

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

API NO. 15- 101-21, 7440000

County Lane

1750-FNL-2270 FWL Sec. 23 Twp. 16S Rge. 29 X W

1750' Feet from S(N) (circle one) Line of Section

2270' Feet from E(W) (circle one) Line of Section

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

Lease Name Dowell Well # 1-23

Field Name LoHoff North

Producing Formation Lenapah

Elevation: Ground 2772' KB 2777'

Total Depth 4615' PBTD 4581'

Amount of Surface Pipe Set and Cemented at 209.98 Feet

Multiple Stage Cementing Collar Used? X Yes * No

If yes, show depth set 2202 Feet

If Alternate II completion, cement circulated from 2202

feet depth to surface w/ 375 sx cmt.

Drilling Fluid Management Plan AH-2, 9-24-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 22,000 ppm Fluid volume 320 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name DEC 3

Lease Name CONFIDENTIAL License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

Operator: License # 3447

Name: Ranken Energy Corporation

Address 601 N. Kelly, #103

City/State/Zip Edmond, OK 73003-4855

Purchaser: National Cooperative Refinery Assoc.

Operator Contact Person: Randy Coy

Phone (405) 340-2363

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: Mark Herndon

Designate Type of Completion

X New Well Re-Entry Workover

X Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: N/A

Well Name: JAN 2 1999

Comp. Date Old Total Depth

Deepening Re-entry Conv. to Inj/SWD

Plug Back PBTD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

09-03-97 09-11-97 12/05/97

Spud Date Date Reached TD Completion Date

ORIGINAL

CONFIDENTIAL

RELEASED

FROM CONFIDENTIAL

CONFIDENTIAL

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 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 12/31/97

Subscribed and sworn to before me this 31st day of December

Notary Public [Signature] J. Reynolds
July 12, 1998



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
STATE CORPORATION COMMISSION
Distribution
KCC SVD/Rep NGPA
KGS [JAN] PLO 1998 Other
(Specify)
CONSERVATION DIVISION

01-02-1998

Operator Name Ranken Energy Corporation Lease Name Dowell Well # 1-23

Sec. 23 Twp. 16S Rge. 29 East West County Lane

ORIGINAL

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:
Compensated Neutron Density
Array Induction
Micro Resistivity

Formation (Top), Depth and Datums		Sample	
Name	Top	Datum	
Anhydrite	2170'	KB	
Heebner	3895'		
Lansing	3934'	Cherokee	4450'
Muncie Creek	4089'	Johnson	4491'
Stark	4182'	Miss	4516'
Hushpuckney	4260'		
Lenapah	4286'		
Altamont	4325'		
Pawnee	4372'		
Ft. Scott	4423'		

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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 1/4"	8 5/8"	20#	209.98'	60/40 pos	160	2% gel, 3% c
Production	7 7/8"	5 1/2"	14#	4615'	HLC	50	18% salt
					EA-2	125	5% calseal

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Port Collar Perforate				
Protect Casing	2202	60-40 Poz	375	8% gel & 1/4#/sx flocele & 300 #s hulls
Plug Back ID				
Plug Off Zone				

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	4490-4500 RBP @ 4475		500 gal 15% ASA	4490-4500
4	4443-4447 RBP @ 4410		500 gal 15% ASA	4443-47 &
4	4424-4428			4424-28
4	4372-4378 RBP @ 4340		500 gal 15% ASA	4372-78
			2000 gal 15% NE	4372-78
4	4282-4286		500 gal 15% ASA	4282-86
			750 gal 15% MCA	4282-86

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	4551.98	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SLD or Inj. 10/07/97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil 33 Bbls.	Gas 0 Mcf	Water 40 Bbls.	Gas-Oil Ratio 38° Gravity
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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: 4282-4500'

CONFIDENTIAL ORIGINAL

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

DOWELL 1-23
Lane County, KS

15-101-21744-00-00

DST #1 - L-KC "J" 4147'-76', 30"-60"-30"-45", Rec 20' GIP, 1' FO & 100' SG&OCM, IHP 2109#; IFP 16-44#; ISIP 501#; FFP 49-64#; FSIP 425#; FHP 2018#.

