

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.....
nameSage Drilling Co., Inc.....
address202 S. St. Francis.....
City/State/Zip Wichita, KS. 67202

Operator Contact PersonCasey Coats.....
Phone316-263-6139.....

Contractor: license #5421.....
nameSage Drilling Co., Inc.....

Wellsite GeologistRay Palmer.....
Phone316-722-9090.....
PURCHASER, Inland Purchasing & Transportation Co.

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply etc.)

If VO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable

.11-13-85. .11-21-85. .12-17-85.
Spud Date Date Reached TD Completion Date

.4463' .4413'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at ...473... feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If Yes, Show Depth Set1443... feet
(w/300 sx. lite cement w/1/4#/sk flocele)
If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

API NO. 15 - 083-21,221

CountyHodgeman.....

20' W of C S/2 Sec 16 Twp 21S Rge 22 West
(location)

1320 Ft North from Southeast Corner of Section
2660 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

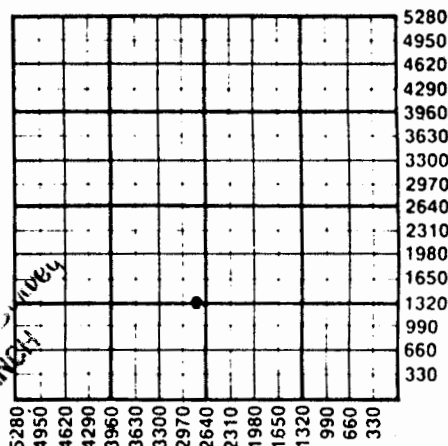
Lease NameWIELAND..... Well#2.....

Field NameWieland.....

Producing FormationMississippi.....

Elevation: Ground2282..... KB2288.....

Section Plat



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 Cheyenne Oil Serv.
(purchased from city, R.W.D.#)
bought from an irrigation well

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.

SIDE TWO

Operator Name ... Sage Drilling Co., Inc. Lease Name Wieland Well# 2 SEC 16 TWP 21S RGE 22 ☐ 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
Heebner Shale	3720'	
Lansing	3771'	
Ft. Scott	4282'	
Cherokee	4310'	
Mississippi	4381'	

DST #1: (Mississippi) 4378-99'/30-60-60-60.

Recovered: 240' GIP, 1228' C1 Gassy Oil (25% gas) (39°)
 312' GCM (50% oil) 60' G&OCM (5% water)
 IHP: 2121; IFP: 225-334; ISIP: 1199; FFP: 518-591;
 FSIP: 1154; FHP: 2121; BHT: 119°

DST #2: (Mississippi) 4399-4411'/30-60-60-60

Recovered: 60' GIP, 75' C1 Gassy Oil (25% gas), 39°,
 120' 32% oil, 40% water, 28% mud; 180' 15% oil, 65% wtr,
 20% mud; 240' 5% oil, 90% water, 5% mud.

TUBING RECORD size 2-3/8" set at tubing anchor packer at 4324		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First Production 1-2-86	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
	66.7	TSTM	72.2
	Bbls	MCF	Bbls
			Gravity
			36°

Disposition of gas: ☒ vented
☐ sold
☐ used on lease

METHOD OF COMPLETION

☐ open hole ☒ perforation
☐ other (specify)
☐ Dually Completed.
☐ Commingled

PRODUCTION INTERVAL

4383 to 4388

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 1/2"	8-5/8"	23	473	60-40 pozmix	275	2% gel, 3% CaCl.
Production	7-7/8"	4 1/2"	10.5	4462'	Class A	110	18% salt, 5% Cal- Seal, 1% Halad 322 in las 0 sx.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)		Depth	
4	4383 to 4388			300 gal 10% acetic acid		4383-88	
				1000 gal. 7 1/2% HCL acid		4383-88	
4	4396 to 4397			15 sx. Class A w/10% salt + 3/4 of 1% C322		4396-97	

DRILLERS LOG

WIELAND NO. 2

CASING RECORD: 8-5/8" set @ 473.45
w/275 sax cement

OPERATOR: Sage Drilling Co., Inc.

CONTRACTOR: Sage Drilling Co., Inc.

TOTAL DEPTH: 4463'

COMMENCED: November 13, 1985

COMPLETED: November 21, 1985

DESCRIPTION: 20' W C S/2
Sec. 16-21S-22W
Hodgeman County,
Kansas

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS:</u>
Shale & Sand	0	497	
Sand	497	1148	
Red Bed, Sand & Shale	1148	2270	
Red Bed, Lime & Shale	2270	2475	
Lime & Shale	2475	4463	

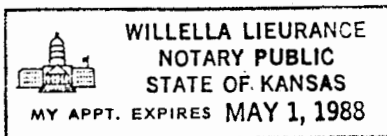
Ran DST#1 @ 4399',
DST#2 @ 4411'.
Logged Hole.
4 1/2" set @ 4462'
w/410 sax cement.

I certify that this is a true and correct copy of the log on the above captioned well to the best of my knowledge.

SAGE DRILLING CO., INC.

By: John R. Bartholomew
John R. Bartholomew

Subscribed and sworn to before me this 27th day of November, 1985.



Willella Lieurance
Willella Lieurance, Notary Public