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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 30606
Name: Murfin Drilling Company, Inc.
Address: 250 N. Water, Suite 300
City/State/Zip: Wichita, Kansas 67202
Purchaser:
Operator Contact Person: Tom W. Nichols
Phone: (316) 267-3241
Contractor: Name: Murfin Drilling Company, Inc.
License: 30606
Wellsite Geologist: Jeff Christian

Designate Type of Completion:

✓ New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.

____ Gas ____ ENHR ____ SIGW

✓ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: ____ Original Total Depth: ____

____ Deepening ____ Re-perf. ____ Conv. to Enhr./SWD

____ Plug Back ____ Plug Back Total Depth

____ Commingled Docket No.

____ Dual Completion Docket No.

____ Other (SWD or Enhr.?) Docket No.

3/24/06	4/1/06	N/A
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-195-22339-00-00
County: Trego
__ - SE - SE - NW Sec. 16 Twp. 15 S. R. 22 ☐ East ☑ West
2260 N feet from S / (N) *(circle one)* Line of Section
2200 W feet from E / (W) *(circle one)* Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Werth Well #: 1-16
Field Name: Wildcat
Producing Formation: N/A
Elevation: Ground: 2265' Kelly Bushing: 2270'
Total Depth: 4300' Plug Back Total Depth: N/A
Amount of Surface Pipe Set and Cemented at 220 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 PA AIT1 NH 6-5-08
(Data must be collected from the Reserve Pit)

Chloride content ____ ppm Fluid volume ____ bbls
Dewatering method used

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License No.
Quarter ____ Sec. ____ Twp. ____ S. R. ____ ☐ East ☐ West
County: Docket No.:

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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 of 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:
Title: Tom Nichols, Production Manager Date: 4/19/06

Subscribed and sworn to before me this 19th day of April, 20 06.

Notary Public: Susan Brady

Date Commission Expires: 11-4-07

SUSAN BRADY
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp

KCC Office Use ONLY

Y **Letter of Confidentiality Received**
If Denied, Yes ☐ Date:
____ **Wireline Log Received**
____ **Geologist Report Received**
____ **UIC Distribution**

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Side Two

KCC
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Operator Name: Murfin Drilling Company, Inc. Lease Name: Werth Well #: 1-16

Sec. 16 Twp. 15 S. R. 22 ☐ East ☑ West County: Trego

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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:

Dual Induction, Compensated Porosity, Microresistivity

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum

SEE ATTACHED LIST

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		8 5/8		220'	Common	170	3% cc, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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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, Resumerd Production, SWD or Enhr. 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 METHOD OF COMPLETION Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled _____

☐ Other *(Specify)* _____

Werth #1-16
Daily drilling report
Page two

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4/1/06 RTD 4300'. Cut 93'. DT: 1 ½ hrs. (pump). CT: 18 ¼ hrs. Dev.: ¾° @ 4300'. HC @ 4:45 p.m. 3/31/06. Allied plugged hole w/60/40 poz, 6% gel as follows: 25 sx. @ 1643', 100 sx. @ 765', 40 sx. @ 270', 10 sx. @ 40', 15 sx. in RH. Started 8:45 a.m. 4/1/06, comp. 12:00 p.m. 4/1/06, orders from Richard Williams, KCC Hays. Rig released @ 4:00 p.m. 4/1/06. FINAL REPORT.

	MDCI Werth #1-16 2260 FNL 2200 FWL Sec. 16-T15S-R22W 2270' KB						Sunburst Expl. #1 G-S-L SW SW NW Sec. 16-T15S-R22W 2298' KB	
Formations	Sample Tops	Datum	Ref	Log tops	Datum	Ref	Log Tops	Datum
Anhydrite	1624	+646	+3				1655	+643
B/Anhydrite	1662	+608	+5				1695	+603
Topeka	3364	-1094	-6	3359	-1089	-1	3386	-1088
Heebner	3621	-1351	-7	3616	-1346	-2	3642	-1344
Lansing	3661	-1391	-6	3657	-1387	-2	3683	-1385
BKC	3930	-1660	-10	3924	-1654	-4	3948	-1650
Pawnee	4026	-1756	-11	4022	-1752	-7	4043	-1745
Ft. Scott	4117	-1847	-14	4112	-1842	-9	4131	-1833
Cherokee Sh				4124	-1854	-10	4142	-1844
Mississippi Lm				4252	-1982	-19	4261	-1963
RTD	4300						4310	
LTD				4297				

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Werth #1-16
Operator: Murfin Drilling Company, Inc.
Contractor: Murfin Drilling Company, Inc.
Rig #24

Jaco Prospect #3289

2260 FNL 2200 FWL
Sec. 16-T15S-R22W
Trego County, Kansas

Contact Person: David Doyel
Phone number: 316-267-3241
Well site Geologist: Jeff Christian

Call Depth: 2900'
Spud: 3/24/06 @ 8:25 a.m.

API #: 15-195-22339
Casing: 8 5/8" @ 220'

TD: 4300'

Elevation: 2265' GL
2270' KB

DAILY INFORMATION:

3/20/06 Move snowed out and still snowing.

3/21&22/06 Still snowed out.

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3/23/06 Too muddy to move.

3/24/06 MIRT.

