: License # 5418  
Name ALLEN DRILLING COMPANY

Wellsite Geologist Jeffrey R. Zoller  
Phone 316/793-5877

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp  
 Dry  Other (Core, Water Supply etc.)

If OWHO: old well info as follows:  
Operator...n/a  
Well Name  
Comp. Date...Old Total Depth

RECEIVED  
STATE CORPORATION COMMISSION  
SEP 23 1988  
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 #.....  
 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  
2 miles north of location  
 Other (explain).....  
(purchased from city, R.W.D. #)

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
8/26/88 9/04/88 9/04/88  
Spud Date Date Reached TD Completion Date  
4670' PBTD  
Total Depth

Amount of Surface Pipe Set and Cemented at 416 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 Halliburton Services  
Invoice # 177 DPA

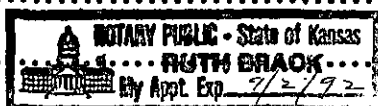
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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  
Title...Geologist Date...9/20/88

Subscribed and sworn to before me this 20 day of September 1988  
Notary Public Ruth Brack

Date Commission Expires



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)  
9-23-88 X

Sec 10, Twp 22, Rge 23

SIDE TWO

Operator Name ALLEN DRILLING COMPANY Lease Name BAMBERGER Well # 1-10

Sec. 10 Twp. 22 Rge. 23  East  West County Hodgeman

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

STRATIGRAPHIC

MARKERS	SAMPLE	E. LOG	DATUM
Anhydrite	1573	1571	+795
Base Anhyd.	1606	1604	+762
Haebner	3916	3916	-1550
Lansing	3969	3969	-1603
J Zone	4192	4192	-1826
Stark Sh.	4231	4231	-1865
Hush. Sh.	4280	4279	-1913
Base KC	4344	4343	-1977
Marmaton	4354	4354	-1988
Marmaton Pay	4364	4363	-1997
Pawnee	4445	4444	-2078
Fort Scott	4509	4508	-2142
Cherokee Sh.	4535	4534	-2168
Eros. Miss.	4593	4592	-2226
Warsaw	4603	4602	-2236
Osage	4617	4616	-2250

DRILL STEM TESTS							
NO	INTERVAL	IFT/TIME	ISIT/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	4520 - 4550 Cherokee	35-35 15	39 15	35-35 15	39 15	2322- 2322	5' M, 1st opg. Wk blow dead 8 min., 2d opg. v. wk blow, dead 2 min.
2	4575 - 4605 Miss.	35-35 15	35 15	35-35 15	35 15	2333- 2333	5' mud, 1st opg. dead in 15 min. 2nd opg. dead in 2 min.
3	4608 - 4620 Miss.	23-23 15	1128 15	35-11 15	896 15	2356- 2356	5' m/spts oil on top 1st opg wk blow dead 7" 2nd-v.wk blow, dead 30sec
4	4610 - 4624 Miss.	23-23 45	1427 60	35-35 45	1404 60	2345 - 2345	30' m/tr oil on top, 1st opg. v. wk blow 2nd-v.wk blow dead 20"

CASING RECORD  New  Used TD 4670 4670 -2304  
 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"	20#	416'	60/40 Poz	275	2% gel, 3% cc.

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 Size Set At Packer at Liner Run  Yes  No

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

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

METHOD OF COMPLETION Production Interval

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