

ORIGINAL

SIDE ONE

RELEASED

2-5-92

FEB 9 5 1992

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

API NO. 15- 065-22,602-00-00

County Graham FROM CONFIDENTIAL

60' N & 175' E OF
SE SW SW Sec. 18 Twp. 6 Rge. 22 X West

390 Ft. North from Southeast Corner of Section

4115 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Griffey-18C Well # 2

Field Name Mt. Vernon North

Producing Formation Toronto

Elevation: Ground 2353' KB 2358'

Total Depth 3800' PBTD n/a

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: Koch Oil Company

Operator Contact Person: Jeff Christian

Phone (316) 267-4375

Contractor: Name: Murfin Drilling Co.

License: 6033

Wellsite Geologist: Bob Mathiesen

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

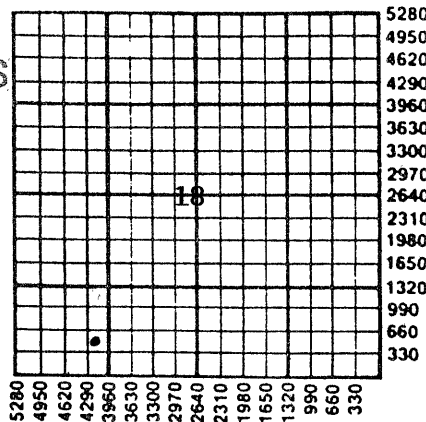
Mud Rotary Air Rotary Cable

10/30/90 11/05/90 12/07/90

Spud Date Date Reached TD Completion Date

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
Wichita, Kansas
1-18-91



Amount of Surface Pipe Set and Cemented at 243' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1982' Feet

If Alternate II completion, cement circulated from 2550'

feet depth to surface w/ 985 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 _____

Title President Date 1/15/91

Subscribed and sworn to before me this 15th day of January, 19 91.

Notary Public: _____



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 (Specify)

ORIGINAL

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Griffey-18C Well # 2

Sec. 18 Twp. 6S Rge. 22W 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.)

(See attached page).

Formation Description

Log Sample

Name	Top	Bottom
Anhydrite		2014' (+ 344)
B/Anhydrite		2046' (+ 312)
Topeka		3351' (- 993)
Heebner		3547' (-1189)
Toronto		3572' (-1214)
Lansing		3590' (-1232)
B/KC		3780' (-1422)
LTD		3795' (-1437)

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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#	243'	60/40 poz	180	2% gel, 3% CC
Production	7-7/8"	5 1/2"	14#	3792'	60/40 poz	140	10% salt 3% gilsonite

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 SSB	3572.5'-3573'	Acidized w/600 gal. 15% NE	3572.5'-73'
2 SSB	1130'	Squeezed w/275 sx. 50/50 poz	1130'

TUBING RECORD Size 2-7/8" Set At 23' off bottom Packer At _____ Liner Run Yes No

Date of First Production 12/07/90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 16 Bbls. Gas _____ Mcf Water 150 Bbls. Gas-Oil Ratio _____ Gravity _____

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval 3572.5'-73'

ORIGINAL

15-065-22602-0000 RELEASED

Ritchie Exploration, Inc. (#4767)
#2 Griffey-18C
60' N & 175' E of SE SW SW
Section 18-6S-22W
Graham County, Kansas

FEB 05 1992

FROM CONFIDENTIAL

ACO-1 form
Page 2

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

DRILL STEM TESTS

DST #1 from 3544' to 3586' (Toronto).
Recovered 35' of free oil, 215' of oil
cut watery mud (20% oil, 30% water, 50%
mud); 120' of oil cut muddy water (10%
oil, 50% water, 40% mud), 480' of salt
water. 850' total fluid (10.5% oil, 71.1%
water, 18.4% mud).

IFP:96-230#/30"; ISIP:1124#/30";
FFP:288-365#/30"; FSIP:1104#/30".

DST #2 from 3583' to 3605' (Top zone).
Recovered 720' of salt water.

IFP:67-163#/30"; ISIP:1295#/45";
FFP:230-326#/30"; FSIP:1267#/45".

DST #3 from 3606' to 3646' (35' & 50'
zones). Recovered 780' of salt water.

IFP:86-192#/30"; ISIP:730#/30";
FFP:259-346#/30"; FSIP:711#/30".

