

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED

NOV 13 2002

KCC WICHITA

ORIGINAL

Operator: License # 30128  
Name: Kenneth S. White  
Address: 2400 N. Woodlawn, Suite 115  
City/State/Zip: Wichita KS 67220  
Purchaser: NCRA  
Operator Contact Person: Kenneth S. White  
Phone: (316) 682-6300  
Contractor: Name: Murfin Drilling Co., Inc.  
License: 30606  
Wellsite Geologist: Tom Robinson

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KCC

NOV 11 2002

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Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

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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. \_\_\_\_\_

7/31/02 8/10/02 9/6/02  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15-187-20984-00-00  
County: Stanton  
UESW Sec. 36 Twp. 29 S. R. 41  East  West  
1750 feet from (S) N (circle one) Line of Section  
2065 feet from E (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: Martin Well #: 1  
Field Name: Arroyo Southeast  
Producing Formation: Morrow (Keyes)  
Elevation: Ground: 3341 Kelly Bushing: 3351  
Total Depth: 5688 Plug Back Total Depth: 5639  
Amount of Surface Pipe Set and Cemented at 1656 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 11/11/02 12-14-05  
(Data must be collected from the Reserve Pit)  
Chloride content 300 ppm Fluid volume 1700 bbls  
Dewatering method used  Evaporation  
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 field 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: Kenneth S. White  
Title: Operator Date: 11/11/02  
Subscribed and sworn to before me this 11<sup>th</sup> day of November, 2002.  
Notary Public: Susan M. Way  
Date Commission Expires: \_\_\_\_\_

SUSAN M. WAY  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 10-12-04

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

Operator Name: Kenneth S. White Lease Name: Martin Well #: 1  
 Sec. 36 Twp. 29 S. R. 41  East  West County: Stanton

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  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 <i>(Submit Copy)</i>  List All E. Logs Run:  Compensated Density/Neutron Dual Induction Microlog Sonic Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Atoka Shale</td> <td>4888</td> <td>-1537</td> </tr> <tr> <td>Morrow Shale</td> <td>5016</td> <td>-1665</td> </tr> <tr> <td>Lower Morrow Marker</td> <td>5346</td> <td>-1995</td> </tr> <tr> <td>Keyes Sand</td> <td>5455</td> <td>-2104</td> </tr> <tr> <td>Miss (St. Gen)</td> <td>5485</td> <td>-2134</td> </tr> </table>	Name	Top	Datum	Atoka Shale	4888	-1537	Morrow Shale	5016	-1665	Lower Morrow Marker	5346	-1995	Keyes Sand	5455	-2104	Miss (St. Gen)	5485	-2134
Name	Top	Datum																	
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Keyes Sand	5455	-2104																	
Miss (St. Gen)	5485	-2134																	

CASING RECORD <input checked="" 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#	1656	500 sx Lite Cement w/3% CC & 150 sx Common Cmt w/3% CC & 1/4# flosea		
Production	7-7/8"	5-1/2"	15.5#	5684	50 sx 50/50 PozMix w/2% gel & 5# Gilsonite/sk & 150 sx premium cement w/10# CalSeal/sk, 6# Gilsonite/sk, 10% salt and .6 of 1% Halad-322		

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	5604' - 5608'	500 gals 15% MCA Acid, non-commercial Set CIBP @5600'	
4	5456' - 5476'	Acidize w/1500 gals 7-1/2% NE Acid & Frac w/55,000# 16/30 Sand, 6000# 16/30 Resin Coated Sand, 37,100 gals of 20# Delta Frac and 8470 gals of 20# Waterfrac G.	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	5514'	none	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.			Producing Method		
9/6/02			<input type="checkbox"/> Flowing <input checked="" 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
	20	185	20	9.25:1	42

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Sumit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

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**ORIGINAL**

Attached to and Made a Part of  
ACO-1 Form for  
KENNETH S. WHITE  
MARTIN #1  
1750' FSL and 2065' FWL  
Section 36-29S-41W  
Stanton County, Kansas