DST #2 - L-KC "L" 4206'-48', 30"-60"-45"-90", REC 70' GIP & 170' TOTAL FLUID - 5' GO (15% G & 85% O) & 105' MCGO (10% G, 60% O & 30% M) & 60' W&OCM (20% O, 10% W & 70% M), IHP 2086#; IFP 24-61#; FFP 65-92#; FSIP 239#; FHP 2066#.

DST #3 - 4318'-67' MARMATON. 20"-30"-5" - OUT, REC 5' MUD; IHP 2173#; IFP 11-15#; ISIP 25#; FFP 16-16#; NO FSIP; FHP 2160#.

DST #4 - PAWNEE 4364'-96'; 30"-60"-60"-120#, REC 830' GIP & 130' TOTAL FLUID - 10' GO (10% G, 70% O & 20% M) & 120' GMCO (40% G, 30% O & 30% M), IHP 2117#; IFP 13-35#; ISIP 1043#; FFP 36-65#; FSIP 1030#; FHP 2104#.

KUC

DEC 3 1

CONFIDENTIAL

RECEIVED
STATE COMMISSION

JAN 2 1998

CONSERVATION DIVISION
Kansas

ORIGINAL 15-101-21744-00-00

ALLIED CEMENTING CO., INC. 9985

Federal Tax I.D.#

P.O. BOX 31
RUSSELL, KANSAS 67665

CONFIDENTIAL

SERVICE POINT: Dalley

15-101-21744

DATE <u>9-3-97</u>	SEC. <u>23</u>	TWP. <u>16</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION <u>6:00 PM</u>	JOB START	JOB FINISH <u>7:30 PM</u>
LEASE <u>Dowell</u>	WELL # <u>1-23</u>	LOCATION <u>Hwy 4+23 Jct, 3N-1/4-1/4N</u>	COUNTY <u>Lawe</u>	STATE <u>Kan</u>			
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Abercrombie RTD #8

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 214'

CASING SIZE 8 5/8 DEPTH 210'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT

RELEASED

OWNER Same

JAN 29 1998

CEMENT

AMOUNT ORDERED 160 SKS 60/40 PER

PROVIDED 3% BCC - 2% Gel

COMMON	<u>96 SKS</u>	@ <u>7.25</u>	<u>724.80</u>
POZMIX	<u>64 SKS</u>	@ <u>3.25</u>	<u>208.00</u>
GEL	<u>3 SKS</u>	@ <u>9.00</u>	<u>28.00</u>
CHLORIDE	<u>5 SKS</u>	@ <u>28.00</u>	<u>140.00</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>160 SKS</u>	@ <u>1.05</u>	<u>168.00</u>
MILEAGE	<u>4 1/2 per SK mile</u>		<u>332.00</u>
			<u>332.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Walt

102 HELPER Dean

BULK TRUCK

212 DRIVER Lannie

BULK TRUCK

DRIVER

TOTAL 1,602.10

REMARKS:

Cement Dial Circ ✓

Dalley

SERVICE

DEPTH OF JOB 210'

PUMP TRUCK CHARGE 470.00

EXTRA FOOTAGE @

MILEAGE 52 miles @ 2.85 148.20

PLUG 8 5/8 Surface @ 45.00

@

@

CHARGE TO: Ranken Energy Corp

STREET 601 N Kelly #103

CITY Edmond STATE Oklahoma ZIP 73003-4855

TOTAL 668.20

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 T.C. Janson

FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

TAX

RECEIVED

TOTAL CHARGE STATE COMMISSION

DISCOUNT JAN 2 1998 IF PAID IN 30 DAYS

CONSERVATION DIVISION
PRINTED NAME

ALLIED CEMENTING CO., INC. 8670

Federal Tax I.D.#

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

CONFIDENTIAL ORIGINAL

SERVICE POINT:

