

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

API NO. 15- 101-21747 0000
County Lane plugged 10/5/97
S/2 - NE - SE Sec. 21 Twp. 16S Rge. 29W X W

ORIGINAL

Operator: License # 3447

Name: RANKEN ENERGY CORPORATION

Address 601 N. Kelly, Suite 103

City/State/Zip Edmond, OK 73003-4855

Purchaser: N/A

Operator Contact Person: Tom Larson

Phone (316) 653-7368

Contractor: Name: DISCOVERY DRILLING, INC.

License: 31548

Wellsite Geologist: Steve Davis

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, VSW, Expl., Cathodic, etc)

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

9/27/97 10/4/97 10/5/97

Spud Date Date Reached TD Completion Date

1650 Feet from M (circle one) Line of Section

660 Feet from W (circle one) Line of Section

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

Lease Name Miller Well # 1-21

Field Name Jennison East

Producing Formation None

Elevation: Ground 2800 KB 2808

Total Depth 4640 PBTD _____

Amount of Surface Pipe Set and Cemented at 206.88 Fee

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Fee

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt

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

Chloride content 19,000 ppm Fluid volume 1500 bbl.

Dewatering method used Evaporation

Location of fluid disposal if needed offsite: _____

Operator Name _____

License No. _____

Quarter 03 Sec. 21 Twp. 16S Rng. 29W E/W

County _____ Docket No. _____

RECEIVED
OCT 9 11 1997
KANSAS CORPORATION COMMISSION
10-20-1997
Wichita, Kansas

FROM CONFIDENTIAL

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.

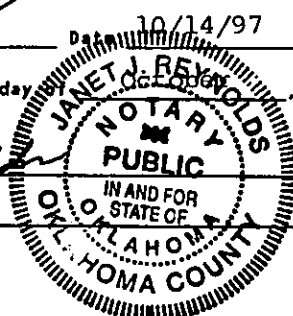
Signature [Signature]

Title President

Subscribed and sworn to before me this 14th day October 1997.

Notary Public [Signature]

Date Commission Expires 7/12/98



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)

Operator Name RANKEN ENERGY CORPORATION

Lease Name Mill

Well # 1-21

Sec. 21 Twp. 16S Rge. 29W

East

County Lane

West

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:
Micro Resistivity
Comp. Neutron

Array Induction

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Anhydrite	2215'	KB
Blanhydrite	2245'	
Heebner	3913'	Ft. Scott 4443'
Toronto	3937'	Cherokee Shale 4466'
Lansing	3950'	Miss. 4555'
Muncie Creek	4094'	
Stark	4195'	
Hushpuckney	4232'	
Lenapah	4300'	
Pawnee	4388'	
Myrick Station	4421'	

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 Pipe	12 1/4	8 5/8	20	206.88	60/40Poz	150	2%Gel&3%CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

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

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. D-A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil N-A Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Conningled Other (Specify) Production Interval

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

ORIGINAL

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License: 31548

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

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: OCT 14

Comp. Date _____ Old Total _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PSTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

9/27/97 10/4/97 10/5/97
Spud Date Date Reached TD Completion Date

API NO. 15- 101-21747 0000
County Lane plugged 10/5/97
S/2 - NE - SE Sec. 21 Twp. 16S Rge. 29W XIV
1650 Feet from (S/N) (circle one) Line of Section
660 Feet from (E/W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, (S), NW or SW (circle one)
Lease Name Miller Well # 1-21
Field Name Jennison East
Producing Formation None
Elevation: Ground 2800 KB 2808
Total Depth 4640 PSTD _____
Amount of Surface Pipe Set and Cemented at 206.88 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ ex cmt

COPY

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

Chloride content 19,000 ppm Fluid volume 1500 bbl.

Dewatering method used Evaporation

Location of fluid disposal if required offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

STATE RECEIVED
OCT 9 1997
CONSERVATION DIVISION
Wichita, Kansas
10-20-1997

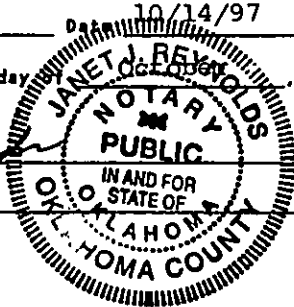
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Signature [Signature]
Title President

Subscribed and sworn to before me this 14th day of October 1997.

Notary Public [Signature]
Date Commission Expires 7/12/98



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)

ORIGINAL

CONFIDENTIAL

15-101-21747

MILLER 1-21

DST #1 - L-KC "K" 4193'-4226', 30"-60"-60"-120". Rec 270' total fluid 150' WM (20% W & 80% M) & 120' MW (85% W & 15% M). IHP 2067#; IFP 20-82#; ISIP 227#; FFP 83-137#; FSIP 225#; FHP 2045#.

DST #2 - Lower Alt, Pawnee & Myrick Station 4374'-4437', 30"-60"-out. Rec 15' mud w/scum oil in top of tool. IHP 2205#; IFP 19-33#; ISIP 985#; FHP 2202#.

