

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 # 6192  
name N.R. Hamm Contractor, Inc.  
address Box 17  
City/State/Zip Perry, Kansas 66073

Operator Contact Person N. Rodney Hamm  
Phone 913 597 5111

Operator: license # 6193  
name Hamm Drilling Inc.

Wellsite Geologist Steve Nordeng  
Phone 913 841 6181

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 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:  Mud Rotary  Air Rotary  Cable  
1-85 7-23-85 8-1-85  
Spud Date Date Reached TD Completion Date

1564  
Total Depth PBSD

Amount of Surface Pipe Set and Cemented at 275 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. 15-087-20177

County Jefferson

NW SE SE Sec 18 Twp 10 Rge 20  
(location) East West

990 Ft North from Southeast Corner of Section  
990 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

Lease Name Osborn Well# 4

Field Name McLouth, South

Producing Formation McLouth Sand

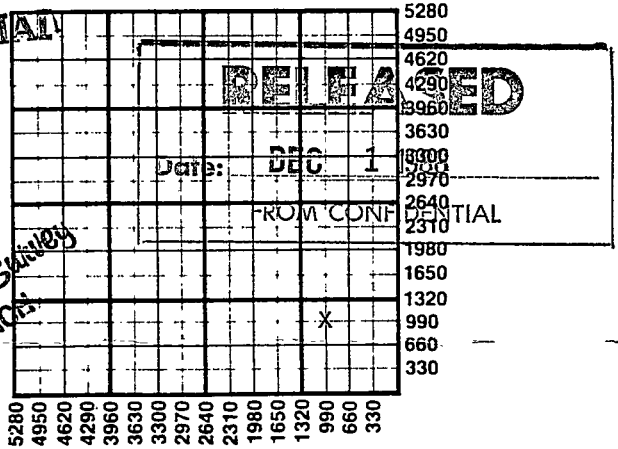
Elevation: Ground 1102 KB 1108

Section Plat

CONFIDENTIAL

OCT 11 1985

State Geological Survey  
WICHITA BRANCH



WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner and  
(Well) Ft West From Southeast Corner of

Sec Twp Rge East West

Surface Water Ft North From Southeast Corner and  
(Stream, Pond etc.) Ft West From Southeast Corner

Sec Twp Rge East West

Other (explain)  
(purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  
 Repressuring

Docket #

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. Rules 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.

505-01-81

SIDE TWO

Operator Name N.R.Hamm Contractor, Inc. Lease Name Osborn Well# 4 SEC 18 TWP. 10 RGE. 20  East  West

**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
Measured from Kelly Bar		
Oread	161	
Lansing	481	
B/KC	821	
Cherokee	1058	
McLouth Sand	1519-1528	
Mississippi	1557	

<b>TUBING RECORD</b>		size <u>2 3/8</u> set at <u>1511</u>	packer at <u>1511</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First Production <u>August 1, 1985</u>	Producing method <input type="checkbox"/> flowing <input checked="" 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
	30 Bbls	· MCF	0 Bbls	· CFPB	22

Disposition of gas:  vented  sold  used on lease

**METHOD OF COMPLETION**  
 open hole  perforation  other (specify) .....

**PRODUCTION INTERVAL**  
1518-1526

<b>CASING RECORD</b> <input checked="" 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 .....	..22 .....	275 .....	PORT .....	.....	.....
... Production ...	...6 1/4 .....	..4 .....	..14 .....	1563 .....	50/50POZ .....	.....	.....

<b>PERFORATION RECORD</b>		<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
... 2 .....	... 1518 - 1526 .....	... 150 gal HCL .....	.....
.....	.....	... 5000 lb Gelled WaterFrac .....	.....