

CONFIDENTIAL

FORM MUST BE TYPED

SIDE ONE

CONFIDENTIAL
TIGHT HOLE
ORIGINAL

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

API NO. 15-163-23351-00-00
County ROOKS
NE-SW SE Sec 32 Twp. 10S Rge. 19 W

Operator: License # 30606

1200 Feet from SN (circle one) Line of Section

Name: Murfin Drilling Co., Inc.

1360 Feet from EW (circle one) Line of Section

Address 250 N. Water, Suite 300

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

City/State/Zip Wichita, KS 67202

Lease Name ARMBRISTER Well # 1-32

Purchaser: _____

RECEIVED
10-28-2002
OCT 28 2002

KCC WICHITA

Operator Contact Person Tom W. Nichols

Field Name UNKNOWN

Phone (316) 267 - 3241

Producing Formation LKC

Contractor: Name: Murfin Drilling Co., Inc.

KCC

Elevation: Ground _____ KB _____

License: 30606

OCT 14 2002

Total Depth 3775' PBTB

Wellsite Geologist: _____

Amount of Surface Pipe Set and Cemented at 371 Feet

Designate Type of completion
 New Well Re-Entry Workover

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2518 Feet

If Alternate II completion, cement circulated from surface feet
depth to 2518 w/ 170 sx cmt.

Drilling Fluid Management Plan All EOC 11-4-02
(Data must be collected from the Reserve Pit)

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

Operator: _____

Chloride content _____ ppm Fluid volume 2500 bbls

Well Name: _____

Dewatering method used Evaporation

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

Deepening Re-perf. Conv. to Inj/SWD

Operator Name _____

Plug Back _____ PBTB

Lease Name _____ License No. _____

Commingled _____ Docket No. _____

Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

County _____ Docket No. _____

9/04/02 9/10/02 9/27/02
Spud Date Date Reached TD Completion Date

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 Tom W. Nichols

Title Tom W. Nichols, Production Manager Date 2002

Subscribed and sworn to before me this 14 day of OCT.
2002.

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)
Release
NOV 05 2003

BARBARA J. DODSON
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 12-16-03

SIDE TWO

Form ACO-1 (7-91)
From
Confidential

Operator Name Murfin Drilling Co. Inc.

Lease Name Armbrister Well # 1-32

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Sec. 32 Twp. 10S Rge. 19 W 10 East West

County Rooks

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.)

Log Formation (Top), Depth and Datums Sample

Samples Sent to Geological Survey Yes No

Name Top Datum

Cores Taken Yes No

SEE ATTACHED LIST

Electric Log Run Yes No
(Submit Copy.)

List all E.Log Comp Den. Nuutron, MicroLog, Dual Induction

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 1/4"	8 5/8"	24#	234'	COMM	160	3%cc 2% gel
Production		5 1/2"		3774'	AA-2	175	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top/Btm	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Csg <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Sur/2518'	A-con	170	

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	
		Amount	Depth
3	3552-54, 3530-32	1250 gals 15% MCA	3552-54, 3530-32
3	3456-60, 3449-52	2000 gals 15% MCA	3456-60, 3449-52
3	3428-30, 3410-14	1750 gals 15% MCA	3428-30, 3410-14

TUBING RECORD Size 2 3/8"	Set At 3645	Packer At	Liner <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. 10/11/02	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other
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Estimated Production Per 24 Hours	Oil 54.72 Bbls	Gas Mcf	Water 2.88 Bbls	Gas-Oil Ratio	Gravity
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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

as above



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15-163-23351-00-00

ORIGINAL

SALES OFFICE:
 105 S. Broadway
 Suite #420
 Wichita KS 67202
 (316) 262-3699
 (316) 262-5799 FAX

SALES & SERVICE OFFICE:
 10244 NE Hiway 61
 P.O. Box 8613
 Pratt, KS 67124-8613
 (316) 672-1201
 (316) 672-5383 FAX

ACIDIZING - FRACTURING - CEMENTING

KCC

Invoice

OCT 14 2002 5873197

Bill to:

