

~~ORIGINAL~~

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

API NO. 15- 101-21,718

County Lane

SE-NE-SW Sec. 16 Twp. 18 Rge. 27W

1560 Feet from S (circle one) Line of Section

2268 Feet from E (circle one) Line of Section

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

Lease Name Lena Speer Well # 1

Field Name _____

Producing Formation N/A

Elevation: Ground 2694 KB 2699

Total Depth 4623 PSTD _____

Amount of Surface Pipe Set and Cemented at 231 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan D&A JX 9-4-96
(Data must be collected from the Reserve Pit)

Chloride content 18000 ppm Fluid volume 1285 bbls

Dewatering method used evaporation KCC

Location of fluid disposal if hauled offsite:
RELEASED JUN 25

Operator Name _____ CONFIDENTIAL

Lease Name _____ License No. _____

County _____ Docket No. _____

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: N/A

Operator Contact Person: Lisa Thimmesch

Phone (316) 267-4375

Contractor: Name: White & Ellis Drlg

License: 5420

Wellsite Geologist: Bob Mathiesen

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: _____

Comp. Date _____ Old Total Depth _____

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

4-12-96 4-19-96 4-20-96
Spud Date Date Reached TD Completion Date

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. Rule 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.

Signature [Signature]
Title President Date 6/24/96

Subscribed and sworn to before me this 24th day of June 1996

Notary Public Lisa Thimmesch
Date Commission Expires _____

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

RECEIVED
KANSAS CORPORATION COMMISSION
Distribution
SWD/Rep _____ XGPA
Plug _____ Other
(Specify)

JUN 27 1996

06-27-1996 Form ACO-1 (7-91)
CONSERVATION DIVISION
WICHITA, KS

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 8-29-99

Operator Name Ritchie Exploration, Inc. Lease Name Lena Speer Well # 1

Sec. 16 Twp. 18 Rge. 27W East West
 County Lane

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 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:

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

See attached sheet

| CASING RECORD <input 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 | 12 1/2" | 8 5/8" | | 231 | 60/40 poz | 140 | 2% gel 4% 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 <input type="checkbox"/> Yes <input type="checkbox"/> No |
|--|---|--------------------|------------------------|--|
| Date of First, Resumed Production, SWD or Inj. | Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | | | |
| Estimated Production Per 24 Hours | Oil <u>N/A</u> Bbls. | Gas <u>N/A</u> Mcf | Water <u>N/A</u> 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 _____

CONFIDENTIAL

ORIGINAL

#1 Lena Speer
Approx SE NE SW
Section 16-18S-27W
Lane County, Kansas
API# 15-101-21,718 -00-00
Elevation: 2694' GL, 2699' KB

Sample Tops

Anhydrite 2071'(+ 628)
B/Anhy 2100'(+ 599)
Topeka 3693'(- 994)
Heebner 3945'(-1246)
Lansing 3986'(-1287)
Stark 4248'(-1549)
B/KC 4325'(-1626)
Marmaton 4353'(-1654)
Pawnee 4435'(-1736)
Myrick Sta 4458'(-1759)
Fort Scott 4503'(-1804)
Cherokee 4527'(-1828)
Congl sand 4584'(-1885)
Mississippi 4612'(-1913)
RTD 4623'(-1924)

RELEASED

SEP 16 1998

FROM CONFIDENTIAL

KCC

JUN 25

CONFIDENTIAL

DST #1 from 4283' to 4308' (L/KC "L" zone). Recovered 10' mud with few oil spots.
IFP:20-20#/30"; ISIP:669#/30";
FFP:20-20#/30"; FSIP:209#/30".

DST #2 from 4318' to 4525' (Pleasanton through Fort Scott). Recovered 20' mud.
IFP:31-31#/30"; ISIP:156#/30";
FFP:31-31#/30"; FSIP:62#/30".

DST #3 from 4521' to 4602' (Cherokee to Conglomerate sand). Recovered 10' mud.
IFP:52-52#/30"; ISIP:64#/30";
FFP:52-52#/30"; FSIP:64#/30".

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 27 1996

CONSERVATION DIVISION
WICHITA, KS

15-101-21718-00-00

ALLIED CEMENTING CO., INC. 5941

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc. and "Customer" shall refer to the party identified in the front of this contract as applicable. "Job" refers to the services to be provided by Allied Cementing Co., Inc. on the front of this contract. "Product" refers to the cementing materials, products or supplies furnished under the requirements of this contract.

| | | | | | | | | | | | | | | | |
|--------------------|------------------------------|-----|-------|----------|--------------------|-------------------|------------------|------------|---------|-------------|---------|-----------|---------|------------|---------|
| DATE | 4-12-96 | SEC | 110 | TWP | 18 | RANGE | 27 | CALLED OUT | 3:30 PM | ON LOCATION | 3:00 PM | JOB START | 4:30 AM | JOB FINISH | 5:00 PM |
| LEASE | Senas Well # | | | LOCATION | Reology 2 W-30-5 W | | | COUNTY | ONE | STATE | KS | | | | |
| OLD OR NEW | (Circle one) RELEASED | | | | | | | | | | | | | | |
| CONTRACTOR | Wally Ellis | | | | | | | OWNER | Same | | | | | | |
| TYPE OF JOB | Surf | | | | | | | | | | | | | | |
| HOLE SIZE | 2 3/4" | | T.D. | 232 | | AMOUNT ORDERED | 140 60/40 224 | | | | | | | | |
| CASING SIZE | 8 3/8" | | DEPTH | 23 | | FROM CONFIDENTIAL | | | | | | | | | |
| TUBING SIZE | DEPTH | | | | | | | | | | | | | | |
| DRILL PIPE | DEPTH | | | | | | | | | | | | | | |
| TOOL | DEPTH | | | | | | | | | | | | | | |
| PRES. MAX | MINIMUM | | | COMMON | | | 84 @ 6/10 5/2 40 | | | | | | | | |
| MEAS. LINE | SHOE JOINT | | | POZ MIX | | | 56 @ 3/15 176 40 | | | | | | | | |
| CEMENT LEFT IN CSG | 5 | | | GEL | | | 2 @ 9.50 19.00 | | | | | | | | |
| PERFS. | CHLORIDE | | | 6 | | | 28.00 168.00 | | | | | | | | |

EQUIPMENT

PUMP TRUCK CEMENTER Mike

224 HELPER Bob

BULK TRUCK DRIVER Bill

116

BULK TRUCK DRIVER Bill

116

TOTAL \$1140.40

REMARKS:

Per 2311 of 83 28" casing, 140 60/40 224 Displaced with 135 BB1 cement slud. Cured.

SERVICE

DEPTH OF JOB 232

PUMP TRUCK CHARGE 445.00

EXTRA FOOTAGE 49.35

MILEAGE 21 @ 2.35

PLUG 45.00

TOTAL \$539.35

CHARGE TO: Plutche Operation

STREET 125 N. Market #1000

CITY Wichita STATE Ko ZIP 67202

RECEIVED

KANSAS CORPORATION COMMISSION

TAX 1679.75

TOTAL CHARGE \$1679.75

DISCOUNT 335.95 IF PAID IN 30 DAYS

Net \$1343.80

To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Ray Chard