DST #3 - Lenapah, Alt, Pawnee, Myrick Sta, Ft. Scott 4273'4480', 30"-45"-5"-out. Rec. 65' Mud w/scum oil on top. IHP 2188#; IFP 35-52#; ISIP 994#; FFP 52-54#; FHP 2137#.

RECEIVED
STATE CONSERVATION COMMISSION
OCT 20 1997
CONSERVATION DIVISION
Topeka, Kansas

RECEIVED
OCT 20 1997
FROM CONFIDENTIAL



**Discovery
Drilling**

P.O. Box 763 • Hays, KS 67601 • OFFICE (913) 623-2920 • CELLULAR (913) 635-1511

ORIGINAL

CONFIDENTIAL

15-101-21747

DRILLER'S LOG

Operator: **RANKEN ENERGY CORP.**
601 N. Kelly, Suite 103
Edmond, OK 73003-4855

Contractor: **DISCOVERY DRILLING, INC.**
P.O. Box 763
Hays, KS 67601

Lease: Miller #1-21

Location: S/2/ NE/SE
Sec. 21/16S/29W
Lane Co., KS

Loggers Total Depth: 4643'
Rotary Total Depth: 4640'
Commenced: 09/27/97
Casing: 8 5/8" @ 206.88' w/150sks

Elevation: 2800' Gr/2808 KB
Completed: 10/05/97
Status: D&A

DEPTHS & FORMATIONS

(All measurements from K.B.)

Surface, Sand & Shale	0'	Shales	2246'
Dakota Sand	733'	Shales & Lime	2588'
Shales	940'	Shales	2825'
Cedar Hill Sand	1769'	Shales & Lime	3187'
Red Bed Shale	2009'	Lime & Shales	4047'
Anhydrite	2215'	RTD	4640'
Base Anhydrite	2246'		

STATE OF KANSAS)
) ss
COUNTY OF ELLIS)

RECORDED

OCT 05 2000

RECEIVED
OCT 9 11 1997
STATE CONSERVATION COMMISSION
Conservation Division
Wichita, Kansas

Thomas H. Alm of Discovery Drilling, Inc. states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

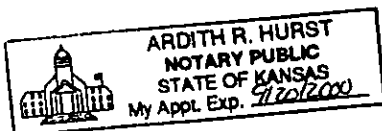
Thomas H. Alm
Thomas H. Alm

Subscribed and sworn to before me on 10/6/97.

My Commission Expires: 9/20/2000.

Arduith R. Hurst
Notary Public

(Place stamp or seal below.)



ORIGINAL CONFIDENTIAL

ALLIED CEMENTING CO., INC. 9403

Federal Tax I.D.#

P.O. BOX 31 RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE 10-5-97 SEC. 21 TWP. 16 S RANGE 29 W CALLED OUT 1:30 AM ON LOCATION 4:15 AM JOB START 6:45 AM JOB FINISH 9:30 AM LEASE Miller WELL # 1-21 SHIELDS LOCATION Hwy 4 + 23 Jct. 2 N COUNTY LANE STATE KANSAS OLD OR NEW (Circle one) NEW (Circle one) 1 W 1/4 N

CONTRACTOR Discovery Drig. Rig # 2 OWNER

TYPE OF JOB Rotary Plug HOLE SIZE 7 7/8 T.D. 4640' CASING SIZE 8 5/8 SURFACE DEPTH 206 TUBING SIZE DEPTH DRILL PIPE 4 1/2 X-H DEPTH 2250' TOOL DEPTH PRES. MAX MINIMUM MEAS. LINE SHOE JOINT CEMENT LEFT IN CSG. PERFS. DISPLACEMENT

CEMENT AMOUNT ORDERED 245 SK 69/90 6% Gel 1/4 # F10 Seal Per SK.

Table with 4 columns: Material, Quantity, Unit Price, Total Price. Includes rows for COMMON (147 @ 7.55 = 1109.85), POZMIX (98 @ 3.25 = 318.50), GEL (13 @ 9.00 = 123.00), CHLORIDE (61 @ 1.15 = 70.15), HANDLING @ 1.05 = 257.25, MILEAGE 40 / Sk / Mile = 509.00. TOTAL 2388.85

EQUIPMENT

PUMP TRUCK CEMENTER [Signature] # 177 HELPER [Signature] BULK TRUCK # 213 DRIVER [Signature] BULK TRUCK DRIVER [Signature]

REMARKS:

FROM CONFIDENTIAL

- 50 SK @ 2250
80 SK @ 1200
40 SK @ 600
40 SK @ 230
10 SK @ 40 + Wipe Plug
10 SK @ [Signature]
15 SK @ [Signature] THANKS

DEPTH OF JOB PUMP TRUCK CHARGE 470.00 EXTRA FOOTAGE @ MILEAGE 52 @ 2.85 148.20 PLUG 8 5/8 DRY Hole @ 23.00

TOTAL 641.20

CHARGE TO: RANKEN ENERGY CORP. STREET 601 N. Kelly # 103 CITY Edmund STATE Okla ZIP 73603-4855

FLOAT EQUIPMENT

Table with 4 columns: Material, Quantity, Unit Price, Total Price. Includes rows for @, @, @, @, @.

TOTAL

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 [Signature]

T.C. LARSON PRINTED NAME

