

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 6033  
Name Murfin Drilling Company  
Address 250 N. Water, Suite 300  
Wichita, KS 67202  
City/State/Zip

Purchaser Clear Creek, Inc.  
McPherson, KS 67460

Operator Contact Person P. J. Corey  
Phone 316-267-3241

Contractor: License # 6033  
Name Murfin Drilling Co.

Wellsite Geologist John Hastings & Chuck Schmalz  
Phone 316-262-3573

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OWN: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
1-12-85 1-28-85 2/21/85  
Spud Date Date Reached TD Completion Date  
5065' 5046'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 516 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15-097-21.102-0000

County Kiowa  
150' NW SW SE Sec. 21 Twp. 29S Rge. 18  East  West

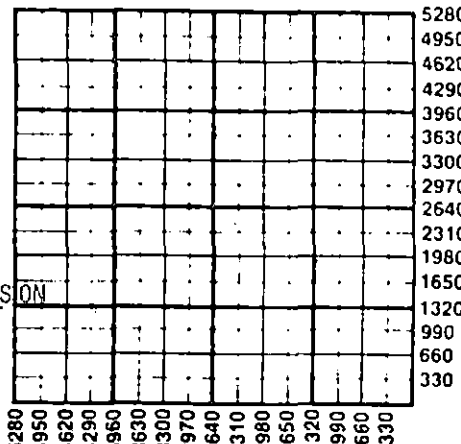
765 Ft North from Southeast Corner of Section  
2085 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Thorn Well # 1

Field Name Nichols

Producing Formation Mississippi

Elevation: Ground 2209' KB 2218'  
Section Plat



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4-22-85  
APR 22 1985  
OIL & GAS CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION  
Disposition of Produced Water:  Disposal  Repressuring  
Docket #

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717  
Source of Water:  
Division of Water Resources Permit #  
 Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner Sec Twp Rge  East  West  
 Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge  East  West  
 Other (explain) (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. 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: P. J. Corey  
P. J. Corey, Eastern Division, Prod. Mgr.  
Title Date 4/19/85

Subscribed and sworn to before me this 19 day of April 1985.  
Notary Public: Kerran Redington  
Date Commission Expires 2/6/86

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

KERRAN REDINGTON  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 2-6-86

Operator Name ... **Murphy Drilling Company** ..... Lease Name..... **Thorn** ..... Well #..... **1** .....

Sec... **21** ..... Twp... **29S** ..... Rge... **18** .....  East  West County..... **Kiowa** .....

**CONFIDENTIAL**

WELL LOG

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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
Stotler	3469	(-1251)
Emporia	3553	(-1335)
Topeka	3786	(-1568)
Heebner	4120	(-1902)
Toronto	4131	(-1913)
Brown Lime	4292	(-2074)
Pansing-Kansas City	4304	(-2086)
Base Kansas City	4716	(-2498)
Mississippian	4925	(-2707)
LFB	5063	

DST #1: 3536'-3564'; 45-45-45-60; 1st open - strong blow; 2nd open - strong blow.  
 Recovered: 120' gas in pipe  
 135' very slightly gas cut mud  
 (Emporia) 280' muddy saltwater (cl. 96,000)  
 IFP 51 - 89# ISIP 1099#  
 FFP 127 - 179# FSIP 1099#  
 BHT - 100 degrees

DST #2: 4115'-4193'; 20-30-20-30; MISRUN.

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CASING RECORD <input 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	#Sacks Used	Type and Percent Additives
Surface Production		8 5/8"		516'	Class. A	300	3% CC
		4 1/2"		5064'	50/50 ptz	75	10% salt, 3/4% CFR2, 10% gillsonite, 2% CC
					Common	25	10% salt, 3/4% CFR2, 1/2 gal latex.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record & (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
8	4976-81'			1800 gal. MOD-202		4976-81'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Size	Set At	Packer at			
4/18/85		2 3/8"	4996'				
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	Gas	Water	Gas-Oil Ratio	Gravity		
	14	---	226	---	---		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  Sold  Other (Specify) ..... 4976-81'  Used on Lease  Dually Completed  Commingled .....

