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KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999

KCC WICHITA

WELL COMPLETION FORM WELL HISTORY DESCRIPTION OF WELL & LEASE

Form Must Be Typed

WELL HISTORY - DESCRIP	ORIGINAL
Operator: License #_4767	API No. 15 - 101-21851-00-00
Name: Ritchie Exploration, Inc.	County: Lane
Address: P.O. Box 783188	C -NE - SW- Sec. 17 Twp. 17 S. R. 28 ☐ East West
City/State/Zip: Wichita, KS 67278-3188	1980 feet from S N (circle one) Line of Section
Purchaser: NCRA	2013 feet from E / (Gircle one) Line of Section
Operator Contact Person: John Niernberger AUG 0 8 2005	Footages Calculated from Nearest Outside Section Corner:
Phone: (316) 691-9500	(circle one) NE SE NW SW
Contractor: Name: CONFIDENTIAL	Lease Name: Penka 17C Well #: 1
License:	Field Name: Shields
Wellsite Geologist:	Producing Formation: LKC & Marmaton
Designate Type of Completion:	Elevation: Ground: 2770 Kelly Bushing: 2782
New Well Re-Entry Workover	Total Depth: 4620 Plug Back Total Depth: 4578
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 245 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth set 2129 Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 2129
Operator: Ritchie Exploration, Inc.	feet depth to surface w/ 300 sx cmt.
Well Name: Penka 17C #1	
Original Comp. Date: 10/28/04 Original Total Depth: 4620'	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	. 425-1
Plug Back Plug Back Total Depth	Chloride contentppm Fluid volumebbls
Commingled Docket No.	Dewatering method used
Dual Completion	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
·	Lease Name: License No.:
7/27/05 7/27/05 7/27/05 Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East _ West
Recompletion Date Reached 10 Completion Date of Recompletion Date	County: Docket No.:
	·
INSTRUCTIONS: An original and two copies of this form shall be filed with t Kansas 67202, within 120 days of the spud date, recompletion, workover Information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs a TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	r or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. It months if requested in writing and submitted with the form (see rule 82-3- Ind geologist well report shall be attached with this form. ALL CEMENTING
All requirements of the statutes, rules and regulations promulgated to regulate herein are complete and correct to the best of my knowledge.	
Signature	KCC Office Use ONLY
Title: Production Manager Date: 8/8/05	Letter of Confidentiality Received
Subscribed and sworn to before me this 8 day of Augus t	If Denied, Yes Date:
2005	Wireline Log Received
20 0 A DEBRA K. PHIL	Geologist Report Received
Notary Public State of	Kensas UIC Distribution
Date Commission Expires: 5/4/07 (My Appt. Expires 5/4/07	/

CONFIDENTIAL

Side Two

ORIGINAL

Operator Name: Rit	chie Exploration,	Inc.	Lease Na	me: Penka 17C		. Well #:		
Sec Twp	17 S. R. 28	☐ East	County: _L	ane				
tested, time tool ope temperature, fluid re	en and closed, flowin covery, and flow rate	and base of formations g and shut-in pressure es if gas to surface test final geological well sit	s, whether shut- , along with final	in pressure reached	d static level, hydro	static pressu	res, bottom hole	
Drill Stem Tests Take		✓ Yes		Log Forma	tion (Top), Depth a	nd Datum	✓ Sample	
Samples Sent to Geological Survey		✓ Yes No		Name		Тор	Datum	
Cores Taken		☐ Yes ✓ No						
Electric Log Run (Submit Copy)		✓ Yes			ATTACHED	RECEIVED		
List All E. Logs Run:				•				
Dual Inductio	n Log		CONFID	CONFIDENTIAL		AUG 0 9 2005		
						KC	C WICHITA	
	· . • .	_		New V Used	ction, 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	245	common	150	3%cc, 2% gel	
Production	7-7/8	5-1/2	15.5	4620	60/40 pozmix	200	10% salt, 2% gel, 3/4% CD-31	
		ADDITION	AL CEMENTING	/ SQUEEZE RECOR	D			
Purpose: —— Perforate —— Protect Casing —— Plug Back TD —— Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Use	ed .	Type and Pe	ercent Additives		
1,, 1,, 1,	PERFORATI	ON RECORD - Bridge P	luge Set/Type	Acid Fr	acture Shot Cement	Sauseze Reco	rd	
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			
4	4295'- 4304', 42	05) 4000 gallor	4000 gallons 15% NE					
4	4330'- 4333' (Marmaton - 11/04) 750 gallons 15% NE							
	*Released bull-plug p	roduction packer to produ	uce all zones toget	ther.				
							·	
TUBING RECORD 2-	Size 7/8	Set At 4556'	Packer At	Liner Run	Yes / No			
Date of First, Resumer 7/27/05	d Production, SWD or E	Enhr. Producing M		lowing 📝 Pump	oing Gas Lift	Oth	er (Explain)	
Estimated Production Per 24 Hours	93	Bbls. Gas	Mcf 2	Water	Bbls. G	as-Oil Ratio	Gravity 36	
Disposition of Gas	METHOD OF (COMPLETION		Production Inte	erval			
Vented Sold	Used on Lease	☐ Open Hol		Dually Comp.	Commingled	-		





#1 Penka 17C 1980' FSL & 2013' FWL Section 17-17S-28W Lane County, Kansas API# 15-101-21851-00-00 Murfin Drilling, Inc. #22 Field: Mike Engelbrecht 2770' GL: 2782' KB KCC AUG 0 8 2005 CONFIDENTIAL

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Sample Tops		
Anhydrite	2159	+623
B/Anhydrite	2188	+594
Heebner	3930	-1148
Lansing	3970	-1188
Muncie Shale	4127	-1345
Stark Shale	4221	-1439
Marmaton	4322	-1540
Altamont	4344	-1562
Fort Scott	4471	-1689
Cherokee	4493	-1711
Mississippian	4558	-1776
RTD	4620	-1838