

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

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 (316) 267-3241
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606

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CONSERVATION DIVISION
Wichita Kansas

Wellsite Geologist: Paul Gunzelman
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: _____
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. _____
5/9/00 5/14/00 5/14/00
Spud Date Date Reached TD Completion Date

API NO. 15-137-20413-0000
County Norton
-NE -NE -SE Sec20 Twp. 3S Rge 24 X W
2400 Feet from (S) (circle one) Line of Section
330 Feet from (E) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)
Lease Name Ninemire Well # 1-20
Field Name Unknown
Producing Formation _____
Elevation: Ground 2333' KB 2338'
Total Depth 3730' PBTD _____
Amount of Surface Pipe Set and Cemented at 286 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 cmt.
Drilling Fluid Management Plan P+H KGR 7/16/07
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume 2500 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W
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 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 Larry M. Jack
Title Larry M. Jack, Production Manager Date Nov 6, 2000
Subscribed and sworn to before me this 6th day of Nov 6 2000.
Notary Public Barbara J. Dodson
Date Commission Expires 12/16/03

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)

BARBARA J. DODSON
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. _____

Operator name Murfin Drilling Co., Inc.

Lease Name Ninemire Well # 1-20

Sec. 20 Twp. 3 S Rge. 24W

East
 West

County Norton

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Log Formation (Top), Depth and Datums Sample Name Top Datum See attached
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.) List all E.Log	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

CASING RECORD <u> </u> New <u> </u> 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	12¼"	8½"	24#	286	Comm.	200	3% cc, 2% gel
Production							

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top/Btm	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Csg				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other		
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 _____

*** FINAL DRILLING REPORT ***

ORIGINAL

Ninemire #1-20

Operator: MURFIN DRILLING COMPANY, INC.
Contractor: MURFIN DRILLING COMPANY, INC.
Rig #8

Norton Reservoir Prospect #2968

Contact Person: Scott Robinson
Phone number: 316-267-3241
Well Site Geologist: Paul Gunzelman

2400' FSL 330' FEL
Sec. 20-T3S-R24W
Norton County, Kansas

Call Depth: 2500'
Spud: 6:00 p.m. 5/8/00
Est. TD: 3710'

API# 15-137-20413
Casing: 8-5/8" @ 286'
Elevation: 2333' GL
2338' KB

DAILY INFORMATION:

5/8/00 MIRT.

5/9/00 Depth 287'. Cut 287'. DT: 7 ½ hrs. (WOC). CT: none. Dev.: ½° @ 287'. Set 7 jts. = 278.89' of 8-5/8" surface casing @ 286'. Cmt. w/ 200 sx. Comm, 3% cc, 2% gel, circ. 8 bbls. By Allied. Plug down @ 11:30 p.m. 5/8/00.

5/10/00 Depth 2040'. Cut 1753'. DT: ¾ hr. (stand pipe), ½ hr. (WOC). CT: none. Dev. None. Drilled out plug @ 7:30 a.m. 5/9/00.

5/11/00 Depth 3240'. Cut 1200'. DT: none. CT: none. Dev.: none.

5/12/00 Depth 3650'. Cut 410'. DT: none. CT: 8 ¾ hrs. Dev. 1° @ 3650'. **TORONTO ZONE** slight drlg brk in the top of the Toronto 2-3 min/ft. 1' drilled 1 min/ft. wh oolitic lm weathered fr-gd inter oolitic porosity no odor, no fluor v hvy blk fo stn in porosity. **LANSING A ZONE** drilled 2-3 min/ft. lm aa w/show hvy blk oil. This zone was dst'd in the Ferguson #1 Ankenman recovering 300' mw. Since we are running 7-8' low to this well we elected not to test these weak shows. **ARBUCKLE ZONE** Dolomite lt gry fn-md xln v glauconitic sl pyritic occasionally argillaceous considerable amount of fn-v fn sub rd - sub ang cl quartz sd fr-gd inter xln porosity gd odor no fluor gd show lt brn oil gd sat stn. 3' above the Arbuckle fn - v fn sub ang sl dolomitic ss friable clusters fr-gd inter gran porosity considerable blk dead oil residue. 3640-50 drilled 2-1-2-3-2-1-1-1-2-1. **DST #1 Arbuckle 3603-3650:** 30-60-45-90, tool open @ 8:15 a.m. IF: weak ¼" blow throughout; FF: no blow; Rec. 10' drilling mud w/oil spots; HP: 1855-1817; SIP: 834-815; FFP: 27/36, 37/45; BHT: 98°. Pipe Strap @ 3650 strap 2.45' short to the board. Dev 1 1/4° @ 3650. 5:30 p.m. circ @ 3654 (-1316) dolomite as above sandy no show. 3650-54 drilled 1,3,2,3 min/ft. 6:55 p.m. circ @ 3656 sucrosic dolomite v sandy 1% show in the samples w/ dead oil residue. 3654-3656 drilled 2,4 min/ft. **DST#2 Arbuckle 3603-3656.** 10:20 p.m. tool opened with a strong blow off the bottom of the bucket in 3 ½ min.

5/13/00 Depth 3660. Cut 10'. DT: none. CT: 23 ¼ hrs. **DST#2 Arbuckle 3603-3656.** 30-60-45-90, IF: strong blow off the bottom of the bucket in 3 ½ min. FF: Strong blow off the bottom of the bucket in 3 min.; Rec. 240' MCW, 240' SLMCW, 1020' SW Chl 21,500 ppm. RW .36 ohms @ 60°; HP: 1832-1731; SIP 991-991; FP: 62/579, 590/870; BHT: 104°.

5/14/00 RTD 3730'. Cut 70'. DT: none. DT: 19 hrs. Dev. 1° @ 3730'. HC @ 10:00 a.m. 5/13, ELI logged from 1:00 p.m. to 9:00 p.m. 5/13. Plugged & Abandoned, cemented w/ 25 sx 60/40 poz, 6% gel @ 3640', 25 sx. @ 1925', 100 sx. @ 1250', 40 sx. @ 350', 10 sx. @ 40', 15 sx. in RH, 10 sx. in MH, from 12:15 - 4:30 a.m. 5/14. Rig released @ 6:30 a.m.

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CONSERVATION DIVISION
Wichita, Kansas

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