

Price

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

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 4767 **KCC**
 Name: Ritchie Exploration, Inc.
 Address: 8100 E. 22nd St. N., Bldg. 700 **MAY 31 2002**
 City/State/Zip: Wichita, KS 67226
 Purchaser: N/A **CONFIDENTIAL**
 Operator Contact Person: Rocky Milford
 Phone: (316) 691-9500
 Contractor: Name: L.D. Drilling, Inc.
 License: 6039
 Wellsite Geologist: Kim Shoemaker
 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: _____
 Original Comp. Date: _____ Original Total Depth: _____
 Deepening 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. _____

<u>4/23/02</u>	<u>5/1/02</u>	<u>5/2/02</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 193-20685-0000
 County: Thomas
60 ^W N2 S2 NW Sec. 31 Twp. 6 S. R. 35 East West
1650 feet from S / (N) (circle one) Line of Section
1260 feet from E / (W) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE (NW) SW
 Lease Name: Miller 31B Well #: 1
 Field Name: Wildcat
 Producing Formation: N/A
 Elevation: Ground: 3305' Kelly Bushing: 3310'
 Total Depth: 4725' Plug Back Total Depth: _____
 Depth of Surface Pipe Set and Cemented at 7 fts 8-5/8" at 324 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.
Drilling Fluid Management Plan Y&A Ev 4.9.03
 (Data must be collected from the Reserve Pit)
 Chloride content 3000 ppm Fluid volume 1000 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: Rocky Milford
 Title: GEOLOGIST Date: 6-7-02
 Subscribed and sworn to before me this 7th day of June
2002
 Notary Public: Debra K Phillips
 Date Commission Expires: 5/14/2003

KCC Office Use ONLY

Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

 **DEBRA K. PHILLIPS**
 Notary Public, State of Kansas

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Side Two

ORIGINAL

Operator Name: Ritchie Exploration, Inc. Lease Name: Miller 31B Well #: 1
Sec. 31 Twp. 6 S. R. 35 East West County: Thomas

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 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:

Radiation Guard Log

Log Formation (Top), Depth and Datum: From Sample
Name Top Datum

SEE ATTACHED

KCC
MAY 31 2002
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CASING RECORD <input checked="" 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 Casing	12-1/4"	8-5/8"	23#	324'	60/40 Poz	190	2% gel, 3% CC

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

TUBING RECORD	Size	Set At	Packer At	Liner Run	
				Yes	No

Date of First, Resumed Production, SWD or Enhr.	Producing Method					
	Flowing	Pumping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

Disposition of Gas Vented Sold Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____



#1 Miller 31B
 60' W C N/2 S/2 NW/4
 Section 31-6S-35W
 Thomas County, Kansas
 API# 15-193-20685
 L.D. Drilling, Inc.
 Field: Kim Shoemaker
 Office: Rocky Milford
 Graded Elevation: 3305' GL; 3310' KB (ground level raised 1' while making location)

Release
 JUL 1 8 2004
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Electric Log Tops

Anhydrite	2905'	+405	-1
B/Anhydrite	2940'	+370	-2
Wabaunsee	3812'	+502	-15
Heebner	4116'	-806	-11
Lansing	4162'	-852	-11
Stark	4359'	-1049	-9
B/KC	4416'	-1106	-9
Marmaton	4431'	-1121	-9
Pawnee	4537'	-1227	-13
Fort Scott	4601'	-1291	-7
Cherokee	4629'	-1319	-6
LTD	4724'	-1414	
RTD	4725'	-1415	

4/27/02: DST #1 3818' to 3846' (Wabaunsee)
 Recovered 5' of Mud with some free oil specks in tool.

IFP: 5-9#/30" ISIP: 655#/30"
 FFP: 6-8#/30" FSIP: 659#/30"

4/29/02: DST #2 4279' to 4389' (L/KC "H-K" zones)
 Recovered 149' of muddy water (46% mud, 54% water); 124' of muddy water (35% mud, 65% water). 273' of total fluid with a few oil specks and some free oil in tool (25% mud, 75% water).

IFP: 11-74#/45" ISIP: 1280#/45"
 FFP: 76-133#/45" FSIP: 1254#/45"

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DST #3 4467' to 4511' (Altamont "B" and "C" zones)
Recovered 3' of mud with good free oil in tool and good gassy odor.

IFP: 9-12#/30" ISIP: 255#/30"
FFP: 19-20#/30" FSIP: 228#/30"

KCC

MAY 31 2002

4/30/02: DST #4 4518' to 4558' (Pawnee)
Recovered 2' of mud with a few oil specks in tool.

IFP: 7-7#/30" ISIP: 36#/30"
FFP: 9-8#/30" FSIP: 32#/30"

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