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OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

September 1999
Form Must Be Typed

COPY

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address: P. O. Box 783188
City/State/Zip: Wichita, KS 67278-3188
Purchaser: Seminole Transportation & Gathering
Operator Contact Person: Karen Hopper
Phone: (316) 691-9500
Contractor: Name:
License:
Wellsite Geologist:
Designate Type of Completion:
___ New Well ___ Re-Entry XX Workover
XX Oil ___ SWD ___ SIOW ___ Temp
___ Gas ___ ENHR ___ SIGW
___ Dry ___ Other (Core, WSW, Expl., Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator: Ritchie Exploration, Inc.
Well Name: Kemper 14A
Original Comp. Date: 1/21/93 Original Total Depth: 3815'
___ Deepening XX Re-perf. ___ Conv. to Enhr./SWD
___ Plug Back ___ Plug Back Total Depth
___ Commingled Docket No.
___ Dual Completion Docket No.
___ Other (SWD or Enhr.?) Docket No.

11/19/01 Spud Date or Recompletion Date
Date Reached TD
11/23/01 Completion Date or Recompletion Date

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API No. 15 - 065-22,693-00
County: Graham
SE NW NE Sec. 14 Twp. 6 S. R. 23 ☐ East ☒ West
990 feet from S / (N) (circle one) Line of Section
1650 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: Kemper 14A Well #: 2
Field Name: Kemper SW
Producing Formation: L/KC
Elevation: Ground: 2354' Kelly Bushing: 2359'
Total Depth: 3815 Plug Back Total Depth: 3783'
Amount of Surface Pipe Set and Cemented at 246 Feet
Multiple Stage Cementing Collar Used? XX ☒ Yes ☐ No
If yes, show depth set 2024 Feet
If Alternate II completion, cement circulated from 2024
feet depth to surface w/ 525 sx cmt.

Drilling Fluid Management Plan Workover Ctd 2.18.03
(Data must be collected from the Reserve Pit)
Chloride content ___ ppm Fluid volume ___ bbls
Dewatering method used
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter ___ Sec. ___ Twp. ___ S. R. ___ ☐ East ☐ West
County: Docket No.:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: Production Manager Date: 2/11/02
Subscribed and sworn to before me this 11th day of February
2002
Notary Public: Karen Hopper
Date Commission Expires: 10-20-03

KAREN HOPPER
Notary Public - State of Kansas
My Appt. Expires 10-20-03

KCC Office Use ONLY
YES Letter of Confidentiality Attached
If Denied, Yes ☐ Date:
YES Wireline Log Received
YES Geologist Report Received
___ UIC Distribution

Side Two

Operator Name: Ritchie Exploration, Inc. Lease Name: Kemper 14A Well #: 2

Sec. 14 Twp. 6 S. R. 23 ☐ East ☒ West County: Graham

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	☒ Yes	☐ No	
Samples Sent to Geological Survey	☒ Yes	☐ No	
Cores Taken	☐ Yes	☒ No	
Electric Log Run (Submit Copy)	☒ Yes	☐ No	

List All E. Logs Run:
Radiation Guard Log

☒ Log ☐ Sample — Formation (Top), Depth and Datum

Name	Top	Datum
See attached sheet		

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	# Sacjs Used	Type and Percent Additives
surface	12 1/4"	8 5/8"	28#	246'	60/40	165	2% gel, 3% cc
production	7 7/8"	5 1/2"	14#	3813'	60/40	125	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 ___ 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	3751'-3754' LKC 180' zone	600 gal 15% NE	3751-54'
3	3649'-3652' LKC 50' zone	600 gal 15% NE	3649-52'
3	3605'-3608' (LKC-Top zone)	500 gal 15% NE	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	3751'		☐ Yes ☒ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method				
11/23/01	☐ Flowing	☒ Pumping	☐ Gas Lift	☐ Other (Explain)	

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0		35		35.4

Disposition of Gas	METHOD OF COMPLETION				Production Interval
☐ Vented ☐ Sold ☐ Used on Lease (If vented, Sumit ACO-18.)	☐ Open Hole	☒ Perf.	☐ Dually Comp.	☐ Commingled	
	☐ Other (Specify)				

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

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ORIGINAL

#2 Kemper-14A
SE NW NE
Section 14-6S-23W
Graham County, Kansas
API# 15-065-22,693

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ELECTRIC LOG TOPS	
Anhydrite	2033'(+ 326)
B/Anhydrite	2065'(+ 294)
Topeka	3364'(-1005)
Heebner	3563'(-1204)
Toronto	3587'(-1228)
Lansing	3604'(-1245)
B/KC	3792'(-1433)
LTD	3816'(-1457)

DST #1 from 3586' to 3610' (Top zone). Recovered 300' gas in pipe; 100' free oil; 80' very slight oil cut muddy water; and 420' saltwater.
IFP:66-171#/30";ISIP:353#/45";
FFP:238-267#/30";FSIP:353#/45".

DST #2 from 3614' to 3658' (35' and 50' zones). Recovered 390' gas in pipe; 205' free oil; 120' mud and water cut oil (75% oil, 20% water, 5% mud); 240' water and oil cut mud (20% oil, 15% water, 65% mud); and 1200' saltwater. 1765' total fluid (19% oil, 71% water, 10% mud).
IFP:185-505#/30";ISIP:1126#/30";
FFP:620-820#/30";FSIP:1126#/30".

DST #3 from 3654' to 3675' (90' and 100' zones). Recovered 360' saltwater.
IFP:47-76#/45";ISIP:1068#/45";
FFP:114-162#/45";FSIP:1049#/45".

DST #4 from 3728' to 3755' (180' zone). Recovered 25' free oil and 360' saltwater.
IFP:85-114#/30";ISIP:744#/30";
FFP:162-181#/30";FSIP:639#/30".