

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 # 5056 name F. G. HOLL address 6427 East Kellogg City/State/Zip Wichita, Kansas 67207

Operator Contact Person Chris A. Bird Phone (316) 684-8481

Contractor: license # 5042 name Sterling Drilling Co.

Wellsite Geologist Bob F. Mallory Phone

Designate Type of Completion

- New Well, Re-Entry, Workover, Oil, Gas, Dry, SWD, Inj, Other, Temp Abd, Delayed Comp.

If OWWO: old well info as follows:

Operator, Well Name, Comp. Date, Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary, Air Rotary, Cable. Spud Date, Date Reached TD, Completion Date

Total Depth 4540, PBSD

Amount of Surface Pipe Set and Cemented at 254.49' 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 - 047-21,184-0000

County Edwards

NE NE NW Sec 31 Twp 24S Rge 16 East West

4950 Ft North from Southeast Corner of Section 2970 Ft West from Southeast Corner of Section

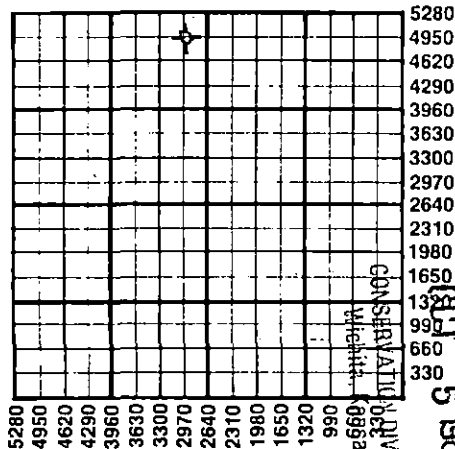
Lease Name HACKER Well# 2-31

Field Name Embry

Producing Formation N.A.

Elevation: Ground 2092 KB 2101

Section Plat



STATE CORPORATION COMMISSION RECEIVED 5 1984

WATER SUPPLY INFORMATION

Source of Water: 10-5-84 Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner and Ft. West From Southeast Corner of Sec Twp Rge 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: 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.

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.

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 Wilfred J. Monk Title Geologist Date 7/3/84

Subscribed and sworn to before me this 3 day of July 1984

Notary Public MARY J. STUBBLE Date Commission Sedgwick County, Kansas My Appt. Exp. 10/30/85

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

Form ACO-1 (This form supercedes previous forms ACO-1 & C-10)

Sec 31 Twp 24S Rge 16W

SIDE TWO

Operator Name ... F. G. HOLL ... Lease Name HACKER ... Well# 2-31 SEC 31 TWP 24S RGE 16  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	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Cores Taken	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Surface Soil and Sand	0	95
Clay and Shale	95	275
Shale, Sand, Red Beds	275	730
Shale	730	1114
Anhydrite	1114	1126
Shales	1126	1504
Lime and Shale	1504	4540

	<b>Formation Description</b>	
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
<b>Name</b>	<b>Top</b>	<b>Bottom</b>
Heebner	3746	3882
Brown Lime	3882	3890
Lansing KC	3890	4146
Base KC	4146	4312
Cherokee Sh	4312	4384
Conglomerate Ch	4384	4392
Mississippi	4392	4406
Kinderhook Sh	4406	4423
Kinderhook Ss	4423	4492
Viola	4492	4540
RTD		4540
ELog TD		4541

DST No. 1                      4329-4408 (Mississippi)  
    30-30-60-30  
 Strong blow throughout test gas to surface in 13  
 minutes. Gauged: 152,000 CFG/d, Spraying muddy water  
 Rcd: 1660 Salt Water  
 IFP 453-513    ISIP 1159    IHP 2161  
 FFP 546-694    FSIP 953    FHP 2126

<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		8 5/8	23	267	60/40 Pozmix	210	3% cc
<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
	N.A.			N.A.			
<b>TUBING RECORD</b>				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
size	set at			packer at			
Date of First Production	Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
N.A.							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

Disposition of gas:     vented     sold     used on lease

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

Dually Completed.     Commingled

**PRODUCTION INTERVAL**