

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

6/19/11

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 30606  
Name: Murfin Drilling Company, Inc.  
Address: 250 N. Water, Suite 300  
City/State/Zip: Wichita, Kansas 67202  
Purchaser: None  
Operator Contact Person: Leon Rodak  
Phone: (316) 267-3241  
Contractor: Name: Murfin Drilling Company, Inc.  
License: 30606  
Wellsite Geologist: Bob Stolzie

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: \_\_\_\_\_  
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. \_\_\_\_\_

02/18/09    03/01/09    03/02/09  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 145-21580-0000  
County: Pawnee  
W2 SE SE SE Sec. 31 Twp. 22 S. R. 15  East  West  
330 FSL feet from (S) N (circle one) Line of Section  
510 FEL feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Bowman "A" Well #: 1-31  
Field Name: Bow

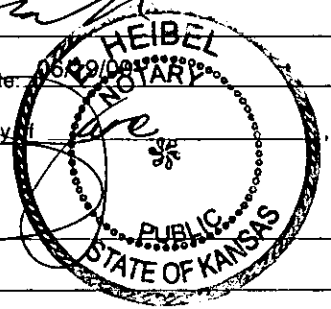
Producing Formation: None  
Elevation: Ground: 2010 Kelly Bushing: 2015  
Total Depth: 4057 Plug Back Total Depth: None  
Amount of Surface Pipe Set and Cemented at 630 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan DANS 81009  
(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.: \_\_\_\_\_

**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: Leon Rodak, VP Production Date: 06/19/09  
Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_  
2009  
Notary Public: \_\_\_\_\_  
Date Commission Expires: 4/11/2011



**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
**RECEIVED**  
**JUN 19 2009**

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Operator Name: Murfin Drilling Company, Inc. Lease Name: Bowman "A" Well #: 1-31  
 Sec. 31 Twp. 22 S. R. 15  East  West County: Pawnee

**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 <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		8 5/8	23#	630	Common	300 sx	3% cc, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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

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TUBING RECORD		Size	Set At	Packer At	Liner Run		
					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SWD or Enhr.			Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
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.)  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

JUN 1 2009

Bowman A #1-31 330 FSL 510 FEL Sec. 31-T22S-R15W 2015' KB						#1 Zook Sec. 6-T23S-R15W NW NE NE 2015' KB		
Formation	Sample Top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	946	+1069	+3	944	+1071	+5	949	+1066
B/Anhydrite	967	+1048	-4	966	+1049	+3	963	+1052
Tarkio	2841	-826	+9	2839	-824	+11	2850	-835
Topeka				3045	-1030	+12	3057	-1042
Heebner	3415	-1400	+11	3416	-1401	+10	3426	-1411
Brown Lime	3533	-1518	+11	3534	-1519	+10	3544	-1529
BKC	3789	-1774	+13	3790	-1775	+12	3802	-1787
Viola	3869	-1854	+7	3888	-1873	+12	3876	-1861
Simp Sh	3949	-1934	+3	3938	-1923	+14	3952	-1937
Arbuckle	3981	-1966	+11	3974	-1959	+18	3992	-1977
RTD	4057	-2042					4050	-2035
LTD				4056	-2041			

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Quality Oilwell Cementing Inc.

740 W WICHITA  
P.O. Box 32  
Russell, KS 67665

# Invoice

Date	Invoice #
2/23/2009	1395

<b>Bill To</b>
Murfin Drilling Company P.O. Box 661 COLBY KS 67701

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*Operator Pay*

P.O. No.	Terms	Project
		Rig 24/Dm Bowman A1-31

Quantity	Description	Rate	Amount
300	common	11.00	3,300.00T
6	GEL	18.00	108.00T
11	Calcium	45.00	495.00T
317	handling	2.00	634.00
9,510	.08 * 317 SACKS * 30 MILES	0.08	760.80
1	8 5/8 solid rubber plug	85.00	85.00T
1	8 5/8" centralizers	50.00	50.00T
1	8 5/8 baffle plate	70.00	70.00T
1	surface pipes 0-500ft	450.00	450.00
30	pump truck mileage charge	6.00	180.00
920	discount 15% if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-920.00
	LEASE: BOWMAN WELL #A1-31		
	Pawnee county Sales Tax	6.30%	258.80

Account	Unit /lig	W L	No.	Amr/unit	Description
05100	02440	3401	5491.60		Cement 5 (3)

Thank you for your business. Dave

**Total**

\$5,471.60

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2038

Date	2-19-09	Sec.	31	Twp.	22	Range	15	Called Out		On Location		Job Start		Finish	10:30			
Lease	Bowman		Well No.			A1-31			Location			Radium, Ks.		DAWNEZ County	State	Ks.		
Contractor	MURFIN DRILLING							Owner								6W-55 - 1/4 W. - N. INTO		
Type Job	8 5/8" S.P.							To Quality Oilwell Cementing, Inc.								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.		
Hole Size	12 1/4		T.D.			630			Charge To								MURFIN DRILLING	
Csg.	4 5/8 x 23 #		Depth			630			Street									
Tbg. Size			Depth						City								State	
Drill Pipe			Depth						The above was done to satisfaction and supervision of owner agent or contractor.									
Tool			Depth															
Cement Left in Csg.			Shoe Joint			50.55												
Press Max.			Minimum															
Meas Line			Displace															
Perf.																		