DST #4 from 3643' to 3658' (70' zone).
Recovered 630' of salt water.

IFP:86-163#/30"; ISIP:750#/30";
FFP:221-227#/30"; FSIP:740#/30".

DST #5 from 3683' to 3753' (140', 160',
180' zones). Recovered 10' of mud, no
show of oil.

IFP:67-67#/30"; ISIP:144#/30";
FFP:76-76#/30"; FSIP:96#/30".

RECEIVED
STATE CORPORATION COMMISSION

JAN 18 1991

118-91
CONSERVATION DIVISION
Wichita, Kansas

*Copy
Anderson*

District #6
KCC-KDHE
(Oil, Gas, Water)
RELEASED
FEB 05 1992

ORIGINAL

Time Called-In
Month 1 Day 3 Year 1991
4

API 15-065-22,602 FROM CONFIDENTIAL

Mr. JOHN NIERNBERGER of 5770 HIE

Operator RITCHIE KCC # 4767

Address: 125 N MARKET SB 1000 WICHITA Phone # ()

Lease Name GRIFFIN Well # 18c #2

Location SESW SW Sec. 18 Twp 6 Rge 22 W

County GRAHAM

10 3/4" 8 5/8" 243 S.P. cwc w/ 180 sk. cmt.

~~4 1/2"~~ 5 1/2" csg. set @ 372 w/ 115 sk. cmt.

T.D. 3800' Elv. 2358' KB Anh. 2014' Dakota Base 1160 ^{89010P.}

D.V. Tool@ (Port Collar @ 1982) Perf. @ Other

Total Amount of cement and Blend: 450 SK. 50/50 6866L. ON 1-3-91 DIONOT CIRC.)

ON 1-4-90 ORDERED 350 SK. 275 PIZ - 75 COM.

Did cement circulate? Second stage to 700', SQUEEZED DOWN TO 700' w/ 260 SK.

WILL DEBATE w/ KCC

Cement Company: ALLIED.

Ticket # 140281991

Who witnessed CARL GOODRAW

Remarks: MURFIN RIG. # 2647

PERFORATED @ 1130' AND SQUEEZED SECOND TIME. GOT CEMENT TO ...

SQUEEZED ... SK. CEMENTED FROM SURFACE TO ...

*Carl witnessed
the slick line
surveys
they are OK
J. D. ...
Carl OK*

Carl Goodraw
Signed

11/31/70

PC @ 1982 w/ 450^{5x}

Log cut to 1170'

Perf @ 1130 squeezed w/ 350^{5x} cut

Log cut @ 725 cheat log

Squeeze for top w/ 250^{5x} ~~cut~~

cheat log - should cut to 400 ft +

ON TBJ DAY - 1-14-91

ORIGINAL

1-5-91

RELEASED

9:00 AM -

FEB 0 5 1992

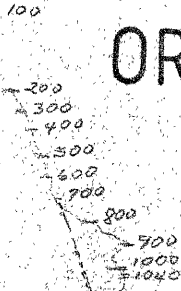
FROM CONFIDENTIAL

GRIFFIN 18C42 -

(18 hrs after squeezing
from perf @
1130') -

- Cut top Now @
725' -

TAQ BM @ 1040' -

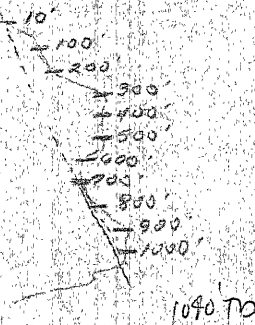


1-6-91

11:00 AM

GRIFFIN 18C42 -

(22 hrs after
pumping cut
down from
H42) -



FEB 0 8 1991

these were witnessed by
Carl Goodrow

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

OCT 90

1002388

ORIGINAL

RELEASED

FEB 05 1992

TO: Ritchie Exploration Inc.

INVOICE NO. 57843
FROM CONFIDENTIAL

125 N. Market #1000

PURCHASE ORDER NO. _____

Wichita, Kansas 67202

10 316 127

LEASE NAME Griffey 18C #2

DATE Oct. 30, 1990

SERVICE AND MATERIALS AS FOLLOWS:

Common 108 sks @\$5.25	\$ 567.00
Pozmix 72 sks @\$2.25	162.00
Chloride 5 sks @\$21.00	<u>105.00</u>
Handling 180 sks @\$0.00	180.00
Mileage (48) @\$0.03¢ per sk per mi	259.20
Surface	380.00
Mi @\$2.00 pmp. trk.	96.00
1 plug	<u>63.00</u>

\$ 834.00

978.20

Total

\$ 1,812.20 *RS*

Cement circ.

