

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 # 5673
name W. L. Kirkman, Inc.
address P.O. Box 18611, 453 S. Webb Road
City/State/Zip Wichita, Kansas 67207

Operator Contact Person Wayne L. Kirkman
Phone (316) 685-5372

Contractor: license # 5829
name Aldebaran Drilling Co., Inc.

Wellsite Geologist Brian J. Kissick
Phone (316) 685-5372

PURCHASER Koch Oil Company

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

6-18-84 7-4-84 7-4-84
Spud Date Date Reached TD Completion Date

6440 5745
Total Depth PBT

Amount of Surface Pipe Set and Cemented at 1484 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. 15-119-20,663-00-00

County Meade

App. C NE SE Sec 2 Twp 34S Rge 29 West

1980 Ft North from Southeast Corner of Section
660 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

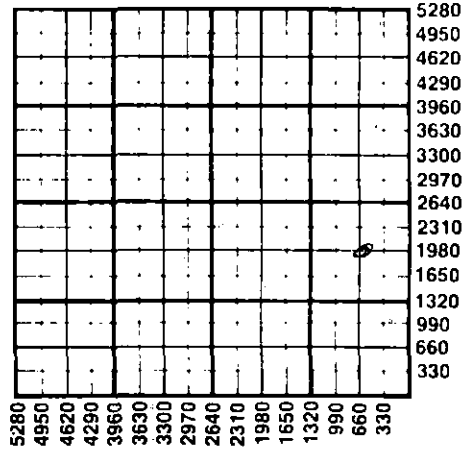
Lease Name Cordes Well# A-1

Field Name

Producing Formation N/A K&Kcc

Elevation: Ground 2468 KB 2476

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

Groundwater N/A Ft North From Southeast Corner and
(Well) N/A Ft. West From Southeast Corner of
Sec 2 Twp 34S Rge 29 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 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.

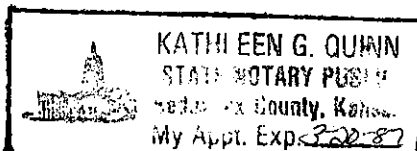
CONSERVATION DIVISION
Wichita, Kansas

Signature Wayne L. Kirkman
Title President Date 10-3-84

Subscribed and sworn to before me this 3rd day of October 19 84

Notary Public Kathleen G. Quinn
Date Commission Expires 3-20-87

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. 2 Twp. 34 Rge. 29 W

SIDE TWO

Operator Name W. L. Kirkman, Inc. Lease Name Cordes Well# A-1 SEC. 2 TWP. 34S RGE. 29 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
Council Grove	3060	(- 584)
Heebner	4374	(-1898)
Lansing	4537	(-2061)
Swope 'porosity'	5043	(-2567)
Marmaton	5183	(-2707)
Cherokee Shale	5382	(-2906)
Morrow	5708	(-3232)
Chester	5812	(-3336)
St. Genevieve	6146	(-3670)
St. Louis Porosity	6276	(-3800)

DST #1

The Council Grove 'C' and 'D' zones were tested together:

3107-41
 30-60-45-90
 IF: 124-296
 ISIP: 866
 FF: 325-402
 FSIP: 866
 JP: 1498-1459

Gas to surface 1st shut in

2nd opening: 5 min - 17.2 MCF
 10 min - 78. MCF
 15 min - 116. MCF
 20 min - 129. MCF
 25 min - 129. MCF
 30 min - 129. MCF
 35 min - 134. MCF
 40 min - 134. MCF
 45 min - 134. MCF

Recovery: 985' muddy slatwater - 50,000 ppm.

No shows were noted through either of these zones (3107-41) as samples were fine and "powdery" and no gas trailer was employed on this hole. Electric log examination shows lower water saturation figures through the "d" zone as well as "gas-effect" or "crossover" on the Neutron/Density Porosity Log. It is thought that the gas came from this zone and the water from the 'C' zone.

