

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

API NO. 15- 025-206680001 ORIGINAL

County Clark
N/2 SW SE Sec. 3 Twp. 30S Rge. 25W E

Operator: License # 30606

990 Feet from SW (circle one) Line of Section

Name: Murfin Drilling Co., Inc.

1980 Feet from SW (circle one) Line of Section

Address 250 N. Water, Suite 300

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

City/State/Zip Wichita, KS 67202

Lease Name Minneola Unit Well # 3-1

Purchaser: NCRA

Field Name Norcan East

Operator Contact Person: Pat Canaday

Injection Morrow Sand

Phone () 267-3241

Elevation: Ground 2567 KB 2578

Contractor: Name: BEREDCO, Inc.

Total Depth 5500 PSTD 5462

License: _____

Amount of Surface Pipe Set and Cemented at 1125 Feet

Wellsite Geologist: None

Multiple Stage Cementing Collar Used? Yes No

Designate Type of Completion
 New Well Re-Entry Workover

If yes, show depth set _____ Feet

Oil SVD SIGW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from _____

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

feet depth to _____ w/ _____ sz cnt.

Operator: Murfin Drilling Co.

Drilling Fluid Management Plan REWORK 8/9 1-19-96
(Data must be collected from the Reserve Pit)

Well Name: Patton #1-3

Chloride content _____ ppm Fluid volume _____ bbls

Comp. Date 3/18/83 Old Total Depth 2/20/83

Dewatering method used _____

Deepening Re-perf. Conv. to (inj) SVD
 Plug Back _____ PSTD
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SVD or (inj)) Docket No. E26970

Location of fluid disposal if hauled offsite: _____

2/8/83 9-13-94 2/20/83 9/30/94 9-19-94

Operator Name _____

Spud Date OF START Date Reached TO OF WORKOVER

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, 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: [Signature]

Title P. T. Canaday, Prod. Engineer Date 1/4/95

Subscribed and sworn to before me this 4 day of Jan. 19 95.

Notary Public [Signature]
KERRAN REDINGTON
NOTARY PUBLIC
STATE OF KANSAS
Date Commission Expires 2/6/98
My Appt. Exp. 2/6/98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Received
C Wireline Log Received
C Geologist Report Received
DISTRIBUTION
 KCC
 KGS
1-6-95 SVD/Rep
NGPA
Other (Specify) _____
RECEIVED
STATE CORPORATION COMMISSION
JAN 5 1995
KANSAS

Operator Name Murfin Drilling Co., Inc. Lease Name Minneola Unit Well # 3-1
 Sec. 3 Twp. 30S Rge. 25W East County Clark
 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: None

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

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	12 1/2	8 5/8	24	1124	60/40 Poz Class H	350 200	2%cc, 4%gel 3%cc
Production	7 7/8	5 1/2	15.5	5504	Class H Self Stress-2	25 100	5#/sxD42

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
4	5323-32.5'	750 gal. 7.5% DSFE, 1000 gal. 5323-32.5'
		15% FEHF & 250 gal FE

TUBING RECORD Size 2 3/8" Set At 5295.1' Packer At 5295.1' Liner Run Yes No
 Date of First, Resumed Production, SWD or (in) 12-1-94 Producing Method Flowing Pumping Gas Lift Other (Explain)
 Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity 350

Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) Injection Production Interval as above

Post-It Fax Note 7672

To
Company
Location
Fax #
Comments

Jim Hemmen
KCC

Telephone #

No. of Pages

From

Company

Location

Fax #

Original
Disposition

Today's Date Time

1 7-18-96
Kerran
Murfin
Dep: Charge

Telephone #

 Debit Return Call for pickup

ORIGINAL

WORKOVER REPORT

Minneola Unit #3-1
(Patton #1-3)

C N/2 SW SE

Sec 3-30s-25w

Clark Co, Ks

Elevation - 2579' KB 2567' GL
8 5/8", 24# Csg @ 1125' w/550 sx
RTD - 5500'
LTD - 5505' by Schlumberger
5 1/2", 15.5# Csg @ 5504' w/125 sx on 2/20/83
PSTD - 5462'
Cement Top - 4644'
Perfs @ 5323-32.5'

9/13/94 MDC #479 on location. TOH w/rods & pump. Rld AC & TOH w/tbg. SDON. Est cost \$1925.

9/15 Checked TD w/csg jars. TD @ 5429' by depthometer. TD @ 5475' by sandline. Perfs 5323-32.5'. PSTD @ 5462'. Ran csg swb to 5300', no rec. TIH w/MDC Arrow Set II 5 1/2 x 2 3/8" x 6.22' Pkr, 1.10' SN on 2 3/8" tbg. Set pkr @ 5285' KB, perfs 5323-32.5'. Loaded BS w/101 bbl fresh Clafix wtr. Press to 500 psi, held. RU Halliburton & treated w/750 gal 7.5% DSFE Pad Acid w/Pen 88, 1000 gal 15% FEHF Acid, 250 gal FE Acid. Displ w/21 bbl fresh Clafix wtr. Treated throughout job @ approx 3/4 BPM. Took IR w/36 bbl Clafix wtr @ 2 BPM on vac. FL @ 4900' FS = 423' FAP. Rld pkr & pulled to 5223'. SDON. Est cost \$8822.98. 9/16 Perfs 5323-32.5', Pkr @ 5223'. Ran swb 0' FAP. TOH w/tbg & pkr. MDC RO's moved 161 jts 2 3/8" OD EUE 8rd tbg 5266' & 132 x 5/8" rods, 79 x 3/4" rods, 1 1/4" x 22' P-rod w/8' liner to Norton E #1. SDON. Est cost \$9635.48.

9/19 TIH w/Arrow Set I Pkr 5 1/2" x 2 3/8" x 7.42', plastic coated internal & external, 172 jts 2 3/8" OD EUE 8rd Duoline tbg 5287.68' w/new rings. Btm pkr @ 5295.10', 5307.10' KB, perfs 5323-32.5'. Flushed BS w/50 bbl fresh treated wtr. (Additives in flush, Clafix, Champion Cortron R-2264, Biocide-Corr Inhib) Set pkr @ 5307.10' KB & loaded BS w/100 bbl treated wtr. Press test to 450 psig, held. Rld press to 200 psig. RDMO MDC #479. SDON. Total est cost w/no equip \$15,356.00. 175 jts 2 3/8" OD EUE 8rd tbg 5406.60' delivered to loc. Found 3 bad jts w/plastic coating damaged.

9/26 Press to 400 psig, head lkg. Repl head & press to 300 psig, held. To call KCC f/MIT.

9/27 Cp 280 psig.

Pete Runeyl