OAKLEY

DATE <u>12-2-97</u>	SEC. <u>22</u>	TWP. <u>16S</u>	RANGE <u>29S</u>	CALLED OUT	ON LOCATION <u>8:30 AM</u>	JOB START <u>9:00 AM</u>	JOB FINISH <u>5:00 PM</u>
LEASE <u>DOWELL</u>	WELL # <u>1-23</u>	LOCATION <u>HEALY 7E-2N-16E-34N</u>			COUNTY <u>HALE</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)							

CONTRACTOR <u>POE WELL SERVICE</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>PORT COLLAR</u>	JAN 29 1998
HOLE SIZE _____ T.D. _____	CEMENT FROM CONFIDENTIAL
CASING SIZE <u>5 1/2"</u> DEPTH _____	AMOUNT ORDERED <u>400 SKS 60/40 POZ 8766 1/4 #</u>
TUBING SIZE <u>2 3/8"</u> DEPTH <u>3490'</u>	<u>10SKS 6EL 300# HULLS</u>
DRILL PIPE _____ DEPTH _____	<u>USED 375 SKS 60/40 POZ 8766 1/4 # SEAL 10SKS 6EL</u>
POE <u>Port collar</u> DEPTH <u>2202'</u>	<u>300# HULLS</u>
PRES. MAX _____ MINIMUM _____	COMMON <u>225 SKS @ 7.55</u> <u>1,698.75</u>
MEAS. LINE _____ SHOE JOINT _____	POZMIX <u>150 SKS @ 3.25</u> <u>487.50</u>
CEMENT LEFT IN CSG. _____	GEL <u>36 SKS @ 9.50</u> <u>342.00</u>
BRIDGE PLUG AT 3520'	CHLORIDE _____ @ _____
DISPLACEMENT _____	<u>HULLS 3 SKS @ 15.50</u> <u>46.50</u>
	<u>Flo-Seal 94# @ 1.15</u> <u>108.10</u>
	_____ @ _____
	_____ @ _____
	_____ @ _____
	_____ @ _____
	HANDLING <u>400 SKS @ 1.05</u> <u>420.00</u>
	MILEAGE <u>4¢ per SK/mile</u> <u>832.00</u>
	TOTAL <u>3,888.75</u>

EQUIPMENT

PUMP TRUCK # <u>300</u>	CEMENTER <u>TERRY</u>	HELPER <u>WAYNE</u>
BULK TRUCK # <u>280</u>	DRIVER <u>LONNIE</u>	
BULK TRUCK # _____	DRIVER _____	

REMARKS:

TEST TUBING + CASING TO 1500 PSI. HELD 5 POT 25KG SAND + DISPLACE AT 3490'
Full Tubing to 2202' MIX TESTS GEL.
Pump 50 BBL MUD. MIX 375 SKS CEMENT + DISPLACE. TEST TUBING + CASING TO 1500 PSI.
RUN 5 JTS. + REVERSE OUT, RUN IN TUBING + WASH SAND OFF OF BRIDGE PLUG.

CEMENT OK CIRC. THANK YOU

CHARGE TO: RANKIN ENERGY Corp
 STREET 601 N Kelly, # 103
 CITY Edmond STATE OK ZIP 73001-4855

DEPTH OF JOB <u>3490'</u>	
PUMP TRUCK CHARGE _____	<u>580.00</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>52 miles</u> @ <u>2.85</u>	<u>148.20</u>
PLUG _____ @ _____	
_____ @ _____	
_____ @ _____	
TOTAL <u>728.20</u>	

FLOAT EQUIPMENT

_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
TOTAL _____	

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

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 T.C. Larson

RECEIVED
 STATE COMMISSION
T.C. LARSON
 PRINTED NAME

CONSERVATION DIVISION
 1-1-1998