FORM MUST BE TYPED

SIDE ONE

COPY

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

DEC 18

CONFIDENTIAL

Operator: License # 4767

Name: Ritchie Exploration, Inc

Address 125 N. Market, Ste. 1000

City/State/Zip Wichita, KS 67202

Purchaser:

Operator Contact Person: Bob Mathiesen

Phone (316) 267-4375

Contractor: Name: Murfin Drilling Company, Inc.

License: 30606

Wellsite Geologist: Kitt Noah

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
X Dry ____ Other (Core, WSW, Expl., etc)

RELEASED

If Workover/Re-Entry: old well info as follows:

FEB 14 1995

Operator:

Well Name:

FROM CONFIDENTIAL

Comp. Date ____ Old Total Depth ____

____ Deepening ____ Re-perf. ____ Conv. to Inj/SWD
____ Plug Back ____ PBTD
____ Commingled Docket No. ____
____ Dual Completion Docket No. ____
____ Other (SWD or Inj?) Docket No. ____

10-26-92 | 11-04-92 | 11-04-92
Spud Date | Date Reached TD | Completion Date

API NO. 15- 193-20,601

County Thomas

SE - NE - NE Sec. 34 Twp. 8S Rge. 31 E X W

990 Feet from S/N (circle one) Line of Section

330 Feet from E/W (circle one) Line of Section

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

Lease Name Sunny Lea Well # 1

Field Name

Producing Formation

Elevation: Ground 2979' KB 2984'

Total Depth 4623' PBTD 4650'

Amount of Surface Pipe Set and Cemented at 290 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 12-30-92
(Data must be collected from the Reserve Pit)

Chloride content 1900 ppm Fluid volume 657 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Lease Name License No.

____ Quarter Sec. Twp. S Rng. E/W

County Docket No.

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. Rules 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.

RECEIVED
STATE CORPORATION COMMISSION
DEC 21 1992
CONSERVATION DIVISION
WICHITA, KS

Signature

Title President Date 12-18-92

Subscribed and sworn to before me this 18th day of December, 19 92.

Notary Public Lisa Thimmesch

Date Commission Expires

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 8-29-95

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 (Specify)

Form ACO-1 (7-91)

SIDE TWO

57796

Operator Name Ritchie Exploration, Inc. Lease Name Sunny Lea Well # 1

Sec. 34 Twp. 8S Rge. 31 ☐ East ☒ West County Thomas

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 (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:

no logs run

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

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	# Sacks Used	Type and Percent Additives
surface	12¼"	8-5/8"	28#	290'	60/40	190	2%Gel 3%CC

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

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

TUBING RECORD	Size	Set At	Packer At	Liner Run ☐ Yes ☐ No

Date of First, Resumed Production, SWD or Inj.	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, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other (Specify)

Production Interval

34-8-31W

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

COPY

#1 Sunny Lea
SE NE NE
Section 34-8S-31W
Thomas County, Kansas
API# 15-193-20,601

RELEASED
FEB 14 1995
FROM CONFIDENTIAL

DEC 18
CONFIDENTIAL

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INFORMATION
CONFIDENTIAL

SAMPLE TOPS	
Anhydrite	2610'(+ 374)
B/Anhydrite	2644'(+ 340)
Topeka	3726'(- 802)
Heebner	3989'(-1005)
Toronto	4012'(-1028)
Lansing	4027'(-1043)
Stark	4232'(-1248)
B/KC	4290'(-1306)
Marmaton	4309'(-1325)
Pawnee	4406'(-1422)
Myrick Sta	4452'(-1468)
Fort Scott	4477'(-1493)
Cherokee	4502'(-1518)
Miss. Lst.	4594'(-1610)
Miss. Dol.	4614'(-1630)
RTD	4623'(-1639)

DST #1 from 3983' to 4042' (Toronto and L/KC "A" zone). Recovered 15' mud.
IFP:42-42#/30";ISIP:914#/30";
FFP:42-42#/30";FSIP:841#/30".

DST #2 from 4042' to 4082' (L/KC "C" and "D" zones). Recovered 15' of mud with a few oil spots.
IFP:30-30#/30";ISIP:1260#/30";
FFP:30-30#/30";FSIP:1230#/30";

DST #3 from 4080' to 4110' (L/KC "E" and "F" zones). Recovered 1240' of water.
IFP:71-325#/30";ISIP:1170#/45";
FFP:386#-537#/30";FSIP:1149#/45".

DST #4 from 4141' to 4300' (L/KC "H" through "L" zones). Recovered 150' of watery mud.
IFP:30-30#/45";ISIP:1349#/45";
FFP:40-40#/45";FSIP:1339#/45".

DST #5 from 4313' to 4466' (Marmaton, Altamont "A" to Myrick Station). Recovered 20' mud.
IFP:40-40#/30";ISIP:406#/30";
FFP:50-50#/30";FSIP:345#/30".

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