

ORIGINAL

KCC

SIDE ONE

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

API NO. 15- 065-22,628-0000 JUL 19
County Graham
App. SW NE SW Sec. 11 Twp. 6S Rge. 23 X East West

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address 125 N. Market, Suite 1000

1690 Ft. North from Southeast Corner of Section
3610 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

City/State/Zip Wichita, KS 67202

Lease Name Schuck-11C Well # 1
Field Name wildcat

Purchaser: Koch Oil Co.

Producing Formation Lansing

Operator Contact Person: Jeff Christian

Elevation: Ground 2381' KB 2386'

Phone (316) 267-4375

Total Depth 3824' PBDT n/a

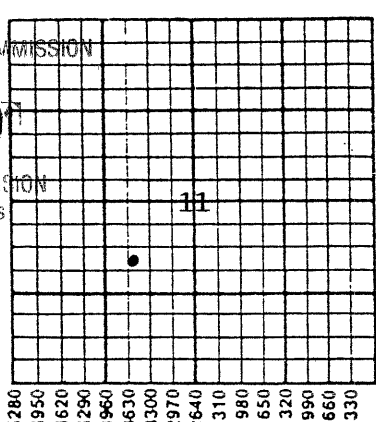
Contractor: Name: Murfin Drilling Co., Inc.

RECEIVED

License: 30606

JUL 25 1991

Wellsite Geologist: R. Milford/K. Kessler



Designate Type of Completion
X New Well Re-Entry Workover

X Oil SWD Temp. Abd.
Gas Inj. Delayed Comp.
Dry Other (Core, Water Supply, etc.)

If ~~OWNED~~ old well info as follows:
Operator:

Well Name:

Comp. Date Old Total Depth

Drilling Method:
X Mud Rotary Air Rotary Cable

4/15/91 4/23/91 5/09/91
Spud Date Date Reached TD Completion Date

Amount of Surface Pipe Set and Cemented at 256' Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 2013' Feet

If Alternate II completion, cement circulated from 2013' feet depth to surface w/ 250 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 7/19/91

Subscribed and sworn to before me this 19th day of July 19 91.

Notary Public [Signature] Date Commission Expires 6/07/92

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other
RELEASED (Specify)
AUG 02 1993
Form ACO-1 (7-89)

LINDA K. RICE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6-7-92

FROM CONFIDENTIAL
8-2-93

P1

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Schuck-11C Well # 1
 Sec. 11 Twp. 6S Rge. 23W East West
 County Graham

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.)

Formation Description
 Log Sample
 Name Top Bottom

(See attached page).

(See attached page).

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

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 | 12 1/4" | 8-5/8" | 28# | 256' | 60/40 poz | 185 | 2% gel, 3%CC |
| Production | 7-7/8" | 4 1/2" | 10.5# | 3822' | 60/40 poz | 150 | 10% salt, 3%gel |

| Shots Per Foot | PERFORATION RECORD Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|---|-----------|
| 3 jets | 3758'-3762' | 750 gal. of 15% NE acid | 3758'-62' |

TUBING RECORD Size 2-3/8" Set At _____ Packer At _____
 Liner Run Yes No

Date of First Production 5/09/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 15 Bbls. Gas _____ Mcf Water 2 Bbls. Gas-Oil Ratio _____ Gravity _____

Disposition of Gas: n/a METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled
 Vented Sold Used on Lease (If vented, submit ACO-18.) Other (Specify) _____ Production Interval 3758'-62'

RITCHIE EXPLORATION, INC.

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

JUL 19

CONFIDENTIAL

REI's #1 Schuck-11C
SW NE SW
Section 11-6S-23W
Graham County, Kansas
API# 15-065-22,628
License #4767
ACO-1 form
Page 2

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ELECTRIC LOG TOPS

Anhydrite 2038' (+ 348)
B/Anhydrite 2070' (+ 316)
Topeka 3372' (- 986)
Heebner 3570' (-1184)
Toronto 3595' (-1209)
Lansing 3610' (-1224)
B/KC 3797' (-1411)
LTD 3822' (-1436)

DST #1 from 3521' to 3561'
(Oread "A" & "B"). Recovered
300' of salt water.
IFP:96-163#/30"; ISIP:1200#/30";
FFP:201-259#/30"; FSIP:1162#/30".

DST #2 from 3571' to 3605'
(Toronto). Recovered 975' of
salt water with a few specks of
oil in the first 15'.
IFP:96-278#/30"; ISIP:1229#/30";
FFP:355-471#/30"; FSIP:1219#/30".