MURFIN DRILLING
 Box 288
 Russell, KS 67605

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 RECEIVED**

OCT 28 2002

KCC WICHITA

Invoice	Invoice Date	Order	Order Date
209111	9/30/02	5409	9/25/02
Service Description			
Cement			
Lease		Well	
Armbrister		1-32	
AFE	CustomerRep	Treater	Well Type
	J. Gerstner	K. Gordley	New Well
			Purchase Order
			Terms
			Net 30

ID.	Description	UOM	Quantity	Unit Price	Price
D201	A-CON BLEND (COMMON)	SK	170	\$13.00	\$2,210.00
C310	CALCIUM CHLORIDE	LBS	537	\$0.75	\$402.75
P104	20/40 SACKED BRADY SAND	CWT	2	\$20.00	\$40.00
E107	CEMENT SERVICE CHARGE	SK	170	\$1.50	\$255.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	40	\$3.00	\$120.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	320	\$1.25	\$400.00
R400	CEMENT PUMPER, PLUG & ABANDON (Workover Unit)	EA	1	\$650.00	\$650.00

Sub Total: \$4,077.75

Discount: \$1,019.44

Discount Sub Total: \$3,058.31

Tax Rate: 6.30% **Taxes:** \$0.00

(T) Taxable Item **Total:** \$3,058.31

Release

NOV 05 2003

From

Confidential

PLEASE REMIT TO Acid Services, LLC, Dept No 1131, Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.

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OCT 14 2002

ORIGINAL

15463-23351-00-00



INVOICE NO.
Date 9-25-02
Customer ID

CONFIDENTIAL
Subject to Correction

FIELD ORDER

5409

CHARGE

MURFEN DRILLING CO

Lease ARMBRISTER	Well # 1-32	Legal 32-10-19
County ROOKS	State KS	Station PRATT, KS
Depth	Formation	Shoe Joint
Casing 5 1/2	Casing Depth	TD
Customer Representative J. GIBSTER	Treater K. CORDLEY	Job Type PORT COLLAR NEW WELL

AFE Number PO Number

Materials Received by X *John Guster*

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
0201	170 SK	A-CON CEMENT	✓			
0310	537 lb	BARCLUM OILWELL	✓			
P104	2 CWT	20/40 SACK STANDS	✓			
RECEIVED						
OCT 28 2002						
KCC WICHITA						
E107	170 SK	CEMENT SERV. CHARGE				
E100	40 mile	UNITS MILES				
E104	320 TM	TONS MILES				
R400	1 EA.	EA. PUMP CHARGE				
		PRICE + TAX =		3058.31		

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TOTAL

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KCC

OCT 14 2002

ORIGINAL

15-163-23351-00-00

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ACID

100 S. Main, Suite 607
Wichita, KS 67202
(316) 262-3699
(316) 262-5799 FAX

SALES & SERVICE OFFICE:
10244 NE Hiway 61
P.O. Box 8613
Pratt, KS 67124-8613
(316) 672-1201
(316) 672-5383 FAX

SERVICES, LLC

ACIDIZING - FRACTURING - CEMENTING

Invoice

Bill to:		5873197	Invoice	Invoice Date	Order	Order Date
MURFIN DRILLING Box 288 Russell, KS 67605			209022	9/12/02	5288	9/10/02
<p style="text-align: center;">RECEIVED OCT 28 2002 KCC WICHITA</p>			Service Description			
			Cement			
			Lease		Well	
			Armbrister		1-32	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms	
	Niel Avison	T. Seba	New Well		Net 30	

