

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

API NO. 15- 065-22,640

County Graham

- N/2 - NE - NW Sec. 22 Twp. 6S Rge. 23 X W

CONFIDENTIAL

KCC
12-6-23W
FEB 3

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: Koch Oil Company

Operator Contact Person: Jeff Christian

Phone (316) 267-4375

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: Kevin Kessler

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, 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 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11/15/91 11/20/91 12/06/91
Spud Date Date Reached TD Completion Date

4950 Feet N/S (circle one) of Section Line

3300 Feet E/W (circle one) of Section Line

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Nighswonger Well # 1

Field Name Kemper

Producing Formation Lansing

Elevation: Ground 2342' KB 2347'

Total Depth 3790' PBTB _____

Amount of Surface Pipe Set and Cemented at 256' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1958'-61' Feet

If All Other II completion, cement circulated from 1961'

feet depth to surface w/ 360 sx cmt.

Drilling Fluid Management Plan 2-6-92

Data must be collected from the Reserve Pit)

Fluoride content 1,000 ppm Fluid volume 246 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. 1932

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

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KANSAS CORPORATION COMMISSION

FEB 4 1992
CONSERVATION DIVISION
WICHITA KS

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RELEASED
30 1093
FROM CONFIDENTIAL

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 _____
Title President Date 2/03/92

Subscribed and sworn to before me this 3rd day of February, 19 92.

Notary Public Linda K. Rice
LINDA K. RICE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6/07/92

Date Commission Expires _____

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

WPC-2-21

Y900
County Graham

Sec. 12 Twp. 6S Rge. 23
 East
 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 Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:
RA Guard
Gamma Ray correlation

Log Formation (Top), Depth and Datums Sample

Name _____ Top _____ Datum _____

See attached page.

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CASING RECORD <input type="checkbox"/> New <input checked="" 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"	28#	256'	60/40 poz	185	2%gel, 3%CC
Production	7-7/8"	4 1/2"	10.5#	3787'	60/40 poz	150	10% salt, 3%gilsoni+

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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	
	3 SSB	3716'-22'		750 gal. of 15% NE

TUBING RECORD Size 2-3/8" Set At 3759' (5' off bottom) Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 12/06/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 6 Bbls. Gas _____ Mcf Water 3 Bbls. Gas-Oil Ratio _____ Gravity _____

Disposition of Gas: n/a METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval 3716'-22'

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

COPY

RITCHIE EXPLORATION, INC.
125 N. Market - Suite 1000
Wichita, Kansas 67202-1775
316-267-4375 FAX 316-267-3026

12-6-23w
KCC

FEB 4 3

CONFIDENTIAL

#1 Nighswonger
N/2 NE NW
Section 12-6S-23W
Graham County, Kansas
API# 15-065-22,640
ACO-1 form
Page 2

DRILL STEM TEST

DST #1 from 3700' to 3730'
(180' zone). Recovered 6' of
mud with few oil spots.
IFP:48-48#/45"; ISIP:298#/60";
FFP:48-48#/45"; FSIP:298#/60".

ELECTRIC LOG TOPS

Anhydrite	1994' (+ 353)
B/Anhydrite	2025' (+ 322)
Topeka	3333' (- 986)
Heebner	3530' (-1183)
Toronto	3555' (-1208)
Lansing	3570' (-1223)
B/KC	3758' (-1411):
LTD	3789' (-1442)

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WICHITA KS