

RELEASED FROM CONFIDENTIAL
KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY DESCRIPTION OF WELL & LEASE

Form ACO-1
 September 1999
 Form Must Be Typed

CONFIDENTIAL

ORIGINAL

Operator: License # 8914
 Name: H & C OIL OPERATING
 Address: P.O. Box 86
 City/State/Zip: Plainville, KS 67663
 Purchaser: _____
 Operator Contact Person: Charles Ramsey
 Phone: (785) 434-7434
 Contractor: Name: Discovery Drilling Co., Inc.
 License: 31548
 Wellsite Geologist: Ron Nelson
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)
 If Workover/Re-entry: Old Well Info as follows:
 Operator: _____
 Well Name: _____
 Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>1/15/04</u>	<u>1/20/04</u>	<u>1/21/04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

RECEIVED
 MAR 17 2004
 KCC WICHITA
 KCC
 MAR 15 2004
 CONFIDENTIAL

API No. 15 - 163-23,393-00-00
 County: Rooks
 60' N 90° E of Sec. 28 Twp. 9 S. R. 20W East West
490 feet from S E (circle one) Line of Section
1080 feet from S W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Kern "A" Well #: 1
 Field Name: Kern
 Producing Formation: Arbuckle
 Elevation: Ground: 2298 Kelly Bushing: 2306
 Total Depth: 3915 Plug Back Total Depth: 3902
 Amount of Surface Pipe Set and Cemented at 227.76 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set 1836 Feet
 If Alternate II completion, cement circulated from 1836
 feet depth to surface w/ 300 sx cmt.
(10sk In Mouse Hole).(15sk In Rat Hole)
 Drilling Fluid Management Plan ALT 2 DPW 10-27-05
 (Data must be collected from the Reserve Pit)
 Chloride content 18,000 ppm Fluid volume 320 bbls
 Dewatering method used Evaporation
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: Charles Ramsey
 Title: PRESIDENT Date: 3-5-04
 Subscribed and sworn to before me this 5th day of March
 Notary Public: Irene Zellhoefer
 Date Commission Expires: _____

NOTARY PUBLIC State of Kansas
 IRENE ZELHOFER
 My Appt. Expires
4/4/07

KCC Office Use ONLY

408 Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: H & C OIL OPERATING Lease Name: Kern "A" Well #: 1
 Sec. 28 Twp. 9 S. R. 20W East West County: Rooks

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Radiation Guard Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1806</td> <td>+ 501</td> </tr> <tr> <td>Topeka</td> <td>3337</td> <td>-1028</td> </tr> <tr> <td>Heebner</td> <td>3544</td> <td>-1234</td> </tr> <tr> <td>Toronto</td> <td>3567</td> <td>-1256</td> </tr> <tr> <td>LKC</td> <td>3584</td> <td>-1273</td> </tr> <tr> <td>Arbuckle</td> <td>3873</td> <td>-1564</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1806	+ 501	Topeka	3337	-1028	Heebner	3544	-1234	Toronto	3567	-1256	LKC	3584	-1273	Arbuckle	3873	-1564
Name	Top	Datum																				
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Toronto	3567	-1256																				
LKC	3584	-1273																				
Arbuckle	3873	-1564																				

CASING RECORD <input checked="" 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	# Sacs Used	Type and Percent Additives
Surface Pipe	12 1/4	8 5/8	23	227.76	Common	150	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	3914	ASC	175	
Port Collar @ 1884							

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	1836-Surf	60/40 Pos	400	6% Gel 1 1/4# Floseal

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	3890-3893		

TUBING RECORD		Size <u>2 7/8"</u>	Set At <u>3896</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>2-17-04</u>		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 Bbls.	Gas Mcf	Water lbs.	Gas-Oil Ratio	Gravity
	12		420		34

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____

CONFIDENTIAL

ALLIED CEMENTING CO., INC.

13982

ORIGINAL

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

MAR 15 2004

SERVICE POINT:

Russell

DATE <u>1/15/04</u>	SEC.	TWP.	RANGE	SECTION	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Keen</u>	WELL # <u>A-1</u>	LOCATION <u>PAK 0</u>	COUNTY <u>ROK</u> STATE <u>KAN</u>		RELEASED		
OLD OR NEW (Circle one)					FROM		

CONTRACTOR #11 Discovery
 TYPE OF JOB SURFACE
 HOLE SIZE 12 1/4 T.D. 227
 CASING SIZE 8 1/2 DEPTH 226
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 13.5 bbls
 EQUIPMENT _____
 PUMP TRUCK CEMENTER B:11
 # 345 HELPER PAVE
 BULK TRUCK
 # 282 DRIVER COOK
 BULK TRUCK
 # DRIVER

OWNER Same
 CEMENT
 AMOUNT ORDERED
150 bbls Cem 3-2
 COMMON 150 @ 7.15 1072.50
 POZMIX @ _____
 GEL 3 @ 10.00 30.00
 CHLORIDE 5 @ 30.00 150.00
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 HANDLING 150 @ 1.15 172.50
 MILEAGE 54.5 / MILE 412.50
 TOTAL 1837.50

RECEIVED

MAR 17 2004

REMARKS:

KCC WICHITA

SERVICE

Ran 5 Jts of 8 1/2 net @ 226
Cent w/ 150 bbls Cem 3-2
pump plus w/ 13.5 bbls
Cent did Circ ✓

DEPTH OF JOB _____
 PUMP TRUCK CHARGE 520.00
 EXTRA FOOTAGE @ _____
 MILEAGE 55 @ 3.50 192.50
 PLUG 1-8 1/2 Wood @ _____ 45.00
 @ _____
 @ _____
 TOTAL 757.50

CHARGE TO: H&C O:1 Co
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

@ _____
 @ _____
 @ _____
 @ _____
 @ _____

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.