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D205	AA2 (COMMON)	SK	175	\$13.06	\$2,285.50
D203	60/40 POZ (COMMON)	SK	25	\$7.75	\$193.75
C196	FLA-322	LB	132	\$7.25	\$957.00
C223	SALT (Fine)	LBS	1035	\$0.35	\$362.25
C243	DEFOAMER	LB	33	\$3.00	\$99.00
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00
F252	ROTATING SCRATCHERS	EA	20	\$56.00	\$1,120.00
F101	CENTRALIZER, 5 1/2"	EA	10	\$71.00	\$710.00
F151	LATCH DOWN PLUG & BAFFLE, 5 1/2"	EA	1	\$250.00	\$250.00
F161	GUIDE SHOE-REGULAR, 5 1/2"	EA	1	\$185.00	\$185.00
F111	BASKET, 5 1/2"	EA	1	\$205.00	\$205.00
F223	CEMENT PORT COLLAR, 5 1/2"	EA	1	\$3,000.00	\$3,000.00
F800	THREADLOCK COMPOUND KIT	EA	1	\$30.00	\$30.00
C171	BENZOIC ACID FLAKES	LB	2	\$2.00	\$4.00
E107	CEMENT SERVICE CHARGE	SK	200	\$1.50	\$300.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	120	\$3.00	\$360.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	1122	\$1.25	\$1,402.50
R208	CASING CEMENT PUMPER, 3501-4000'	EA	1	\$1,600.00	\$1,600.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00
R702	CASING SWIVEL RENTAL	EA	1	\$125.00	\$125.00

prod. chg.

Release
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From
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Sub Total:	\$13,814.00
Discount:	\$4,785.50
Discount Sub Total:	\$9,028.50
Tax Rate: 6.30%	Taxes: \$0.00
(T) Taxable Item	Total: \$9,028.50

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.

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OCT 14 2002

ORIGINAL

15-163-23351-00-00



INVOICE NO.		CONFIDENTIAL Subject to Correction		FIELD ORDER 5238	
Date 9-10-02	Lease ARMBRESTER	Well # 1-32	Legal 32-103-19W		
Customer ID	County Rocks	State KS	Station PRATT		
MURKIN ORIG.		Depth	Formation LWD 3773'	Shoe Joint 44.13	L.D. PLUG & BARRI
TRICH PROD.		Casing 5 1/2	Casing Depth 3775'	Job Type 5 1/2 L.S. NEW WELL	
OPTED OUT AT CASING POINT		Customer Representative NEIL	Treater T. SEBA		

CHARGE

A/E Number	PO Number
------------	-----------

Materials Received by **X** *THANKS. K. J. [Signature]*

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-205	175 SKS	AA-2 (Common)	✓			
D-203	25 SKS	60/40 P22	✓			
-196	132 lbs	FLA-322	✓			
-223	1035 lbs	SAIT (FINES)	✓			
-243	33 lbs	DEFOAMER	✓			
-302	500 GAL	MUD FLUSH	✓			
-252	20 EA	CMT SCRATCHERS RSTAIN 5/2	✓			correctly additional 10 scratchers used
-101	10 EA	TURBOLIZER 5/2	✓			
-151	1 EA	L.D. PLUG & BAPPLE "	✓			
-141	1 EA	GUIDE SHOE REG. "	✓			
-111	1 EA	CMT BASKET "	✓			
-223	1 EA	CMT PORT COLLAR "	✓			
-300	1 EA	THREALOCK	✓			
-141	2 GAL	CC-1	✓			
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-107	200 SKS	CEMENT SERV. CHARGE				
-100	120 MF	UNITS /WAY MILES 120				
-104	1,122 TM	TONS MILES				
-208	1 EA	EA. 3776' PUMP CHARGE				
-701	1 EA	CEMENT HEAD RENTAL				
-702	1 EA	CSG. SUEVEL RENTAL				
		DISCOUNTED PRICED + TAXES		9,029.50		

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MAY 05 2003
From
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OCT 14 2002

TREATMENT REPORT

15-163-23351-00-00



Customer ID	CONFIDENTIAL	Date	9-25-02
Customer	MURFON DEC. CO.	Lease No.	1-32
Lease	ARM BRISTER	Well #	1-32

Field Order #	5409	Station	PRATT, KS	Casing	5 1/2	Depth		County	ROOKS	State	KS
Type Job	PORT COLLAR - NEW WELL		Formation	PORT COLLAR-1516'		Legal Description	32-10-19				