EQUIPMENT								Amount Ordered								300 SK COMMON	
Pumptrk	5	No.	Cementor	Helper	BOBBY	Consisting of								2% GEL, 3% C.I.			
Bulktrk	4	No.	Driver	DRAN	Common								300 SK @ 11.00				
Bulktrk	P.H.	No.	Driver	TODD	Poz. Mix												

JOB SERVICES & REMARKS								Gel.								6 @ 18.00	
Pumptrk Charge	SURFACE		450.00			Chloride								11 @ 45.00			
Mileage	30 @ 6.00					Hulls											
Footage						Salt											
			Total			Flowseal											

Remarks:								Sales Tax									
RAN 15 ITS 4 5/8 x 23 # CSG.								Handling								317 @ 2.00	
MIX & PUMP 300 SKS. COMMON								Mileage								.08 PER SK PER MILE	
2% GEL - 3% C.I.								Sub Total									
15.0 #/GAL 1.36 FT <sup>3</sup>								Total									

DISP 37.661 TOTAL								Floating Equipment & Plugs								1 TOP ROBBED DISC 85.00	
CIRCULATION FROM JOB								Squeeze Manifold								1 Baffle Plate 30.00	
CIRCULATED CEMENT TO CEMENT								Rotating Head								1 CENTRALIZER 50.00	

THANKS,  
BOBBY-TODD  
DAN  
Signature *Anthony Mart*

Please  
Call Again

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Tax  
Discount  
Total Charge

Quality Oilwell Cementing Inc.

740 W WICHITA  
P.O. Box 32  
Russell, KS 67665

*acct. by*

# Invoice

Date	Invoice #
3/2/2009	1411

<b>Bill To</b>
Murfin Drilling Company P.O. Box 661 COLBY KS 67701

**PROD COPY**

*operator pay*

P.O. No.	Terms	Project
Bowman A	1-3/0 m.	

Quantity	Description	Rate	Amount
156	common	11.00	1,716.00T
104	POZ	6.00	624.00T
9	GEL	17.00	153.00T
65	Celloseal	2.00	130.00T
269	handling	2.00	538.00T
8,070	.08 * 269 MILES * 30 MILES	0.08	645.60T
1	pump truck charge plugging ARBUCKLE	500.00	500.00T
30	pump truck mileage charge	6.00	180.00T
673	discount 15% if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-673.00
	LEASE: BOWMAN A WELL #1-31 ✓		
	Pawnee county Sales Tax	6.30%	282.66

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Account	Unit Rig	W L	No.	Amount	Description
05000	02440		3401	4096.26	P/A

Thank you for your business. Dave

**Total**

\$4,096.26

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2045

Date	3-1-09	Sec.	31	Twp.	22	Range	15	Called Out		On Location		Job Start		Finish	2:30 AM
Lease	Bowman A	Well No.	1-31	Location	Radium-6W-65-					Pawnee County		State	KS.		
Contractor	MUREIN #24			Owner	V.W. - NINTO			To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job	PTA			Hole Size	7 7/8	T.D.	4057	Charge To	MUREIN DRILLING						
Csg.	8 5/8			Depth	630			Tbg. Size	Depth						
Drill Pipe	Depth			Street											
Tool	Depth			City	State										
Cement Left in Csg.	Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.											
Press Max.	Minimum														
Meas Line	Displace			CEMENT											
Perf.															
EQUIPMENT				Amount Ordered	260 sk. 60/40 Pdz										
Pumptrk	5	No.	Cement	Consisting of 4% Gel 4 1/2 Cell/Pdz											
			Helper	Common 156											
Bulktrk	2	No.	Driver	Poz. Mix 104											
			Driver	Gel. 9											
Bulktrk	PU	No.	Driver	Chloride											
			Driver	Hulls											
JOB SERVICES & REMARKS				Total				Flowseal				65			
Pumptrk Charge	PTA							Salt				KCC WICHITA			
Mileage								Flowseal				65			
Footage								Flowseal				65			
Remarks:	<p>Mix &amp; Pump 50sk @ 398'</p> <p>Mix &amp; Pump 50sk @ 100'</p> <p>Mix &amp; Pump 50 sk. @ 660'</p> <p>Mix &amp; Pump 40sk @ 250'</p> <p>Mix &amp; Pump 20sk @ 160'</p> <p>Plug Rat Hole w/ 30sk</p> <p>Plug Mouse Hole w/ 20sk</p>														
Thanks, Bobby				Please Call				Sales Tax							
Tadd & Doug				Again				Handling				269			
Signature				Anthony Mout				Mileage				.08 per sk. per mile			
								Sub Total							
								Total							
								Floating Equipment & Plugs							
								Squeeze Manifold							
								Rotating Head							
								Tax							
								Discount							
								Total Charge							