DST #3 from 3604' to 3629' (Top
zone). Recovered 60' of mud
and 1,000' of salt water, no
show. Tool slid 10' to bottom
and opened momentarily.
IFP:144-259#/30"; ISIP:1276#/30";
FFP:307-394#/30"; FSIP:1267#/30".

DST #4 from 3627'-3671' (L/KC
35'-50' zone). Recovered 150'
of oil cut watery mud, and
1,560' of oil cut water.
1,710' total fluid (4% oil, 91%
water, 5% mud).
IFP:182-548#/30"; ISIP:1257#/30";
FFP:625-836#/30"; FSIP:1257#/30".

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AUG 0 2 1993

FROM CONFIDENTIAL

DST #5 from 3668' to 3691' (L/KC 90' zone). Recovered
1,650' of salt water.
IFP:115-384#/30"; ISIP:1162#/30";
FFP:451-644#/30"; FSIP:1162#/30".

DST #6 from 3713' to 3747' (L/KC 140' zone). Recovered
20' of oil cut mud (15% oil, 85% mud).
IFP:31-31#/45"; ISIP:871#/45";
FFP:42-42#/45"; FSIP:158#/45".

DST #7 from 3742' to 3824' (L/KC 160'-220' zones).
Recovered 1,178' of gas in pipe and 1,149' of clean gassy
oil.
IFP:144-259#/30"; ISIP:932#/30";
FFP:307-365#/30"; FSIP:894#/30".

DST #8 from 3646' to 3661' (L/KC 50' zone). Straddle
test. Recovered 60' of oil cut watery mud (20% oil, 25%
water, 55% mud); 240' of oil cut muddy water (5% oil, 45%
mud, 50% water); and 1,164' of oil cut water (2% oil, 98%
water). 1,464' total fluid.
IFP:115-394#/30"; ISIP:1238#/30";
FFP:471-634#/30"; FSIP:1238#/30".

RECEIVED
STATE CORPORATION COMMISSION

JUL 25 1991

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

KCC

ORIGINAL

JUL 19

CONFIDENTIAL

TO: Ritchie Exploration, Inc.
125 N. Market #1000
Wichita, Kansas 67202

INVOICE NO. 59273
PURCHASE ORDER NO. _____
LEASE NAME Schuck 11C #1
DATE April 15, 1991

SERVICE AND MATERIALS AS FOLLOWS:

| | |
|-------------------------------------|-----------------|
| Common 111 sks @\$5.25 | 582.75 |
| Pozmix 74 sks @\$2.25 | 166.50 |
| Chloride 5 sks @\$21.00 | 105.00 |
| Handling 185 sks @\$1.00 | 185.00 |
| Mileage (50) @\$0.04¢ per sk per mi | 370.00 |
| Surface | 380.00 |
| Mi @\$2.00 pmp. trk. | 100.00 |
| 1 plug | 73.00 |
| | <u>1,108.00</u> |

RELEASED

AUG 02 1993 854.25

FROM CONFIDENTIAL

Total \$ 1,962.25

Cement circ.

If account CURRENT 20% discount will be allowed ONLY if paid within 30 days from date of invoice.

THANK YOU

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

APR 17 1991

Copy to Linda 4-17-91

DEPTH of Job

| | | |
|---------------|----------------------|-----------|
| Reference: #1 | Pumptruck-surface | \$ 380.00 |
| #13 | mileage @ 2.00/mi. | 100.00 |
| | 1-8 7/8" rubber plug | 73.00 |
| | Sub Total | \$ 553.00 |
| | Tax | |
| | Total | |

| | |
|------------------------------|------------|
| Mileage 2044/sk/mi. (50 mi.) | 370.00 |
| Sub Total | \$ 1409.25 |
| Total | |

Floating Equipment

Thanks

Remarks: Cement Circulated

RECEIVED
STATE CORPORATION COMMISSION

JUL 25 1991

GENERAL SALES DIVISION
Wichita, Kansas

APR 17 1991

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.
P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

