

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACD-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 31521Name: KENMARK CORPORATIONAddress P.O. Box 572City/State/Zip Hays, Kansas 67601Purchaser: KOCH Oil CompanyOperator Contact Person: Kenneth A. NortonPhone (913) 628-3422Contractor: Name: Discovery Drilling, Inc.License: 31548Wellsite Geologist: Mark Kilian

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☒ Oil ☐ SWD ☐ SLOW ☐ Temp. Abd.☐ Gas ☐ ENHR ☐ SIGW☐ Dry ☐ Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD☐ Plug Back ☐ PBD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj) ☐ Docket No. _____4/25/97 5/2/97 5/2/97

Spud Date Date Reached TD Completion Date

API NO. 15- 195-22190 0000 *me*County Trego- NE - NW - NW Sec. 14 Twp. 12S Rge. 21W W330 Feet from SW (circle one) Line of Section990 Feet from E (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Kohl Well # 5Field Name KohlProducing Formation ArbuckleElevation: Ground 2365 KB 2373Total Depth 4110 PBDAmount of Surface Pipe Set and Cemented at 211.23 FeMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 1722 Fe

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cm

Drilling Fluid Management Plan Att. 2, 4-10-98 U.C.
(Data must be collected from the Reserve Pit) Dist. 4 OK'dChloride content 16,000 ppm Fluid volume 2500 bbDewatering method used EvaporationLocation of fluid disposal if hauled offsite RECEIVED
KANSAS CORPORATION COMMISSIONOperator Name _____ AUG 21 1997

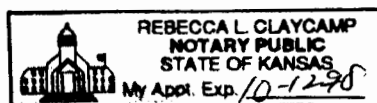
Lease Name _____ License No. _____

Quarter Sec. Twp. CONSERVATION DIVISION E/W
WICHITA, KS

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 Kenneth A. NortonTitle Vice-President, KENMARK CORPORATION Date Aug 20/1997Subscribed and sworn to before me this 20 day of Aug 19 97.Notary Public Rebecca L ClaycampDate Commission Expires 10-12-98

K.C.C. OFFICE USE ONLY		
F	☐	Letter of Confidentiality Attached
C	☒	Wireline Log Received
C	☒	Geologist Report Received
Distribution		
☒ KCC	☐ SUD/Rep	☐ NGPA
☐ KGS	☐ Plug	☒ Other
(Specify)		

Operator Name KENMARK CORPORATIONLease Name Ko' Well # 5Sec. 14 Twp. 12S Rge. 21W☐ EastCounty Trego☒ West

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 (Attach Additional Sheets.)	☒ Yes ☐ No	☒ Log ☐ Sample	Formation (Top), Depth and Datum
Samples Sent to Geological Survey	☐ Yes ☒ No	Name	Top Datum
Cores Taken	☐ Yes ☒ No	Anhydrite	1781 + 592
Electric Log Run (Submit Copy.)	☒ Yes ☐ No	Topeka	3412 -1039
List All E.Logs Run:		Heebner Shale	3629 -1256
RAG Log		Toronto	3649 -1276
Sonic Cement Bond Log		Lansing	3664 -1291
		Base Kansas City	3896 -1523
		Marmaton	3959 -1586
		Arbuckle	4026 -1658
		R.T.D.	4107 -1732

CASING RECORD

☐ New ☒ 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 Pipe	12 1/4	8 5/8	20	211.23	60/40Poz	140	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	4107	ASC	165	10%Salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☒ Plug Back TD	4048-4107	Standard	50 sks.	75% Ha-322; Sand 20/40
☒ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record. (Amount and Kind of Material Used)	Depth
2	4048 & 4058	1,500 gal. 15% FE Acid	
2	4031	500 gal. 15% FE Acid	
2	3966-78	250 gal. 15% FE Acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☐ No
	2 3/8"	4,020			
Date of First, Resumed Production, SWD or Inj.	June 4, 1997	Producing Method	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)		
Estimated Production Per 24 Hours	Oil 12 Bbls.	Gas Hcf	Water 36 Bbls.	25% Gas-Oil Ratio	33 Bbls. 25%

Disposition of Gas:

☐ Vented ☐ Sold ☒ Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Production Interval

3966'
4058'

evaluation.

Computer inventoried

14-125-21w
Kenmark, KOHL S

Marmaton 3966-3978

Limestone; tan, light brown, fine to medium crystalline, dolomitic to sandy limestone, with interbedded chert, white, brown, fair saturated stain, fair show of free oil, no odor; calc. 10% porosity, 55% SWS. Included in DST #1.

DST #1 Marmaton 3970-3995

Times: 30" 30" 30" 30"

Recovery: 30' Clean Oil, 60' Oil Cut Mud

Pressures: HP 2056-1986#, SIP 986-946#, FP 19-29#, 49-59#

Arbuckle 4030-4050

Dolomite, tan, cherty, fine to medium crystalline porosity, trace light stain, few pieces heavy dark stain, slight show of free oil, faint odor; calc. 12% porosity, 52% SWS. Included in DST #2.

Arbuckle 4050-4065

Dolomite, tan, granular to crystalline porosity, fair light saturated stain. Show of free oil, strong odor; calc. 16% porosity, 67% SWS. Included in DST #2.

DST #2 Arbuckle 4031-4065

Times: 45" 45" 30" 45"

Recovery: 258' GIP, 174' Clean Gassy Oil, 286' Mud Cut Gassy Oil

Pressures: HP 2087-2056#, SIP 946-917#, FP 49-98#, 127-137#

RECEIVED

KANSAS CORPORATION COMMISSION

Arbuckle 4065-4074

Dolomite, cream, good crystalline porosity, slight show of free oil, faint odor; calc. 10% porosity, 100% SWS. Included in DST #3.

DST #3 Arbuckle 4066-4074

Times: 15" 15" 0" 0"

Recovery: 10' Drilling Mud

Pressures: HP 2126-2046#, SIP 1096-0#, FP 9-19#, 0-0#

Summary and Recommendations

It was recommended 5 1/2" casing be set one foot off bottom at 4106' and both the Marmaton and Arbuckle be tested through casing. The 30' break in the Topeka should be perforated at 3440' to 3444', treated and tested before abandonment of this well.

Respectfully submitted,