

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

KCC

NOV 2

CONFIDENTIAL

APR. NO. 15

071-20611-0002

CONFIDENTIAL

County Greeley

290' N - NW - SW - SE Sec. 11 Twp. 17S Rge. 43W

Operator: License # 30606

Name: Murfin Drilling Co., Inc.

Address 250 N. Water, Suite 300

City/State/Zip Wichita, KS 67202

Purchaser: _____

Operator Contact Person: Larry M. Jack

Phone () 267-3241

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: Richard Hall

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGM

Dry Other (Core, WSW, 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 _____ PBTB

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

10/13/93

10/21/93

Spud Date _____ Date Reached TD _____ Completion Date _____

1280 Feet from S/W (circle one) Line of Section

2290 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 T. Rex Well # 1-11

Field Name Unknown

Producing Formation _____

Elevation: Ground 3862 KB 3871

Total Depth 5229 PBTB _____

Amount of Surface Pipe Set and Cemented at 309 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/ _____ sx cat.

Drilling Fluid Management Plan D & A 12-21-93
(Data must be collected from the Reserve Pit)

Chloride content 3200 ppm Fluid volume 2500 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

RELEASED

Lessee Name _____ License No. _____

Quarter _____ Sec. _____ Twp. DEC 2 2 1994 E/W

County _____ Docket No. _____

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 By: Larry M. Jack

Title Larry M. Jack, Production Mgr. Date 11/2/93

Subscribed and sworn to before me this 2 day of November, 19 93.

Notary Public Kerran Redington

Kerran Redington
Date Commission Expires 2/6/94

KERRAN REDINGTON
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 2/6/94

STATE CORPORATION COMMISSION	
RECEIVED	
K.C.C. OFFICE USE ONLY	
F <input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C <input checked="" type="checkbox"/>	Wireline Log Received
C <input checked="" type="checkbox"/>	Geologist Report Received
NOV 03 1993	
CONSERVATION DIVISION	
Wichita, Kansas	
KCC <input checked="" type="checkbox"/>	Distribution
KGS _____	SWD/Rep _____
	Plug _____
	Other _____
	(Specify)

Operator Name Murfin Drilling Co., Inc. Lease Name T. Rex Well # 1-11

Sec. 11 Twp. 17S Rge. 43W East West
 County Greeley

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: BHC ACOUSTIC
DUAL INDUCTION
 Drill stem test data attached.
COMPENSATED DENSITY
MINILOG DIPLOG

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

Geological report attached.

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	24#	309	60/40 Poz	200	3%cc, 2%gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

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

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 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. Commingled Other (Specify) _____

Production Interval _____

KCC

NOV 2

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

CONFIDENTIAL ORIGINAL

CONFIDENTIAL

Drill-Stem Test Data

API #15-071-20611-00-00

Well Name T. REX #1-11 Test No. 1 Date 10/20/93
 Company MURFIN DRILLING CO INC Zone MORROW
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 3871
 Co. Rep./Geo. RICHARD HALL Cont. MURFIN DRLG RIG #24 Est. Ft. of Pay _____
 Location: Sec. 11 Twp. 17S Rge. 43W Co. GREELEY State KS

Interval Tested <u>4978-5096</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>118</u>	Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth <u>4973</u>	Drill Collar - 2.25 Ft. Run <u>470</u>
Bottom Packer Depth <u>4978</u>	Mud Wt. <u>9.4</u> lb/Gal.
Total Depth <u>5096</u>	Viscosity <u>55</u> Filtrate <u>7.6</u>

Tool Open @ 12:05 AM Initial Blow WEAK SURFACE BLOW BUILT TO 1/4"

