

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 # 5293
name Helmerich & Payne, Inc.
address P.O. Box 558
City/State/Zip Garden City, KS 67846

Operator Contact Person Millard L. Lindsay
Phone 316-276-3693

Contractor: license # 5665
name Pioneer Drlg. Co.

Wellsite Geologist Alan Downing
Phone 913-625-3550

PURCHASER Kaw Pipeline

Designate Type of Completion
XX 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
8-2-84 8-9-84 9-14-84
Spud Date Date Reached TD Completion Date

3782 3765
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 257 feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated
from 1487 feet depth to surface w/ 480 SX cmt

API NO. 15-051-23981-00-00

County Ellis

C. SE NE SE Sec 26 Twp 13 Rge 20 East West

1650 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

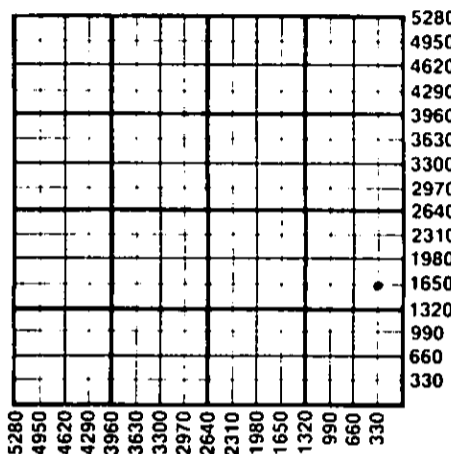
Lease Name Kraus A Well# 8

Field Name Irvin

Producing Formation Arbuckle

Elevation: Ground 2145 KB 2150

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) Contract Hauled
(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 Millard Lindsay
Title District Production Manager Date 9-17-84

Subscribed and sworn to before me this 17th day of September 19 84

Notary Public Betty J. Purdy
Date Commission Expires 6 Aug 86

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)

Sec 26 Twp 13 Rge 20 East

Operator Name Helmerich & Payne, Inc. Case Name .. Kraus A. Well# 8 SEC 26 TWP. 13S RGE. 20

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

Log Tops

Anhydrite 1452
 Anhydrite Base 1494
 Topeka 3155
 Heebner 3395
 Toronto 3417
 LKC 3438
 BKC 3690
 Marmaton 3726
 Arb 3757

DST #1 3616 - 3638 LKC J
 15 - 30 - 30 - 60
 IH - 1978
 IFP - 39 to 39
 ISIP - 267
 FFP - 39 to 39
 FSIP - 267

FH- 1958 Rec: 20' of watery mud

DST #2 3758 - 3775 Arbuckle
 15- 45- 30 - 75
 IH - 2081
 IFP - 97 - 182
 ISIP - 1146
 FFP - 315 - 466
 FSIP - 1145

FH - 2051 Rec: 500' gas
 790' GO
 330' HG & Frothy Oil

Name	Top	Bottom
Arbuckle	3759	3769
Dolomite	10 to 18% ØN 10 ohm-m res. Sw = 45% @ Rw = .08	
LKC J	3618	3634
	14% ØN Sw = 16% @ Rw = .05	
LTD - 3783		
RTD - 3782		

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#	257	Class A	150	2% gel, 3% CaCl ₂
Production	7 7/8	5 1/2	14#	3781	Self Stress	125	
				Top	60/40 Poz	380	4% gel, 1/4% cellol
		Stage Top	@ 1487	Stage	Class A	50	2% gel, 3% CaCl ₂
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)		Depth	
2	3759 - 3769 3772 - 3777			80 gal. 15% MSR. acid		3759-3777	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method		size 2 3/8 set at 3766 packer at			
8-23-84		<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	Gas-Oil Ratio	Gravity		
	33 Bbls	--- MCF	130 Bbls	CFPB	36.6		

Disposition of gas: vented
 sold
 used on lease
 None

METHOD OF COMPLETION open hole perforation other (specify) _____

PRODUCTION INTERVAL
 Arb 3759 - 3769
 Arb 3772 - 3777

SEP 18 1984