COPY

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

RECEIVED
FEB 11 2002
KCC WICHITA

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address: P.O. Box 783188
City/State/Zip: Wichita, KS 67278-3188
Purchaser: Eott
Operator Contact Person: Karen Hopper
Phone: (316) 691-9500
Contractor: Name: KCC SA
License: FEB 07 2001
Wellsite Geologist:
CONFIDENTIAL RELEASED
Designate Type of Completion:
MAR 15 2004
FROM CONFIDENTIAL

___ New Well ___ Re-Entry _X_ Workover
_X_ 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: Ritchie Exploration, Inc.
Well Name: Frazey
Original Comp. Date: 2/21/84 Original Total Depth: 3870'

___ Deepening ___ Re-perf. ___ Conv. to Enhr./SWD
___ Plug Back ___ Plug Back Total Depth
_XX_ Commingled Docket No.
___ Dual Completion Docket No.
___ Other (SWD or Enhr.?) Docket No.

11/8/01 Spud Date or Recompletion Date
Date Reached TD
11/12/01 Completion Date or Recompletion Date

API No. 15 - 065-21,910
County: Graham
SW - SW - NW Sec. 18 Twp. 6 S. R. 21 ☐ East ☒ West
2310 feet from S / (N) (circle one) Line of Section
4700 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: Frazey Well #: 1
Field Name: Boys Southwest
Producing Formation: LKC, Conglomerate Sand
Elevation: Ground: 2307' Kelly Bushing: 2312'
Total Depth: 3870' Plug Back Total Depth: 3817'
Amount of Surface Pipe Set and Cemented at 259' Feet
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No
If yes, show depth set 1974' Feet
If Alternate II completion, cement circulated from 1974'
feet depth to surface w/ 500 sx cmt.

Drilling Fluid Management Plan WO Ext 11-11-02
(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: 2/7/02
Subscribed and sworn to before me this 7th day of February, 2002
Notary Public: Karen Hopper
Date Commission Expires:

KAREN HOPPER
Notary Public - State of Kansas
My Appt. Expires 10/27/03

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

Side Two

Operator Name: Ritchie Exploration, Inc. Lease Name: Frazey Well #: 1

Sec. 18 Twp. 6 S. R. 21 ☐ 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:

R A Guard

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

Name Top Datum

See attached

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	12.5"	8 5/8"	23#	259'	common	175	2% gel,3% cc
production	7 7/8"	4 1/2"	10.5#	3856'	60/40 poz	200	10% salt

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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	3806' - 3809'	500 gal of 15% acid	
1	3748', 3739'	1200 gal of 28% acid	
2	~~3715'-18', 3737'-40', 3747'-50'~~	~~750 gal of 28% acid~~	
4	3686' - 3687.5'	400 gal of 28% acid	
2	3562.5' - 3565'	600 gal of 28% acid	
	Drill out CIBP @ 3796'		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	3809'		☐ Yes ☒ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method				
11/12/01	☐ Flowing	☒ Pumping	☐ Gas Lift	☐ Other (Explain)	

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	6		2		22.3

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Vented ☐ Sold ☐ Used on Lease ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☒ Commingled

(If vented, Sumit ACO-18.) ☐ Other (Specify)

KCC
FEB 07 2001
CONFIDENTIAL

CONFIDENTIAL

RECEIVED
FEB 11 2002
KCC WICHITA

ORIGINAL

DST #1 from 3514'-3582' (Toronto & Top zone). Gas to surface 20 min. into the 2nd opening. Recovered 3,000' of gassy oil (35° gravity). IFP:517-930#/30"; ISIP: 1267#/30"; FFP:1028-1136#/30"; FSIP:1267#/30".

DST #2 from 3585'-3648' (35', 50', & 90' zones). Recovered 1760' of very slightly oil cut muddy water (2% gas, 2% oil, 83% water, & 13% mud). IFP:152-535#/30"; ISIP:1270#/30"; FFP:579-777#/30"; FSIP:1270#/30".

DST #3 from 3672'-3756' (140', 160', 180' 200' & 220' zones). Recovered 190' of heavy oil cut mud and 620' of muddy oil. IFP:109-262#/30"; ISIP:1205#/30"; FFP:327-371#/30"; FSIP:1195#/30".

DST #4 from 3754'-3824' (Conglomerate sand). Recovered 425' of very heavy oil cut mud. IFP:132-176#/30"; ISIP:1147#/30"; FFP:242-275#/30"; FSIP:1126#/30";

DST #5 from 3575'-3615' (log measurements, 35' zone). Straddle test. Lost tool and 255' of tail pipe in hole. Preparing to fish.

DST #6 from 3577'-3614' (log measurements, 35' zone). Straddle test. Recovered 10' of oil, 180' of slightly oil cut watery mud and 180' of slightly oil cut muddy water. IFP:65087#/30"; ISIP:1281#/30"; FFP:196-207#/30"; FSIP:1281#/30".

ELECTRIC LOG TOPS

Anhy	1964'(+ 348)
B/Anhy	1996'(+ 316)
Topeka	3288'(- 976)
Heebner	3532'(-1210)
Toronto	3546'(-1234)
Lansing	3562'(-1250)
B/KC	3754'(-1442)
Congl. Sd.	3805'(-1493)
Arb	3831'(-1519)
LTD	3866'(-1554)

RELEASED

MAR 15 2004

FROM CONFIDENTIAL