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

THANK YOU

RECEIVED
STATE CORPORATION COMMISSION

JAN 18 1991

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

CONSERVATION DIVISION
Wichita, Kansas

TELEPHONE:
AREA CODE 913 483-2627

ORIGINAL
ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31 2003
RUSSELL, KANSAS 67665

RELEASED

NOV 90 FEB 05 1992
1002529

TO: Ritchie Exploration Inc.
% John Niernberger
1705 Anthony Drive
Hays, Kansas 67601

FROM CONFIDENTIAL
INVOICE NO. 57921
PURCHASE ORDER NO. _____
LEASE NAME W. 3709502 Griffey 18C #2
DATE Nov. 6, 1990

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

SERVICE AND MATERIALS AS FOLLOWS:

Common 84 sks @\$5.25	\$ 441.00
Pozmix 56sks @\$2.25	126.00
Salt 14 sks @\$4.75	66.50
Gilsonite 363#@\$.33	119.79
WFR II 500 gal @\$0.50	250.00
Handling 140 sk @\$1.00	140.00
Mileage (48) @\$0.03¢ per sk per mi	201.60
Production string	880.00
Mi @\$2.00 pmp. trk.	96.00
1 plug	45.00
1-5½" g. shoe	125.00
1 AFU	189.00
1 basket	127.00
6 cent.	319.50
1 p. collar	1785.00

\$ 1,003.29

STATE CORPORATION COMMISSION
JAN 18 1991 1,362.60
CONSERVATION DIVISION
Wichita, Kansas

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

2,545.50

Total \$ 4,911.39

NOV 26 1990 Float held

Cement production eq - 6200.00 - 270 = 2365.89
port collar to 500-0800 = 2545.50
union allowance - 3820/70 = 54.57
THANK YOU

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

DEPTH of Job	Reference: #1	Cumtruck-long string	\$ 880.00	Handling @ 1.00/sk. (140 sks)	140.00
	#13	Mileage @ 2.00/mi.	96.00	Mileage @ 0.34/sk./mi. (48 mi.)	201.60
		1-5½" rubber plug	45.00	Sub Total	1344.89
			Sub Total		
			921.00	Total	
	NOV 26 1990		Tax	Floating Equipment	5½"
			Total	1-regular guide shoe	125.00
Remarks:		Float Held.		1-AFU insert (Flapper-type)	189.00
		Plugged rat hole w/15 sks.		1-cementing basket	127.00
		Plugged mouse hole w/10 sks.		6-turbo centralizers @ 53.25 ea	319.50
		Thanks		1-port collar (Baker)	1785.00
					# 254

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31

RUSSELL, KANSAS 67269

ORIGINAL

02005
RELEASED

FEB 05 1992

OKK

TO: Ritchie Exploration Inc.

INVOICE NO. 58462
~~FROM CONFIDENTIAL~~

125 N. Market #1000

PURCHASE ORDER NO. _____

Wichita, Kansas 67202 *W-3169502*

LEASE NAME Griffey 18C #2

DATE Jan. 3, 1991

SERVICE AND MATERIALS AS FOLLOWS:

JAN 01

1 0 0 2 8 6 8

Common 225 sks @\$5.25 \$ 1,181.25
 Pozmix 225 sks @\$2.25 506.25
 Gel 20 sks @\$6.75 135.00
 Sand 2 sks @\$4.75 9.50

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

\$ 1,832.00

Handling 450 sks @\$1.00 450.00
 Mileage (48) @\$0.04¢ per sk per mi 864.00
 Port collar 475.00
 Mi @\$2.00 pmp. trk. 96.00

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STATE CORPORATION COMMISSION
JAN 18 1991

S. Tax CONSERVATION DIVISION
Wichita, Kansas 3,893.56

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

Cement did not circ.

