

ORIGINAL

SIDE ONE

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

API NO. 15- 185-22774-0000  
County Stafford  
NW NE SE Sec. 23 Twp. 23S Rge. 14W East West

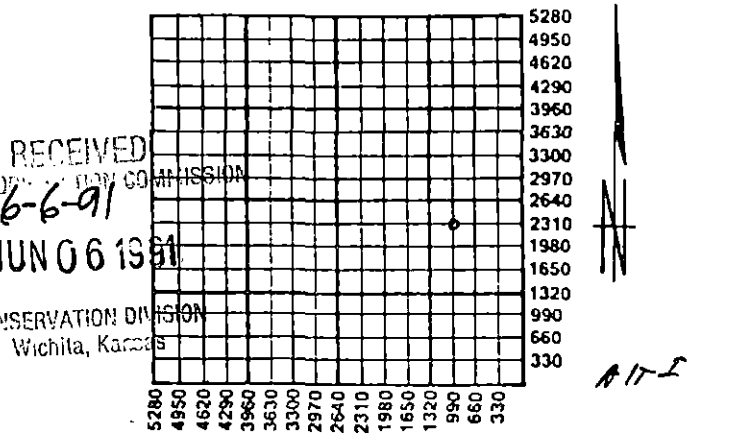
Operator: License # 30606  
Name: Murfin Drilling Co., Inc.  
Address 250 N. Water, Suite 300  
Wichita, KS 67202  
City/State/Zip

2310 Ft. North from Southeast Corner of Section  
990 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Purchaser:  
Operator Contact Person: Larry M. Jack  
Phone ( ) 267-3241  
Contractor: Name: Duke Drilling Co., Inc.  
License: 5929

Lease Name Merrick Well # 2-23  
Field Name Wildcat  
Producing Formation LKC  
Elevation: Ground 1929 KB 1937  
Total Depth 4080' PBDT 4046'

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



If ~~OWO~~ old well info as follows:  
Operator:  
Well Name:  
Comp. Date 5/2/91 Old Total Depth 5/9/91  
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
Spud Date 5/2/91 Date Reached TD 5/9/91 Completion Date 5/29/91

Amount of Surface Pipe Set and Cemented at 418 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.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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, Prod. Manager Date 6/3/91  
Subscribed and sworn to before me this 3 day of June, 19 91.  
Notary Public Kerran Redington  
Date Commission Expires 2/6/94

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



pl

**SIDE TWO**

Operator Name Murfin Drilling Co., Inc. Lease Name Merrick Well # 2-23  
 Sec. 23 Twp. 23S Rge. 14W  East County Stafford  
 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)  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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)  see attached	<p style="text-align: center;"><b>Formation Description</b></p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <p style="text-align: center;">Name <span style="margin-left: 100px;">Top</span> <span style="margin-left: 100px;">Bottom</span></p> <p style="text-align: center;">see attached</p>
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**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"	20#	418	60/40 Poz	220	2% gel, 3% CC
Production	7 7/8"	4 1/2"	10.5#	4079	50/50 Poz	325	10% salt, 3/4% Halaid 322, 5#/sx Gilsonite

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
Shots Per Foot	Specify Footage of Each Interval Perforated		
4	3725-27'	750 gal. MOD-202	3725-27'
4	3684-86'	1500 gal. MOD-202	3684-86'

**TUBING RECORD** Size 2 3/8" Set At 3650' Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) Injection

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  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval as above

MERRICK 2-23  
Merrick Prospect #2538-01  
NW NE SE  
Sec. 23-23S-14W  
Stafford County, Kansas  
Page Three

MURFIN DRILLING COMPANY, INC.  
June 3, 1991  
ATTACHMENT TO ACO-1 WELL COMPLETION REPORT

LOG TOPS:	<u>Merrick 2-23</u>
STONE CORRAL	843 (+1094)
B/SC	857 (+1080)
STOTLER	2802 (- 865)
TARKIO	2864 (- 927)
HOWARD	3013 (-1076)
TOPEKA	3096 (-1159)
HEEBNER	3410 (-1473)
TORONTO	3431 (-1494)
DOUGLAS SHALE	3448 (-1511)
BROWN LIME	3549 (-1612)
LANSING	3566 (-1629)
H ZONE	3684 (-1747)
BKC	3814 (-1877)
VIOLA	3930 (-1993)
SIMPSON SHALE	3992 (-2055)
ARBUCKLE	4038 (-2101)

FINAL REPORT

- DST #1: 3675-94' (H Zone), 45-60-60-90. IF: very wk blow increasing to 2".  
 FF: very wk blow. Rec: 1' free oil, 120' MW (chl 38000 ppm, pit 5500 ppm).  
 HP: 1872-1802, SIP 978-978, FP 61-71/81-81, BHT 110°.
- DST #2: 3699-3743 (I & J Zones), 30-45-60-90. IF: wk surface blow increasing to .  
 2.5". FF: wk surface blow increasing to 3". Rec. 150' MW w/few spts of oil  
 (40% M, 60% W), Chl 38000 ppm, Pit Chl 8000 ppm). HP: 1892-1842, SIP  
 1216-1206, FP 40-51/71-81, BHT 112°.