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OPERATOR Murfin Drgl. Co. LEASE NAME Thorn  
WELL NO. #1

SEC-21 TWP 29S RGE 18 (X) (W)

**FILL IN WELL INFORMATION AS REQUIRED:**

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing & Shut-in pressures, and recoveries.

Show Geological markers, logs run, or Other Descriptive information.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #3: 4304'-4327'; (Lansing) 1st open - strong blow - Gauged: 3.7 MCF/25" 1/4" choke 3.7 MCF/30" " 3.4 MCF/35" " 2.9 MCF/40" " 2.9 MCF/45" " 2nd open - Gas to surface Gauged: 3.9 MCF/ 5" 1/8" choke 1 MCF/10" & stabilized Recovered: 115' slightly oil & gas IFP 51 - 38# ISIP 831# FFP 51 - 51# FSIP 716# BHT - 112 degrees			APR 30 1985  State Geological Survey WICHITA BRANCH	
DST #4: 4344'-4356'; 35-45-30-45; 1st open - strong blow throughout; 2nd open - strong blow throughout. 1925' total fluid 180' mud cut saltwater with scum oil 1745' saltwater (cl. 122,000) IFP 255 - 613# ISIP 1443# FFP 690 - 959# FSIP 1443# BHT - 121 degrees			Recovered: <b>RELEASED</b>  JUN 06 1986  FROM CONFIDENTIAL	
DST #5: 4368'-4423'; 30-45-30-45; 1st open - weak blow building to strong; 2nd open - good blow throughout. 485' very slightly gas cut muddy water (cl. 111,000) IFP 76 - 127# ISIP 1469# FFP 179 - 230# FSIP 1466# BHT - 121 degrees				
DST #6: 4768'-4796'; 35-45-35-60; 1st open - strong blow, gas to surface in 8 min. Gauged: 69 MCF/15 min. 1/2" choke 48 MCF/20 min. " 13 MCF/25 min. 1/4" choke 16 MCF/30 min. " 19 MCF/35 min. " 2nd open gauged: 19 MCF/ 5 min. 1/4" choke 19 MCF/10 min. " 19 MCF/15 min. " 19 MCF/20 min. " 16 MCF/25 min. " 16 MCF/30 min. " Recovered: 120' oil & gas cut mud (35% oil, 10% gas, 55% mud) IFP 102 - 76# ISIP 716# FFP 102 - 76# FSIP 524# BHT - 121 degrees				
DST #7: 4797'-4897'; Hit bridge at 1250 ft. Going back in hole with bit to condition hole. MISRUN				
DST #8: 4797'-4897'; 35-45-30-45; 1st open - 2" blow throughout; 2nd open - 2" blow, flushed tool 15" into open, continue 2" blow throughout. Recovered: 120' mud. IFP 76 - 63# ISIP 115# FFP 76 - 76# FSIP 115#				

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 PAGE ~~XX~~ (Side One)  
 OPERATOR Murfin Drlg. Co. LEASE NAME Thorn  
 WELL NO. #1

SEC. 21 TWP 29S RGE 18 (W) ~~XX~~

FILL IN WELL INFORMATION AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing & Shut-in pressures, and recoveries.

Show Geological markers, logs run, or Other Descriptive information.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>DST #9; 4878'-4950'; 45-60-45-60; 1st open - gas to surface in 11 min.                      1st open gauged: 18 MCF/15 min. 1/4" choke                      28 MCF/20 min. "                      23 MCF/25 min. "                      16 MCF/30 min. "                      13 MCF/35 min. "                      9 MCF/40 min. "                      11 MCF/45 min. "                      2nd open gauged: 9 MCF/ 5 min. "                      10 MCF/10 min. &amp; stabilized                      Recovered: 180' slightly gas cut mud.                      IFP 170 - 268# ISIP 294#                      FFP 268 - 281# FSIP 294#                      BHT - 123 degrees</p> <p>APR 30 1985                      State Geological Survey                      WICHITA BRANCH</p>				
<p>DST #10: 4944'-4984'; 45-45-45-45; 1st open - weak blow building to 3" blow decreasing to weak blow; 2nd open - weak blow building to 3" blow decreasing to weak blow. Recovered: 90' mud.                      IFP 306 - 319# ISIP 319#                      FFP 319 - 319# FSIP 319#                      BHT - 123 degrees</p>				

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