Final Blow GOOD SURGE AT OPEN-NO RETURN BLOW

Recovery - Total Feet 20 Flush Tool? NO

Rec. 20 Feet of DRILLING MUD-NO SHOW OF OIL **RELEASED**

Rec. _____ Feet of _____

Rec. _____ Feet of _____ **DEC 2 2 1994**

Rec. _____ Feet of _____

Rec. _____ Feet of _____ **FROM CONFIDENTIAL**

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3400 ppm System

(A) Initial Hydrostatic Mud 2511.1 PSI AK1 Recorder No. 13339 Range 4025

(B) First Initial Flow Pressure 63.3 PSI @ (depth) 4985 w / Clock No. 26191

(C) First Final Flow Pressure 63.3 PSI AK1 Recorder No. 13276 Range 4000

(D) Initial Shut-in Pressure 147.8 PSI @ (depth) 4990 w / Clock No. _____

(E) Second Initial Flow Pressure 64.4 PSI AK1 Recorder No. _____ Range _____

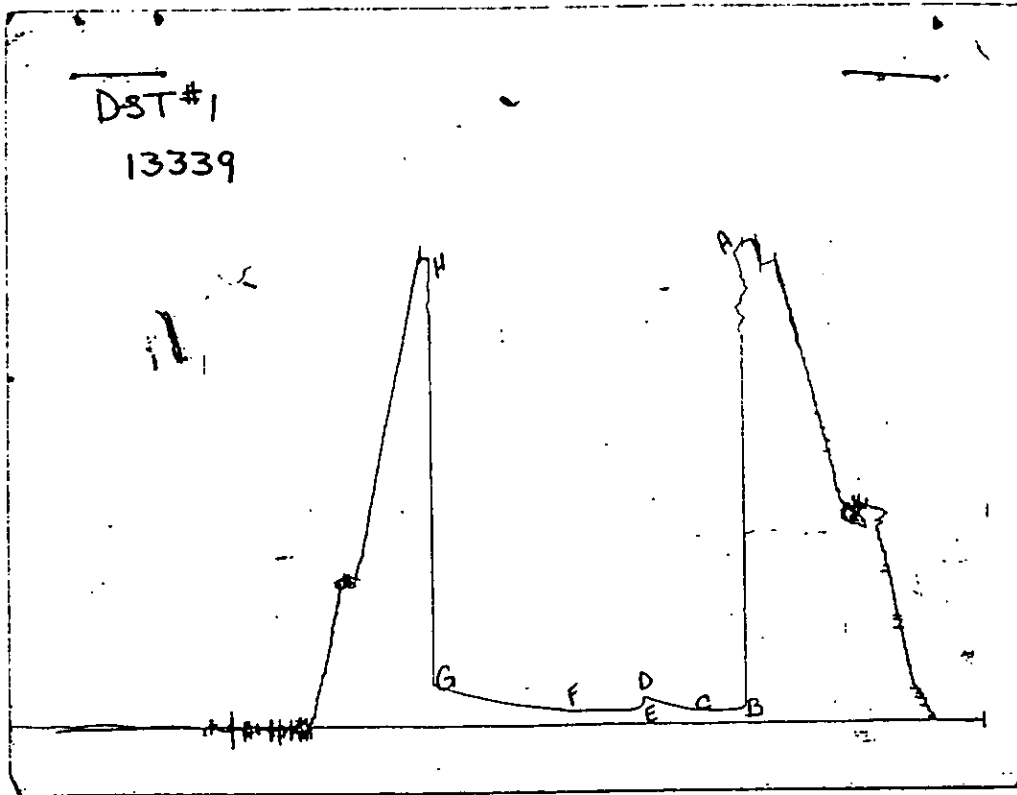
(F) Second Final Flow Pressure 64.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 210.1 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2422.7 PSI Initial Shut-in 45 Final Shut-in 90

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2503	2511.1
(B) FIRST INITIAL FLOW PRESSURE	62	63.3
(C) FIRST FINAL FLOW PRESSURE	62	63.3
(D) INITIAL CLOSED-IN PRESSURE	145	147.8
(E) SECOND INITIAL FLOW PRESSURE	62	64.4
(F) SECOND FINAL FLOW PRESSURE	62	64.4
(G) FINAL CLOSED-IN PRESSURE	207	210.1
(H) FINAL HYDROSTATIC MUD	2423	2422.7

FLUID SAMPLER DATA

15-071-20611-00-00

ORIGINAL CONFIDENTIAL

Ticket No.: 3282

Date: 10/20/93

KCC

Company: MURFIN DRILLING CO INC

NOV 2

CONFIDENTIAL

Lease: T. REX #1-11

Test No.: 1

County: GREELEY

Sec.: 11

Twp.: 17S

Rng.: 43W

SAMPLER RECOVERY

Gas
Oil
Mud 4000
Water
Other
Pressure 30
TOTAL 4000

PIT MUD ANALYSIS

Chlorides 3400
Resistivity 1.5 ohms@ 80 F
Viscosity 55
Mud Wt. 9.4
Filtrate 7.6
Other

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SAMPLER ANALYSIS

Resistivity 1.5 ohms@ 80 F
Chlorides 3400 ppm.
Gravity corrected @60F

PIPE RECOVERY

TOP

Resistivity ohms@ F
Chlorides ppm

MIDDLE

Resistivity ohms@ F
Chlorides ppm

BOTTOM

Resistivity 1.5 ohms@ 80 F
Chlorides 3400 ppm

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STATE CORPORATION COMMISSION

NOV 03 1993

CONSERVATION DIVISION
Missouri, Kansas
ppm

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

CONFIDENTIAL

NOV 2

15-071-20611-00-00
 Phone Plainville 913-434-2812

CONFIDENTIAL Phone Ness City 913-798-3843

Next

ALLIED CEMENTING CO., INC.