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Thomas Alu

Thomas Alu
 PRINTED NAME

CONFIDENTIAL

ALLIED CEMENTING CO., INC. ORIGINAL

KCC

REMIT TO - P.O. BOX 31
RUSSELL, KANSAS 67665

MAR 15 2004

SERVICE POINT: Oakley

DATE	1-20-04	SEC.	28	TWP.	9S	RANGE	20	ON LOCATION	11:15 PM	JOB START	2:15 AM	JOB FINISH	3:30 AM
LEASE	Keen "A"	WELL #	1	LOCATION	Palco 15-146-N.S.			COUNTY	Rooks	STATE	RELEASED		
OLD OR NEW	(Circle one)												

CONTRACTOR Discovery Drilling #1
 TYPE OF JOB Production
 HOLE SIZE 7 7/8" T.D. 3915'
 CASING SIZE 5 1/2" DEPTH 3914'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 750# MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 12.42'
 CEMENT LEFT IN CSG. 12.42'
 PERFS. _____
 DISPLACEMENT 95 1/4 BBL
 EQUIPMENT _____

PUMP TRUCK CEMENTER Walt
 # 373 HELPER Dean
 BULK TRUCK _____
 # 218 DRIVER Jarrod
 BULK TRUCK _____
 # _____ DRIVER _____

OWNER Same
 CEMENT AMOUNT ORDERED 200 SKS ASC
500 gal WER-2

COMMON	_____	@	_____	_____
POZMIX	_____	@	_____	_____
GEL	_____	@	_____	_____
CHLORIDE	_____	@	_____	_____
ASC	<u>200 SKS</u>	@	<u>9.00</u>	<u>1,800.00</u>
WER-2	<u>500 gal</u>	@	<u>1.00</u>	<u>500.00</u>
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
HANDLING	<u>200 SKS</u>	@	<u>1.15</u>	<u>230.00</u>
MILEAGE	<u>5¢ per SK/mile</u>	_____	_____	<u>550.00</u>

TOTAL 3,080.00

RECEIVED

MAR 17 2004

REMARKS:

SERVICE

KCC WICHITA

Float Held
Plugs Did not Land
10 SKS in M.H.
15 SKS in M.H.

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____ 1,130.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 55-miles @ 3.50 192.50
 PLUG 5/8 Rubber @ _____ 60.00

TOTAL 1,382.50

CHARGE TO: H+C Oil Operating
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

5 1/2

1- Guide shoe	@	<u>150.00</u>
1- AFU insert	@	<u>235.00</u>
4- Centralizers	@	<u>50.00</u> <u>200.00</u>
1- Basket	@	<u>128.00</u>
1- Part Collar	@	<u>4,950.00</u>

TOTAL 2,463.00

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.

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Charles Ramsey

PRINTED NAME

CONFIDENTIAL

ALLIED CEMENTING CO., INC.

13949

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

KCC

SERVICE POINT: 2

ORIGINAL

MAR 15 2004

DATE <u>2-3-04</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
				CONFIDENTIAL	<u>10:00 AM</u>	<u>11:30 AM</u>	<u>12:45 PM</u>
LEASE <u>KE2N</u>	WELL # <u>A-1</u>	LOCATION <u>PAULO BOOSTER STATION</u>		COUNTY <u>ROCKS</u>	STATE <u>RELEASED</u>		
OLD OR NEW (Circle one)				<u>1/2 E</u>			

CONTRACTOR LEON'S WELL OWNER _____

TYPE OF JOB PORT COLLAR

HOLE SIZE _____ T.D. _____

CASING SIZE 5 1/2 DEPTH _____

TUBING SIZE 2 1/2 DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

CEMENT

AMOUNT ORDERED 400 60/40 690 CEL

1/4 LB FLO SEAL/PSK

USED 300SK

COMMON	<u>180</u>	@	<u>7.45</u>	<u>1287.00</u>
POZMIX	<u>120</u>	@	<u>3.80</u>	<u>456.00</u>
GEL	<u>15</u>	@	<u>10.00</u>	<u>150.00</u>
CHLORIDE	<u>75#</u>	@	<u>1.40</u>	<u>105.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>420</u>	@	<u>1.15</u>	<u>483.00</u>
MILEAGE	<u>5 1/2 SK / MILE</u>			<u>115.00</u>

RECEIVED

TOTAL 3636.00

EQUIPMENT

PUMP TRUCK CEMENTER MARIE

345 HELPER DAVE

BULK TRUCK

312 DRIVER BRENT

BULK TRUCK

_____ DRIVER _____

REMARKS:

TOOL C 1835 TEST CSG TO 1000'

OPEN PORT COLLAR MIXED 300SK CTRC

CEMENT DISPLICE 10.880 CLOSE TOOL

DRS. TO 1000' RUN 7 TTS REVERSED

CLEAN

MAR 17 2004 SERVICE

KCC WICHITA

DEPTH OF JOB _____

PUMP TRUCK CHARGE 630.00

EXTRA FOOTAGE @ _____

MILEAGE 55 @ 3.50 192.50

PLUG @ _____

@ _____

@ _____

TOTAL 822.50

CHARGE TO: HCC

STREET _____

CITY _____ STATE _____ ZIP _____

EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

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TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature]

PRINTED NAME _____