

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

ORIGINAL

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., Inc.

License: 30606

Wellsite Geologist: Kevin Kessler

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic)

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 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11/15/91 11/20/91 12/06/91
Spud Date Date Reached TD Completion Date

API NO. 15- 065-22,640

County Graham

- N/2- NE- NW Sec. 12 Twp. 6S Rge. 23 X W

4950 Feet N/S (circle one) of Section Line

3300 Feet E/W (circle one) of Section Line

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

Lease Name Nighswonger Well # 1

Field Name Kemper

Producing Formation Lansing

Elevation: Ground 2342' KB 2347'

Total Depth 3790' PBTB _____

Amount of Surface Pipe Set and Cemented at 256' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1958'=61' Feet

If Alternate II completion, cement circulated from 1961'

feet depth to surface w/ 360 sx cmt.

Drilling Fluid Management Plan 2-6-92
(Data must be collected from the Reserve Pit)

Chloride content 1,000 ppm Fluid volume 246 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled off-site: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

RELEASED

NOV 30 1993

FROM CONFIDENTIAL

KCC
00-00
FEB 13

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RECEIVED
KANSAS CORPORATION COMMISSION

2-4-92
FEB 4 1992

CONSERVATION DIVISION
WICHITA, KS

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 2/03/92

Subscribed and sworn to before me this 3rd day of February, 19 92.

Notary Public [Signature]
LINDA K. RICE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6/07/92

Date Commission Expires _____

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)

Sec. 12 Twp. 6S Rge. 23

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.)

List All E.Logs Run:
RA Guard
Gamma Ray correlation

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

See attached page.

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INFORMATION
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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#	256'	60/40 poz	185	2%gel, 3%CC
Production	7-7/8"	4 1/2"	10.5#	3787'	60/40 poz	150	10% salt, 3% gilsonite

ADDITIONAL CEMENTING/SQUEEZE RECORD

500 g. WFR11

Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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 SSB	3716'-22'	750 gal. of 15% NE	3716'-22'

TUBING RECORD	Size 2-3/8"	Set At 3759' (5' off bottom)	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 checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil 6 Bbls.	Gas Mcf	Water 3 Bbls.	Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION
 Open Hole Perf. Dually Comp. Commingled Other (Specify) _____
Production Interval 3716'-22'

ORIGINAL

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

KCC
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#1 Nighswonger
N/2 NE NW
Section 12-6S-23W
Graham County, Kansas
API# 15-065-22,640
ACO-1 form
Page 2

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INFORMATION
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DRILL STEM TEST

DST #1 from 3700' to 3730'
(180' zone). Recovered 6' of
mud with few oil spots.
IFP:48-48#/45"; ISIP:298#/60";
FFP:48-48#/45"; FSIP:298#/60".

ELECTRIC LOG TOPS

Anhydrite	1994' (+ 353)
B/Anhydrite	2025' (+ 322)
Topeka	3333' (- 986)
Heebner	3530' (-1183)
Toronto	3555' (-1208)
Lansing	3570' (-1223)
B/KC	3758' (-1411)
LTD	3789' (-1442)

RELEASED

FEB 30 1993
3-30-93
FROM CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

FEB 4 1992
2-4-92
CONSERVATION DIVISION
WICHITA, KS

ORIGINAL ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

FEB 13
CONFIDENTIAL
Russell, Kansas 67665

New

Date	11-15-91	Sec.	12	Fwp.	6	Range	23	Called Out	5:30 pm	On Location	9:00 pm	Job Start	9:30 pm	Finish	1:00 pm	
Lease	Nighswonger	Well No.	*1	Location				Hillcity 1LN 1/2 E S15	County	Graham	State	KS				
Contractor	Murfin Drilling R/S #8															
Type Job	Surface pipe job															
Hole Size	12 1/4	T.D.	257 ft													
Csg. 23	8 1/2	Depth	256 ft													
Tbg. Size		Depth	PLEASE KEEP THIS INFORMATION CONFIDENTIAL													
Drill Pipe		Depth														
Tool		Depth														
Cement Left in Csg.	15 ft	Shoe Joint														
Press Max.		Minimum														
Meas Line	241 ft	Displace	15.4 bbl													
Perf.																

Owner SAME
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 listed.

Charge To Ritchie Exp Inc
Street 125 N. Market Suite 100
City Wichita State KS 67202
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No
X Floor Wall

CEMENT
Amount Ordered 185 1/2 2+3

Consisting of			
Common	111	5.25	582.75
Poz. Mix	74	2.25	166.50
Gel.	4	6.75	NIC
Chloride	6	21.00	126.00
Quickset			

RECEIVED
KANSAS CORPORATION COMMISSION

Handling 185 1.00 185.00
Mileage 45 FEB 4 1992 333.00

CONSERVATION DIVISION
WICHITA, KS
Sub Total
Total 1393.25

Floating Equipment
TOTAL \$ 1905.25
Disc - 285.79

RELEASED \$ 1619.46
MAR 30 1993

EQUIPMENT		
Great Bend		
Pumptrk No. 46	Cementer	Mike
	Helper	Dunne
Pumptrk No.	Cementer	
	Helper	
Bulktrk 218	Driver	Jason
Bulktrk	Driver	

DEPTH of Job	256 ft	
Reference:	Pump Truck charge	380.00
	45 milease charge	90.00
	1 Rubber plug	42.00
	Sub Total	
	Total	512.00

Remarks: Cement did circulate

Allied Cementing Co Inc
Mike Murach

FROM CONFIDENTIAL

NOV 20 1991

77, Russell, Kansas
o-793-5861, Great Bend, Kansas

ORIGINAL

FEB 3

Phone Plainville 913-434-2812

CONFIDENTIAL Phone Ness City 913-798-3843

New

ALLIED CEMENTING CO., INC.