02003 KCC
JUL 19

TO: Ritchie Exploration Inc.
125 N. Market#1000
Wichita, Kansas 67202

INVOICE NO. 59348
PURCHASE ORDER NO. 100
LEASE NAME Schuck 11C #1
DATE April 23, 1991

W-7680801

SERVICE AND MATERIALS AS FOLLOWS:

| | | | |
|-------------------------------------|---------|---------------|-----------|
| | APR 91 | 1 0 0 3 6 2 7 | |
| Common 105 sks @\$5.25 | | | \$ 551.25 |
| Pozmix 70 sks @\$2.25 | | | 157.50 |
| Salt 17 sks @\$4.75 | | | 80.75 |
| WFR II 500 gal @\$0.50 | | | 250.00 |
| Gilsonite 454# @\$0.33 | | | 149.82 |
| Handling 175 sks @\$1.00 | | | 175.00 |
| Mileage (50) @\$0.04¢ per sk per mi | | | 350.00 |
| Production string | | | 880.00 |
| Mi @\$2.00 pmp. trk. | | | 100.00 |
| 1 plug | | | 33.00 |
| 1-4 1/2" g. shoe | 109.00 | | |
| 1 AFU | 169.00 | | |
| 1 basket | 113.00 | | |
| 6 cent. | 330.00 | | |
| 1 p. collar | 1680.00 | | |

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INFORMATION
CONFIDENTIAL

RELEASED
AUG 02 1993 \$ 1,189.23
FROM CONFIDENTIAL
1,538.00
2,401.00
Total \$ 5,128.23

If account CURRENT 20% discount will
be allowed ONLY if paid within 30 days
from date of invoice.

copy to
Linda
5-8-91

APR 29 1991

Float held

6200.0770 = 2777.23
6500.0800 = 2401.00
3870/70 = 55.2857

THANK YOU

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

4102.58

MAY 3 1991

| DEPTH of Job | | |
|---------------|------------------------|-----------|
| Reference: #1 | Pump truck-long string | # 880.00 |
| #13 | mileage @ 2.00/mi | 100.00 |
| | 1-4 1/2" rubber plug | # 33.00 |
| | Sub Total | # 1013.00 |
| | Tax | |
| | Total | |

| | |
|-------------------------------|-----------|
| Mileage 2044/sk./mi. (50 mi.) | 350.00 |
| Sub Total | # 1714.32 |
| Total | |

Remarks:
Plugged rat hole w/1 1/2 sks,
Plugged mouse hole w/10 sks
Float Held.

| | | |
|-----------------------------|--------|-----------|
| Floating Equipment | 4 1/2" | |
| 1-regular guide shoe | | - 109.00 |
| 1-AFU insert (flapper type) | | - 169.00 |
| 1-cementing basket | | - 113.00 |
| 6-turbo centralizers #55 ea | | - 330.00 |
| 1-part collar (Baker) | | - 1680.00 |
| | | # 2401.00 |

Thanks

RECEIVED
STATE CORPORATION COMMISSION

APR 29 1991

JUL 25 1991 MAY 3 1991

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

02003 KCC
JUL 19

TO: Ritchie Exploration Inc.

INVOICE NO. 59381

125 N. Market #1000

PURCHASE ORDER NO. TCN

Wichita, Kansas 67202 W. 7680801

LEASE NAME Schuck 11c-1

DATE April 26, 1991

SERVICE AND MATERIALS AS FOLLOWS:

APR 01 1 0 0 3 8 2 7

Common 125 sks @\$5.25 \$ 656.25
Pozmix 125 sks @\$5.25 281.25
Gel 9 sks @\$6.75 60.75

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Handling 250 sks @\$1.00 250.00
Mileage (48) @\$0.04c per sk per mi 480.00
Pmp. wrk. & p. collar 475.00
M. @ \$2.00 pmp. wrk. 94.00

RELEASED 998.25

AUG 0 2 1993

FROM CONFIDENTIAL

Total \$ 2,299.25

Cement circ.

If account CURRENT 20% discount will
be allowed ONLY if paid within 30 days
from date of invoice.

THANK YOU

6200.0270 = 2299.25
3820/70 = 459.85

MAY 3 1991

APR 30 1991

1839.40

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2 % Charged Thereafter.

DEPTH of Job

| | | |
|------------|--------------|--------|
| Reference: | Pump Track | 475.00 |
| | 200 per mile | 96.00 |
| | Sub Total | |
| | Tax | |
| | Total | 571.00 |

| | | |
|---------|-----------------|---------|
| Mileage | 48 / SK / M.I.E | 480.00 |
| | 48 | |
| | Sub Total | |
| | Total | 1728.25 |

Remarks: Pres up Casing To 1000 ft
Open Part Collor Mixed 250 sk 506.00
Shot Tool Washed OUT Casing.

RECEIVED
STATE DEPARTMENT OF REVENUE

JUL 25 1991

REGISTRATION DIVISION
Wichita, Kansas

Cement Did Cir.
Carl Goodrow on Loc

Cement
No Stage
part collar
Copy to Linda
58.91

-CMT product
TOP STAGE-