4926

Home Office P. O. Box 31

Russell, Kansas 67665

Date	10-13-93	Sec.	11	Twp.	17	Range	43 ^W	Called Out	5:00pm	On Location	7:00pm	Job Start	7:45pm	Finish	8:00pm
Lease	T-Rex	Well No.	1-11			Location			Of Town	Frederick	14W-7S-13W-11N	County	Greeley	State	KS
Contractor	Muckin Orly #24														
Type Job	Surface														
Hole Size	12 1/4		T.D. 309												
Csg.	8 5/8 24"		Depth 309												
Tbg. Size	Depth														
Drill Pipe	Depth														
Tool	Depth														
Cement Left in Csg.	15 ft		Shoe Joint												
Press Max.	Minimum														
Meas Line	Displace 18 3/4 Bbls														
Perf.															

Owner *Muckin*

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 *Muckin*

Street *250 N. Water Suite #300*

City *Wichita* State *Kan 67202*

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

X *Laura McKenna*

CEMENT

Amount Ordered *200 sk 60/40 38cc 2% Gr.*

EQUIPMENT

Pumptrk	No.	Cementer	<i>Fitz</i>
	<i>300</i>	Helper	<i>Telly</i>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk		Driver	<i>Steve</i>
	<i>305</i>	Driver	

Consisting of			
Common	<i>120</i>	<i>SKs @ 6.85</i>	<i>822.00</i>
Poz. Mix	<i>80</i>	<i>SKs @ 3.00</i>	<i>240.00</i>
Gel.	<i>4</i>	<i>SKs @ 2.75</i>	<i>11.00</i>
Chloride	<i>7</i>	<i>SKs @ 25.00</i>	<i>175.00</i>
Quickset			
Sales Tax			
Handling	<i>1.00</i>	<i>per SK</i>	<i>200.00</i>
Mileage	<i>4¢</i>	<i>per SK/mile</i>	<i>736.00</i>
	<i>92</i>	<i>miles</i>	
Sub Total			<i>2,173.00</i>
Total			

DEPTH of Job *309*

Reference:	<i>Pump Trk</i>	<i>430.00</i>
<i>1</i>	<i>8 5/8 Surface Plug</i>	<i>42.00</i>
	<i>2.25 per mile</i>	<i>207.00</i>
Sub Total		
Tax		
Total		<i>679.00</i>

Remarks: *Mix Cement - Release Plug & Displace to within 15ft from Bottom*

Cement Did Circulate

Floating Equipment

RELEASED

DEC 22 1994

RECEIVED
 STATE CORPORATION COMMISSION

FROM CONFIDENTIAL

NOV 03 1993

CONSERVATION DIVISION
 Wichita, Kansas

Hole
 Car.

483-2627, Russell, Kansas

316-793-5861, Great Bend, Kansas

CONFIDENTIAL NOV 2

KCC 15-071-20611-00-00

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

5207

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
10-21-93	11	17	43W	9:30 PM	1:50 PM	2:30 AM	5:30 AM
Lease	Well No.	Location			County	State	
T-Rex	1-11	OxTown - 14W-6S-142W-1N			Greeley	KS.	

Contractor	Murfin Dr/ls #24
Type Job	Plug
Hole Size	7 7/8
	T.D. 5229
Csg.	Depth
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Owner Murfin Dr/ls.
 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 Murfin Dr/ls.
 Street 250 N. Water, St 300
 City Wichita State Kan 67202

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X Laura McNamee

CEMENT

Amount Ordered 26.5 sk. 60/40 60 gal - 1/4" Flo Seal/KI

Consisting of			
Common	159	SKs @ 6 ⁸⁵	1,089 ¹⁵
Poz. Mix	106	SKs @ 3 ⁰⁰	318 ⁰⁰
Gel.	9	SKs @ 7 ⁰⁰	63 ⁰⁰
Chloride			
Quickset	Flo-Seal	66 lbs @ 1 ⁰⁰	72 ⁰⁰

Handling	1 ⁰⁰ per SK	265 ⁰⁰
Milcage	4¢ per SK mile	975 ⁰⁰
	92 miles	
Sub Total		2,782 ⁰⁰
Total		

EQUIPMENT

OKley	No.	Cementor	Ken
Pumptrk	191	Helper	Wayne
	No.	Cementor	
Pumptrk		Helper	
		Driver	
Bulktrk	315	Driver	Ken
Bulktrk		Driver	

Sales Tax
 Handling 1⁰⁰ per SK 265⁰⁰
 Milcage 4¢ per SK mile 975⁰⁰
 92 miles
 Sub Total 2,782⁰⁰
 Total

Floating Equipment

DEPTH of Job	2670
Reference:	Pump truck 430 ⁰⁰
	8 5/8 D.H. Plus 20 ⁰⁰
	2 ²⁵ per mile 207 ⁰⁰
	Sub Total
	Tax
	Total @ 658 ⁰⁰

Remarks: 50 SK @ 2670 15 SK Ret Hole
 80 SK @ 1900 10 SK Mouse Hole
 50 SK @ 900
 50 SK @ 340
 10 SK @ 40

RELEASED

DEC 22 1994

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FROM CONFIDENTIAL

NOV 03 1993

CONSERVATION DIVISION Wichita, Kansas