

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

S

API NO. 15-15-175-20614-00-01

County Seward

Sec. 1 Twp. 34S Rge. 31 East West

3300 Ft North from Southeast Corner of Section  
3300 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Black Well # 2-1

Field Name Kismet

Producing Formation Cedar Hills Disposal

Elevation: Ground 2723 KB 2733

Operator: License # 5421  
Name Sage Drilling Co., Inc.  
Address 202 S. St. Francis  
City/State/Zip Wichita, Kansas 67202

Purchaser N/A

Operator Contact Person Casey Coats  
Phone 316/263-6139

Contractor: License # 5421  
Name Sage Drilling Co., Inc.

Wellsite Geologist N/A  
Phone

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

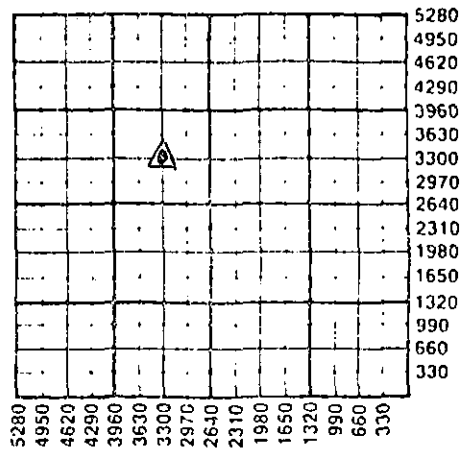
If OWD: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: X Mud Rotary Air Rotary Cable  
5-3-82 5-17-82 4-12-88  
Spud Date Date Reached TD Completion Date  
6040 1490  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 1564 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/SX cmt  
Cement Company Name  
Invoice #

Section Plat



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 Rge East West

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

RECEIVED  
STATE CORPORATION COMMISSION

APR 18 1988

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 Charles Casey Coats  
Charles Casey Coats  
Title Petroleum Engineer Date 4-18-88

Subscribed and sworn to before me this 18 day of April 1988  
Notary Public Peggy A. Clutter  
Peggy A. Clutter  
Date Commission Expires May 11, 1989

PEGGY A. CLUTTER  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXPIRES MAY 11, 1989

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)  
4-18-88

Sec. 1, Twp. 34S, Rge. 31E

Operator Name Sage Drilling Co., Inc. Lease Name Black Well # 2-1

Sec. 1 Twp. 34S Rge. 31 East West County Seward

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

DST #1 (Toronto) 4328-4343, 30/60/60/120 min, 1st & 2nd op, sto blo, NGTS; IH 2086#, IFP 50-60# ISIP 1098#, FFP 83-116#, FSIP 1131#, FH 2069#, BHT 111° F; rec. 60' MCO, 120' oil, 60' SW (Cl 90,000 ppm, Rw .075 at 69° F)

DST #2 (Chester) 5760-5798, 30/60/60/120 min, 1st op, wk blo, 2nd op, no blo, IH 2780#, IFP 172-219#, ISIP 329#, FFP 344-407#, FSIP 532#, FH 2750#, BHT 132° F, Rec. 20' DM

DST #3 (5920-6000') 30/60/60/120 min, 1st op. wk blo inc. to sto blo, 2nd op, sto blo; IH 3032 psi, IFP (plugging) ISIP 1838 psi, FFP 144-159 psi, FSIP 1083 psi, FH 2875 psi, BHT 134° F; rec. 4500' gas, 240' M & GCO, 200' sli GCO

Name	Top	Bottom
Herrington	2612 (+ 121)	
Krider	2650 (+ 83)	
Winfield	2744 (- 11)	
Council Grove	2986 (- 253)	
Heebner	4298 (-1565)	
Toronto	4316 (-1583)	
Lansing	4440 (-1707)	
Marmaton	5114 (-2381)	
Cherokee	5300 (-2567)	
Morrow	5616 (-2883)	
Mississippi	5689 (-2956)	
Chester	5766 (-3033)	
St. Gen.	5806 (-3073)	
St. Louis	5920 (-3187)	

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	24	1564	All CI H	550 150	1 1/4# SX flocele, 2% CC 3% CC
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
4	1032 to 1042 1052 to 1082			2000 gal H15-50 7.1/2% HCL Acid		1032 to 82	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2 7/8		Set At 993		Packer at 993			
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 .....

SWD well 25" vacuum taking initially 220 BPD