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	From	To	Rate	Press	ISIP	
2 1/2"	2 1/8"	PORT COLLAR	1516'		170 SK A-CON			5 Min.
Depth	Depth				3 1/2 C.C.			10 Min.
Volume	Volume				11.6 PPG			15 Min.
Max Press	Max Press				2.82 H ² /SK			HHP Used
Well Connection	Annulus Vol.							Annulus Pressure
Plug Depth	Packer Depth							Gas Volume
2916								Total Load

Customer Representative	J. GERSHNER	Station Manager	D. AUSTIN	Treater	K. COOPER
Service Units	107	35	57	44	70

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1200					ON LOCATION
					PLUG-2916' TBG-2518'
		300	65	3	CIRC WELL WITH SPILL H ₂ O
		1000		1	PSD TEST CSG & PLUG-HEAD
1315		100	9	2	SPOT 2 SK STAND-9611
					HUNT FOR PORT COLLAR
					OPEN PORT COLLAR
		200	2	2	INT. RATE
		200	0	3	MIX CEMENT
					170 SK A-CON 3 1/2 C.C.
		400	84	3	CIRC. CEMENT TO SURFACE
		500	5	3	PUMP 5 bbl H ₂ O DISP.
		250			CLOSE PORT COLLAR
		1000			PSD TEST GRABING-HEAD
					RUN 5 ITS. TBG
1445	200		12	2	REVERSE CUV - 2 FRAGS
					RUN TBG TO CIRC STAND
1530	200		20		CIRC STAND OFF RBP
1530					JOB COMPLETE
					THANKS - HEVON

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KCC WICHITA

Release
NOV 05 2003
From
Confidential

CONFIDENTIAL

KCC

OCT 14 2002

ORIGINAL

Release

TREATMENT REPORT

NOV 05 2003

15-163-23351-00-00



Customer: CONFIDENTIAL	Date: From
Customer: MURPHY D&C	9-10-02 Confidential
Lease: ARMBRISTER	Lease No. 1-32
	Well # 1-32

Field Order # 5256	Station PRATT	Casing 5 1/2	Depth 3776	County Rooks	State KS
Type Job 5 1/2 LONGSTRING NEW WELL			Formation Be Coliae 1517'	Legal Description 32-105-1940	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2				175 SKI AA-2 Com				
Depth 3776.68	Depth	From	To	Pre Pad 50% = FLA-322	Max		5 Min.	
Volume 58.83	Volume	From	To	Pad 24% D-AR-1	Min		10 Min.	
Max Press	Max Press	From	To	Frac 10% SAIT	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	2.5 Bbls 24% KLL	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush 12 Bbls Muo Fluid	Gas Volume		Total Load	

Customer Representative NEEL	Station Manager D. ALTRY	Treater T. SEBA		
Service Units	114	26	36	76

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:30					CALLER OUT
7:30					ON LOC W/ TRK'S & SAFETY MTG.
					RUN 91 JT'S 5 1/2 15.5" CSG
					G.S & L.O. BAPPIE 1ST = 44.18'
					CENT 1-3-5-7-9-11-13-15-17
					CMT BOLT TOP OF 53 PER COLIAE TOP OF 55
					1517' CENT TOP OF 56 ↓ T 1517' B 1520'
2:00					CSG ON BOTTOM
2:15					Hook up TO CSG. & Break circ w/ REG
3:10	200				START Pump PREFLUSH HB
			25		25 Bbls 24% KLL
			12		Muo Flush
			5		H ₂ O SPACER
3:30					START MIX & Pump 175 SKI AA-2 15" / GAL
			44.57		SHUT DOWN RELEASE L.O. PLUG
			10		CLEAR Pump & LEVES
3:32	200			6.5	START DISP ROTATE PURFAC 503
	600		69	5	LIFT CMT GOOD CIRC THRU 503 ✓
3:46	1200		88.83	3	PLUG DOWN
3:47					RELEASE & HELD
					Plug R: M HOLES 2.5 SKI 60/40 B2

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