3/25/06 Depth 220'. Cut 220'. DT: 4 ¾ hrs. (WOC). CT: none. Dev.: ¾ ° @ 220'. Spud @ 8:15 a.m. 3/24/06. Ran 5 jts. = 211.94' of 8 5/8" surf. csg. set @ 220', cmt w/170 sx. comm., 3% cc, 2% gel, plug down @ 2:15 a.m. 3/25/06, circ. 3 bbls by Allied.

3/26/06 Depth 1830'. Cut 1610'. DT: 4 hrs. CT: none. Dev.: none. drilled out plug @ 11:00 a.m. 3/25/06.

3/27/06 Depth 2780'. Cut 950'. DT: none. CT: none. Dev.: ½° @ 2028'.'

3/28/06 Depth 3335'. Cut 555'. DT: 1 ¼ hr. (pump). CT: none. Dev.: none.

3/29/06 Depth 3940'. Cut 605'. DT: none. CT: none. Dev.: none.

3/30/06 Depth 4187'. Cut 247'. DT: none. CT: 10 hrs. Dev.: 0° @ 4187'. **DST #1 4129-4187' (Cherokee):**

3/31/06 Depth 4207'. Cut 20'. DT: none. CT: 23 ¼ hrs. Dev.: none. **DST #1 4129-4187' (Upper Cherokee):** 30-60-30-60. Rec. 75' MW (40% W, 60% M), 120' MW (85% W, 15% M). FP: 28/87, 90/109; SIP: 1108-1095; HP: 1984-1954. BHT 117°. **DST #2 4200-4207' (Lwr Cherokee):** 30-60-60-90. IF: 4" blow throughout. FF: ½" blow throughout. Rec. 300' W, no show. FP: 19/88, 90/145; SIP: 1190-1116; HP: 2025-1947. BHT 125°. Chlr. 24,000, Rw .47 @ 45°.

Werth #1-16
Daily drilling report
Page two

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Mississippi Lm				4252	-1982	-19	4261	-1963
RTD	4300						4310	
LTD				4297				

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Allied Cementing Co., Inc
P.O. Box 31

Russell, KS 67665

****
* *
* INVOICE *
* *
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Invoice Number: 101550

Invoice Date: 03/30/06

Sold To: Murfin Drilling Co.
250 N. Water, St. #300
Wichita, KS
67202

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Cust I.D.....: Murfin
P.O. Number..: Werth 1-16
P.O. Date....: 03/30/06

Due Date.: 04/29/06
Terms....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	102.00	SKS	9.6000	979.20	T
Pozmix	68.00	SKS	5.2000	353.60	T
Gel	3.00	SKS	15.0000	45.00	T
Chloride	5.00	SKS	42.0000	210.00	T
Handling	178.00	SKS	1.7000	302.60	E
Mileage	30.00	MILE	12.4600	373.80	E
178 sks @.07 per sk per mi					
Surface	1.00	JOB	735.0000	735.00	E
Mileage pmp trk	30.00	MILE	5.0000	150.00	E
Wood Plug	1.00	EACH	55.0000	55.00	T

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter. If Account CURRENT take Discount of $ 320.42 ONLY if paid within 30 days from Invoice Date

Subtotal:	3204.20
Tax.....:	95.28
Payments:	0.00
Total...:	3299.48

OK

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Federal Tax I.D.#

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Ness City

DATE 3-24-06	SEC. 16	TWP. 15	RANGE 22	CALLED OUT 7:30 PM	ON LOCATION 11:45 PM	JOB START 1:30 AM	JOB FINISH 2:15 AM
LEASE Werth	WELL # 1-16		LOCATION 4E/147 Jct 6N to MM 6,			COUNTY Trego	STATE Kansas
OLD OR (NEW) (Circle one)			3½ West south into				

CONTRACTOR Murfin
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 220
CASING SIZE 8⅝ DEPTH 220'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT ✓ 13 BBLS

OWNER Murfin

CEMENT

AMOUNT ORDERED 170 sx 60/40 poz 3% cc 2% gel

EQUIPMENT

UB
PUMP TRUCK CEMENTER J.D. Snelling
#120 HELPER Brandon
BULK TRUCK
#341 DRIVER Terry
BULK TRUCK
DRIVER

COMMON	102 sk	@	9.60	979.20
POZMIX	68 sk	@	5.20	353.60
GEL	3 sk	@	15.00	45.00
CHLORIDE	5 sk	@	42.00	210.00
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	178 sk	@	1.70	302.60
MILEAGE	178 sk 07		30	373.80
			TOTAL	2264.20

REMARKS:

Ran 8⅝ casing to bottom Circulate with mud pump hook up to pump trk & mixed 170 sx 60/40 poz 3% cc 2% gel. Shut down released 8⅝ plug & displaced with 13 BBLs fresh h2o. Cement did circulate. Shut in at manifold.

SERVICE

DEPTH OF JOB 220'
PUMP TRUCK CHARGE 739.00
EXTRA FOOTAGE @
MILEAGE 30 @ 5.00 150.00
MANIFOLD @
@
@
TOTAL 889.00

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CHARGE TO: Murfin Drilling Co Inc
STREET 250 N Water, Suite 300
CITY Wichita STATE Kansas ZIP 67202

PLUG & FLOAT EQUIPMENT

1-8⅝" Wood Plug	@	55.00	55.00
	@		
	@		
	@		
	@		
		TOTAL	55.00

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 X Anthony Murfin
Great Job Guys

X Anthony Murfin
PRINTED NAME
Thank you!