2344

Home Office P. O. Box 31

Russell, Kansas 67665

Date	11-21-91	Sec.	12	Fwp.	6 ^s	Range	23 ^w	Called Out	11-20-91 6:00 P.M.	On Location	11:00 P.M.	Job Start	11-21-91 1:45 A.M.	Finish	3:00 A.M.
Lease	Nighswonger	Well No.	1	Location	Hill City 13N 1/2 E 3 side			County	Greehan	State	Ks.				
Contractor	Munin D. Co.	Owner	Same												
Type Job	Production String	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 listed.													
Hole Size	7 7/8"	T.D.	CONFIDENTIAL												
Csg.	4 1/2"	Depth	3787'												
Csg. Size	8 7/8"	Depth	257'												
Drill Pipe		Depth													
Tool (Baker)	Port Collar	Depth	1958'												
Cement Left in Csg.	21'	Shoe Joint	20.55'												
Press Max.	1200 #	Minimum	RELEASED												
Meas Line	X	Displace													
Perf.			13 0 1995												

Charge To Ritchie Exploration, Inc.
 Street 125 N. Market, Suite 1000
 City Wichita State Ks. 67202
 The above was done to satisfaction and supervision of owner agent or contractor.
 Purchase Order No. [Signature]
CEMENT

EQUIPMENT
FROM CONFIDENTIAL

No.	Cementer	Gary H. Wayne, Mo.
Pumptrk 191	Helper	
No.	Cementer	Joe S.
Pumptrk	Helper	
	Driver	
Bulktrk #212	Driver	

Amount Ordered	175 sks 60/40 por, 10 lb salt	
Consisting of	3% gilsonite @ 500 gal. WFR II	
Common	105 sks @ 5.25/sk.	551.25
Poz. Mix	70 sks @ 2.25/sk.	157.50
Get gilsonite	- 454 # @ 33¢/lb.	149.82
Chloride Salt	- 17 sks @ 4.75/sk.	80.75
Quickset		
WFR II	- 500 gal @ 50¢/gal.	250.00
Sales Tax		
Handling	@ 1.00/sk. (175 sks)	175.00
Mileage	@ 0.4¢/sk./mi. (49 mi.)	343.00
Sub Total		# 1707.32
Total		

DEPTH of Job	4 1/2" rubber plug	\$ 33.00
Reference: #1	Pumptruck-long string	880.00
#13	mileage @ 2.00/mi.	98.00
#12	4 1/2" rotating swivel	60.00
Sub Total		# 1071.00
Tax		
Total		

RECEIVED
KANSAS CORPORATION COMMISSION

FEB 4 1992

Floating Equipment 4 1/2" NOV 25 1991

1- port collar	WICHITA, KS	# 1680.00
1- regular guide shoe		109.00
1-AFU insert (Plapper type)		169.00
1- cementing basket		113.00
2- centralizers @ 43.00 ea		86.00
4- turbo centralizers @ 55.00		220.00
		# 2377.00

Remarks: Plugged rat hole w/15 sks.
 Plugged mouse hole w/10 sks.
 Float Held
 Thanks

ORIGINAL

3-483-2627, Russell, Kansas
316-793-5861, Great Bend, Kansas

NEW

FEB 3
CONFIDENTIAL

Phone Plainville 913-434-2812
Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

1995

Home Office P. O. Box 31

Russell, Kansas 67665

Date	11-27-91	Sec.	12	Fwp.	6	Range	23	Called Out	7:00 AM	On Location	11:00 AM	Job Start	2:00 PM	Finish	3:30 PM	
Lease	Nighswonger	Well No.	#1	Location	Hill City 13N 2E 4N				County	Graham	State	Kansas				

Contractor	Paul's Well Service	
Type Job	Circulate Cement	
Hole Size	I.D. PLEASE KEEP INFORMATION CONFIDENTIAL	
Csg.	4 1/2"	Depth
Tbg. Size	2"	Depth
Drill Pipe		Depth
Tool	Port Collar 4 1/2"	Depth
Cement Left in Csg.		Shoe Joint
Press Max.		Minimum
Meas Line		Displace
Perf.	Port Collar @ 1958'	

Owner	SAME	
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 listed.		
Charge To	Att: John Naernberger Ritchie Exploration Inc	
Street	1705 Anthony Drive	
City	Hays	State Kan 67601
The above was done to satisfaction and supervision of owner agent or contractor.		
Purchase Order No.	[Signature]	
X	used 360 SKS CEMENT	

EQUIPMENT

#191 No.	Cementer	M KAUFMAN
Pumptrk	Helper	WAYNE M
No.	Cementer	
Pumptrk	Helper	
#212	Driver	Joe S.
Bulktrk		
Bulktrk #160	Driver	Paul D.

Amount Ordered	400 SKS 50/50 Poz 6% Gel	
Consisting of	180	
Common	SKS @ 5.25	945.00
Poz. Mix	180 SKS @ 2.25	405.00
Gel.	12 SKS @ 6.75	81.00
Chloride		
Quickset		

DEPTH of Job	
Reference #	PUMP TRK
	2.00 per mile
	475.00
	96.00
	Sub Total
	Tax
	Total

Handling	1.00 per SK	360.00
Mileage	4¢ per SK mile	691.20
	48 mile	
	RECEIVED	Sub Total
	RELEASED	AS CORPORATION COMMISSION
Floating Equipment	0	Total
	1993 FEB 4 1992	2,482.20

Remarks:
 Port Collar opened & closed OK
 Cement Circulated to surface

FROM CONFIDENTIAL DIVISION
 WICHITA, KS
 [Signature]
 DEC 3 1991