

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 # 5421  
name Sage Drilling Co., Inc.  
address 202 S. St. Francis  
City/State/Zip Wichita, KS 67202

Operator Contact Person Casey Coats  
Phone 316-263-6139

Contractor: license # 5421  
name Sage Drilling Co., Inc.

Wellsite Geologist Ray Palmer  
Phone 316-722-9090

PURCHASER none

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  
1-27-86 2-2-86 2-4-86  
Spud Date Date Reached TD Completion Date

3450 3450  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 405 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. 15-009-24,142 0000

County Barton

C.W/2 E/2 NW/4 Sec 6 Twp 16S Rge 12 West

4050 Ft North from Southeast Corner of Section  
3630 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

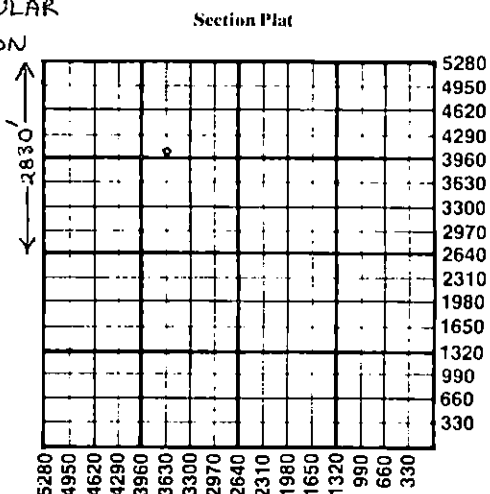
Lease Name Miller Well# 1-6

Field Name Hall Gurney Extension

Producing Formation Lansing-KC and Arbuckle

Elevation: Ground 1875 KB 1881

IRREGULAR SECTION



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) Francis Urban hauled apr 6000 bbls. (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.

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 Charles Casey Coats, P.E.  
Charles Casey Coats  
Title Petroleum Engineer Date 2-4-86

Subscribed and sworn to before me this 4th day of February, 1986.

Notary Public Sandra Kay Hiner  
Date Commission Expires 6-5-88



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)

STATE CORPORATION COMMISSION Form ACO-1 (7-84)

FEB 5 1986  
CONSERVATION DIVISION  
Wichita, Kansas

Sec. 10, Twp. 16, Rge. 12, West

Operator Name Sage Drilling Co., Inc. Lease Name Miller Well# 1-6 SEC 6 TWP 16S RGE 12  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 and  Sample

DST #1 (Lansing "B") 3097-3130'/30-60-60-60  
 Rec. 180' watery mud w/cum of oil, 46000 Cl.  
 IHP: 1718#; ISP: 91-100#; ISIP: 467#; FFP: 109-119#;  
 FSIP: 402#; FHP: 1700#; BHT: 109°F.

DST #2: (Lansing "F") 3148-3162'/30-60-60-60  
 Rec. 1550' muddy water 54,000 Cl.  
 IHP: 1598#; IFP: 402-577#; ISIP: 1174#; FFP: 660-770#;  
 FSIP: 1580#; BHT: 109°F.

Name	Top	Bottom
Anhydrite (log)	810	846
Heebner (log)	2992	3011
Toronto (log)	3011	3025
Douglas (log)	3025	3078
Brown Lime (log)	3078	3087
Lansing (log)	3078	3362
Conglomerate (sample)	3362	3394
Arbuckle (sample)	3394	
TD	3450	

CASING RECORD <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"	20	405	60-40 poz.	200	2% gel, 3% CaCl
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		
	Bbbls	MCF	Bbbls	CFPB			

Disposition of gas:  vented  open hole  perforation  other (specify)  Dually Completed.  Commingled

sold  used on lease

PRODUCTION INTERVAL