6200.0270 = 3893.56
 3820/70 = 778.71

ATTEMPT Cement 2nd stage #2

THANK YOU

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

JAN 10 1991

DEPTH of Job			Handling 2.00/sk. (450 sks)	450.00
Reference:	#5 Pump truck - port collar	# 475.00	Mileage 2044/sk./mi. (48 mi.)	864.00
	#13 mileage 2.00/mi	96.00	Sub Total	3146.00
	Sub Total	#571.00	Total	
	Tax		Floating Equipment	Thanks
	Total			
Remarks:				
Port collar opened and closed O.K. and held.				
Cement did not circulate.				

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

02003 RELEASED

FEB 0 5 1992

ORIGINAL

OK/PC

TO: Ritchie Exploration Inc.

FROM CONFIDENTIAL
INVOICE NO. 58463 0

125 N. Market #1000

PURCHASE ORDER NO. _____

Wichita, Kansas 67202

W 3169502

LEASE NAME Griffey 18C #2

DATE Jan. 4, 1991

SERVICE AND MATERIALS AS FOLLOWS:

JAN 9 1 1 0 0 2 8 6 8

Common 213 sks @\$5.25 \$ 1,118.25
 Pozmix 137 sks @\$2.25 308.25
 Gel 9 sks @\$6.75 60.75
 Chloride 2 sks @\$21.00 42.00

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INFORMATION
CONFIDENTIAL

\$ 1,529.25

Handling 350 sks @\$1.00 350.00
 Mileage (48) @\$0.04¢ per sk per mi 672.00
 Squeeze 380.00
 MI @\$2.00 pmp. trk. 96.00

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STATE CORPORATION COMMISSION
JAN 18 1991

1,498.00
143.79

S. TAXATION DIVISION
Wichita, Kansas

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

Total \$ 3,171.04

Squeeze job #2

6200.0270 = 3171.04
3820/70 = <634.21>

THANK YOU

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

JAN 10 1991

DEPTH of Job	Handling @ 1.00/sk. (350 sks)	350.00
Reference: #4 Pump truck - squeeze (2nd day) #	Mileage @ 0.04¢/sk/mi (48 mi.)	672.00
#13		
	Sub Total	2551.25
	Tax	
	Total	
Remarks:	Floating Equipment	Thanks
Perforated 5 1/2" csg at 1130' set packer above		
perfs. and took injection rate of 3 bbls/min @ 700#		
Mixed cement and squeezed to 700# Cleared top and pulled		
packer. Pressured 5 1/2" csg. to 200# and shut in.		

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

02002
RELEASED

ORIGINAL

FEB 05 1992

af/r

TO: Ritchie Exploration Inc.

FROM CONFIDENTIAL 58464

125 N. Market #1000

PURCHASE ORDER NO. _____

Wichita, Kansas 67202

W-3169507

LEASE NAME Griffey 18C #2

DATE Jan. 5, 1991

SERVICE AND MATERIALS AS FOLLOWS:

	JAN 9 1	1 0 0 2 8 6 8	
Common 130 sks @\$5.25		\$ 682.50	
Pozmix 130 sks @\$2.25		292.50	
Gel 9 sks @\$6.75		60.75	
Hulls 3 sks @\$15.00		45.00	\$ 1,080.75
Handling 260 sks @\$1.00		260.00	
Mileage (48) @\$0.04¢ per sk per mi		499.20	
Squeeze		380.00	
Mi @\$2.00 pmp. trk.		96.00	1,235.20
			S. Tax 110.01
			<u>Total \$ 2,425.96</u>

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INFORMATION
CONFIDENTIAL

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

BACKSIDE Squeeze #2

THANK YOU

6200.0270 - 2425.96
3820.170 - (485.19)

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

JAN 10 1991

DEPTH of Job	Reference:	Handling	Mileage	Sub Total	Total
#5 Pumptruck-squeeze (3rd day)	# 380.00	e 1.00/sk (260 sks)	e 0.04/sk./mi. (48 mi.)	1839.95	260.00
#13 mileage e 2.00/mi.	96.00				499.20
	Sub Total				
	Tax				
	Total				
marks:	Pressured 5 1/2" csq to 500 # Down annulus (8 7/8" csq), mixed 3 sks hulls with 260 sks cement at 600 # max. pressure, and shut in at 600 #				
		Floating Equipment			

STATES PRESBYTERIAN
CONSERVATION DIVISION
Wichita, Kansas
JAN 10 1991