CONTINUED ON SEPERATE PAGE

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. 1/4	8. 5/8	23	1484	Class A	700	2% gel, 3% CC
Production	7. 7/8	5. 1/2	15.5	6188-35	L.W.	50	
					60-40 POZ	300	15% salt, .75% CFPB w/8# GIL/sack

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	5755-5757	400 gals. 15% MCA	5755-57
4	5259-5261	500 gals. 15% MCA	5259-61
		1500 gals. 28% acid	5259-61

TUBING RECORD				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 checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)				
	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	Bbls	MCF	Bbls	CFPB	

Disposition of gas: vented sold used on lease
 open hole perforation other (specify) _____
 Dually Completed. Commingled

PRODUCTION INTERVAL
 5259-5261

The "Middle" Marmaton at 5258 is described as: Limestone, light brown, fine crystalline, oolitic to oolitic, fair vuggy porosity, good oolitic porosity, good odor, good fluorescence, good show gas, fair show oil. DST #2 covers this zone.

5236-5280 10-15-30-45

IF: 124-124

ISIP: 769

FF: 153-162

FSIP: 972

HP: 2521-2511

RECOVERY: 4910' gas in pipe

10' mud cut oil

240' frothy oil

120' saltwater - chlorides 130,000 ppm.

A very slight show of oil was noted at 5344 to 5346 in the Marmaton. Log calculations show a porosity of 9% and a Sw of 70%.

At 5313 to 5318 in the Marmaton, limestone with a faint fluorescence and a fleeting odor was noted. E-log calculations show 14% porosity and Sw of 61%.

Three sands were encountered through the Morrow section. The top and bottom sands were tested. The middle sand was not tested as no sandstone was noted through the drilling break.

The first Morrow sand at 4346 is described as: Sandstone, fine grained, subangular to subrounded, glauconitic, good visible porosity, faint fluorescence, no odor, fair show oil and gas. This sand was covered by DST #3:

5733-5753 10-15-30-45

IF: 86-86

ISIP: 95

FF: 86-86

FSIP: 363

HP: 2856-2787

RECOVERY: 475' gas in pipe

65' gas cut mud

No sand was noted at 5754 to 5758. Examination of the E-log shows that a sand is probably present through this interval. No test was run.

The lower Morrow sand at 5774 through 5781 is described as: Sandstone, white, fine grained, subangular to subrounded, fair visible porosity, slight show oil and gas, only one cluster found. This sand was covered by DST #4:

5767-5785 10-15-30-45

IF: 95-95

ISIP: 817

FF: 134-134

FSIP: 1537

HP: 2885-2836

Recovery: 295' gas in pipe

5' gas cut mud

120' oil and gas cut watery mud (5% oil, 2% gas, 55% mud, 38% water)

60' slightly oil cut muddy water - chlorides 48,000 ppm

(2% oil, 1% gas, 25% mud, 72% water).

The Mississippian Chester drilled hard (4-5 minutes/foot). The E-log shows the upper 34' to be dense limestone with thin shale streaks scattered throughout. Sample examination showed dense limestone and also two pieces of: Limestone, fine crystalline, some fossiliferous, scattered pinpoint porosity, slight show oil. Only the bottom five feet of the upper 34' of Chester limestone was covered on DST #5:

5845-5875 10-15-30-45

IF: 57-57

ISIP: 57

FF: 57-57

FSIP: 67

HP: 2935-2885

RECOVERY: 60' mud

RECEIVED
STATE CORPORATION COMMISSION

OCT 04 1984

CONSERVATION DIVISION
Wichita, Kansas

A sandstone with a show of gas was encountered in the Basal Chester at 6080 to 6084 in the E-log. This sand is described as follows: Sandstone, fine grained, angular to subangular, much gilsonite, poor visible porosity, slight show of gas. This zone was not tested. The rest of the Basal Chester is a limey sandstone or a sandy limestone, gilsonitic, very slight to some with fair show of oil and poor visible porosity. E-log calculations show 10% porosity and 57% water saturation from 6112 to 6117 and 7% porosity and 52% water saturation at 6130.

Pipe was set at 6188 with the intention of further evaluating the Basal Chester Sand, Morrow Sand, Middle Marmaton, and Council Grove 'D' zone.