

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 # 5407
name Hupfer Oil & Gas
address 3711 Country Lane
City/State/Zip Hays, KS 67601

Operator Contact Person Dennis D. Hupfer
Phone (913) 628-8666

Contractor: license # 5107
name H-30, Inc.

Wellsite Geologist Bobby Beard/Mike Fletcher
Phone (316) 792-8141

PURCHASER Koch Oil 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 OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
7-24-84 8-2-84 8-3-84
Spud Date Date Reached TD Completion Date
4390'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 307' feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated from 307' feet depth to surface w/ 225' SX cmt

API NO. 15 - 145-21,139-0000

County Pawnee

NE NE SE Sec 16 Twp 23S Rge 17 East West

2310 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

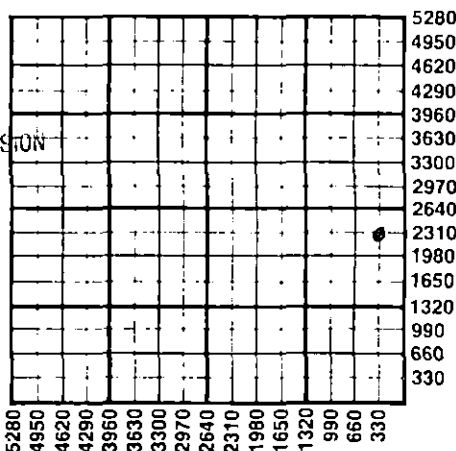
Lease Name Cline "A" Well# 2

Field Name Garfield

Producing Formation Meisner Sand

Elevation: Ground 2095 KB 2100

Section Plat



RECEIVED
OCT 01 1984
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit # 4090

Groundwater 2310 Ft North From Southeast Corner and
380 Ft. West From Southeast Corner of
Sec 16 Twp 23 Rge 17 East West

Surface Water Ft North From Southeast Corner and
Ft West From Southeast Corner
Sec Twp Rge East West

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

Disposition of Produced Water Currently Disposal
hauling Repressuring
Docket # CD-48270 C-20,891

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 *Dennis D. Hupfer*
Title President Date 9-25-84

Subscribed and sworn to before me this 27 day of September 19 84

Notary Public *Guadalupe R. Schmidt*
Date Commission Expires July 24, 1987

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Sec. 16 Twp. 23 Rge. 17E

SIDE TWO

Operator Name Hupfer Oil & Gas Lease Name Cline "A" Well# 2 SEC 16 TWP. 23 RGE. 17 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

DST #1 - Conglomerate Chert: 4210 to 4240. 45-30-45-30. Stabilized @ 12,200 CFGPD 3/4" choke. Recovered 75 ft. HOCM, 186 ft. muddy oil & 60 ft. oily water. IBHP 316, FBHP 305, IFP 124-153, FFP 169-192.

DST #2 - Mississippi: 4260 to 4290 - 45-30-45-30. Recovered 65 ft. gassy drilling mud. IBHP 78, FBHP 66, IFP 44-44, FFP 44--4.

DST #3 - Meisner Sand: 4303 to 4320 - 45-30-45-30. Recovered 1486 ft. G.I.P., 130 ft. HOCM, 120 ft. muddy oil IBHP 437, FBHP 500, IFP 62-75, FFP 75-100.

DST #4 - Kinderhook Sand: 4350 to 4370 - 45-30-45-30. Recovered 170 ft. gassy muddy water with oil specks. IBHP 978, FBHP 878, IFP 88-108, FFP 118-118.

Name	Top	Bottom
Sand, rock & shale	0'	695'
Sand, shale & lime	695'	1133'
Anhydrite	1133'	1154'
Sand, shale & lime	1154'	1365'
REd bed & shale	1365'	1820'
Lime & shale	1820'	4164'
Shale & lime	4164'	4240'
Lime & shale	4240'	4320'
Shale & lime	4320'	4339'
Lime & shale	4339'	4370'
Shale & lime	4370'	4390'
Rotary total depth	4390'	
TOPS:		
Heebner	3678	-1578
Toronto	3694	-1594
Douglas Shale	3704	-1604
Brown Lime	3787	-1687
Lansing	3794	-1694
Base K.C.	4077	-1977
Cong. Sand	4215	-2115
Cong. Chert	4232	-2132
Mississippi	4259	-2159
Meisner Sand	4302	-2202
Kinderhook Sand	4350	-2250
Viola	4381	-2281
T.D.	4390	-2290

Completion: MICT - Perforate Meisner Sand 4302 to 4308, 4 holes per foot. Show of oil natural. Acidized with 300 gal. FE 15%. Swabbed load. Good show of oil. Frac with 75 sxs. 20/40 sand and 25 sxs. 10/20 sand with 500 bbl. gel frac. Treated @ 16 BPM @ 480 PSI. Swabbed 60 bbl. of 500 bbl. load. Good show of oil. Ran tubing & rods. Put on Pump. Pump 38 BOPD; 20 BW.

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#	307'	60/40	225	3% cc, 2% gel
... PRODUCTION ...	7-7/8"	5-1/2"	14#	4388'	D-29 Exp.	125 common	10% salt w/ 750 gal. B-J mud sweep.
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 per foot	4302 to 4308			300 gal. FE 15% 75 sxs. 20/40 sd. & 25 sxs. 10/20 & 500 bbl. gel water.			4302 to 4300
TUBING RECORD				Liner Run			
size 2-3/8		set at 4355	packer at	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
Sept. 5, 1984							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	38	T.S.T.M.	20			37	
	Bbls	MCF	Bbls	CFPB			

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION: open hole perforation other (specify)

PRODUCTION INTERVAL: Meisner Sand 4302 to 4308

Dually Completed. Commingled