RECEIVED  
STATE OF KANSAS COMMISSION

JUN 06 1991

Geological Survey Division  
Wichita, Kansas

TELEPHONE:  
AREA CODE 913 483-2627

# ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31  
RUSSELL, KANSAS 67665

ORIG

TO: Murfin Drilling Company  
250 N. Water #300  
Wichita, Kansas 67202

INVOICE NO. 59416  
PURCHASE ORDER NO. \_\_\_\_\_  
LEASE NAME Merrick 2-23  
DATE May 2, 1991

SERVICE AND MATERIALS AS FOLLOWS:

Common 132 sks @\$5.25	\$ 693.00	
Pozmix 88 sks @\$2.25	198.00	
Chloride 7 sks @\$21.00	<u>147.00</u>	\$ 1,038.00
Handling 220 sks @\$1.00	220.00	
Mileage (27) @\$0.04c per sk per mi	237.60	
Surface	380.00	
Mi @\$2.00 pmp. trk.	54.00	
1 plug	42.00	
118' @0.039c per ft. over 300'	<u>46.02</u>	<u>979.62</u>

Total \$ 2,017.62  
302.64  
1714.98

Cement circ.

*THANK YOU*  
*PI report*  
*[Signature]*

*13600 000 030318 2017.62 (5.23)*

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

*(302.64)*

RECEIVED  
STATE CORPORATION COMMISSION

JUN 06 1991

CONSERVATION DIVISION  
Wichita, Kansas

WARRANTIES: ALLIED WARRANTS ARE NEGOTIABLE INSTRUMENTS AND ARE SUBJECT TO THE TERMS AND CONDITIONS OF THE ALLIED WARRANTS AGREEMENT.

**ALLIED CEMENTING CO., INC.**  
 Home Office P. O. Box 31  
 Russell, Kansas 67665

New

Date	5-2-91	Sec.	23	Fwp.	23	Range	14	Called Out	1:00 PM	On Location	3:30 PM	Job Start	5:30 PM	Finish	6:00 PM
Case	Merrick	Well No.	2-23		Location			K. 19 + Eden Valley Rd 1/2 mi. west of curve		County	Stafford	State	K.S.		
Contractor	Duke Drilling Rig #2														
Type Job	surface pipe job														
Core Size	12 1/4	T.D.	419 ft												
sg. 23	8 3/8	Depth	419 ft												
Log Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15 ft	Shoe Joint													
Press Max.		Minimum													
Leas Line	403 ft	Displace	25.9664												
Ref.															

Owner Same

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 Marlin Drilling Company  
 Street 250 N. Water Suite 300  
 City Wichita State Ks 67202

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

Purchase Order No. John J. Amhurst  
 CEMENT Thank You CHD

Amount Ordered 220 6/40 2 + 3

**EQUIPMENT**

Great Bend

Trk No.	Cementor	M.H.S.
120	Helper	Brad
No.	Cementor	
	Helper	
	Driver	Duane
101	Driver	

Consisting of			
Common	132	5.25	693.00
Poz. Mix	88	2.25	198.00
Gel.	4	6.75	NIC
Chloride	7	21.00	147.00
Quickset			

DEPTH of Job 416 ft

Reference:	Pump Truck charge	380.00
27	mileage charge	54.00
1	wooden plug	42.00
	118' at .39	46.02
	<b>Total</b>	<b>522.02</b>

Handling	220	1.00	220.00
Mileage	27		237.60
Sub Total			
Total			1495.60

Remarks: Cement did circulate

Floating Equipment

Total # 2017.62  
 Disc - 302.65

STATE COMMISSION

JUN 06 1991

\$ 1714.97

Allied Cementing Co Inc  
 Mike Munnick

Thank you CHD

INVOICE

**H** A Halliburton Company

INVOICE NO.	DATE
126265	05/09/199

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
MERRICK 2-23		STAFFORD		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
GREAT BEND		DUKE RIG #2	CEMENT PRODUCTION CASING		05/09/199
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
614500	PETE KUENEYL		<i>Comp exp</i>	COMPANY TRUCK	1524

MURFIN DRUG CO  
BOX 288  
RUSSELL, KS 67665

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	32	MI	2.60	83.20
001-016	CEMENTING CASING	4077	FT	1,300.00	1,300.00
030-018	CEMENTING PLUG 5W, PLASTIC TOP	4	1/2 IN	50.00	50.00
40	CENTRALIZER 4-1/2" MODEL S-4	6	EA	43.00	258.00
807.93004	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA	73.00	73.00
24A	FILL-UP UNIT 4 1/2"-5"	1	EA	27.50	27.50
815.19101	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA	89.00	89.00
27	ROTO WALL CLEANER 2 1/8" SPIKE	20	EA	22.00	440.00
815.19113	CEMENT BASKET 4 1/2"	2	EA	85.00	170.00
12A	SUPER FLUSH	12	SK	82.00	984.00
825.201	STANDARD GEL	163	SK	5.35	872.05
60	POZMIX A	162	SK	2.79	451.98
807.0007	HALLIBURTON-GEL 2%	6	SK	.00	N/C
320	SALT	1600	LB	.10	160.00
800.8881	SALT	400	LB	.10	40.00
018-317	GILSONITE, SACKED	1650	LB	.47	775.50
504-308	HALAD-322	205	LB	6.15	1,260.75
506-105	BULK SERVICE CHARGE	387	CFT	1.15	445.05
506-121	MILEAGE CMTG MAT DEL OR RETURN	507.22	TMI	.80	405.78
509-968					
509-968					
508-292					
507-775					
500-207					
500-306					
INVOICE SUBTOTAL					7,945.81

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND REASONABLE ATTORNEY'S FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.