**KCC**  
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KCC WICHITA

Drill Stem Tests Taken

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DST #1 5455' - 5480' (Keyes)

30" - 60" - 45" - 90"

1<sup>st</sup> Open: Strong Blow off bottom of bucket in 5 minutes  
Slight blow back, built to 1/4"

2<sup>nd</sup> Open: Strong blow of bottom of bucket in 3 minutes,  
Gas to Surface in 10 minutes, gauged 2.36 MCF and built to 3.66 MCF

Rec: 300' of Total Fluid as follows:

30' Gassy Oil (75% oil, 20% gas, 5% mud)

90' Gassy Oily Mud (50% mud, 40% gas, 10% oil)

90' Gassy Oily Watery Mud (20% gas, 10% oil, 30% wtr, 40% mud)

90' Slightly Oil Cut Gassy Muddy Water (10% gas, 5% oil, 55% wtr, 30% mud)

IFP: 36# - 106#

ISIP: 196#

IHP: 2702#

FFP: 104# - 117#

FSIP: 196#

FHP: 2541#

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ALLIED CEMENTING CO., INC.

11803

Federal Tax I.D.#

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

(C)

SERVICE POINT

ORIGINAL

Oakley

DATE 8-2-02	SEC 36	TWP 29S	RANGE 4/W	CALLED OUT	ON LOCATION 2:00 AM	JOB START 6:45 AM	JOB FINISH 8:00 AM
LEASE Martin	WELL# 1	LOCATION Johnson 6 1/2 S E/S	COUNTY Stanton	STATE KS	KCC		
OLD OR NEW (Circle one)					NOV 11 2002		

CONTRACTOR Murfaird/Lg Rig 14

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 1660'

CASING SIZE 8 7/8 DEPTH 1660'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1000' MINIMUM

MEAS. LINE SHOE JOINT 43.33'

CEMENT LEFT IN CSG. 43.33'

PERFS.

DISPLACEMENT

OWNER game

CEMENT

AMOUNT ORDERED 500 sks Lite 32cc 1/4 # 5

150 sks com 32cc

COMMON	<u>150 sks</u>	@ <u>7.85</u>	<u>1177.50</u>
POZMIX		@	
GEL		@	
CHLORIDE	<u>20 sks</u>	@ <u>30.00</u>	<u>600.00</u>
Lite weight	<u>500 sks</u>	@ <u>6.65</u>	<u>3325.00</u>
Flo Seal	<u>125 #</u>	@ <u>1.40</u>	<u>175.00</u>
		@	
		@	
		@	
HANDLING	<u>650 sks</u>	@ <u>1.10</u>	<u>715.00</u>
MILEAGE	<u>44 /sk/mile</u>		<u>780.00</u>

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EQUIPMENT

PUMP TRUCK CEMENTER Dean

# 191 HELPER Fuzzy

BULK TRUCK

# 347 DRIVER Tarrad

BULK TRUCK

# 361 DRIVER Lannie

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NOV 13 2002

TOTAL 6772.50

REMARKS: KCC WICHITA SERVICE

Cement did circulate ✓

Circulated 15 Bbls Cement to Pit.

Plug Landed

Float Held

DEPTH OF JOB 1660'

PUMP TRUCK CHARGE 1130.00

EXTRA FOOTAGE @

MILEAGE 30 miles @ 3.00 90.00

PLUG 8 7/8 Rubber Plug @ 100.00

@

@

TOTAL 1320.00

CHARGE TO: Kenneth S. White

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

8 5/8 FLOAT EQUIPMENT

Guide Shoe	@	<u>238.00</u>
API Insert	@	<u>325.00</u>
3 Centralizers	@ <u>55.00</u>	<u>165.00</u>
	@	
	@	
TOTAL <u>728.00</u>		

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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 8820.50

DISCOUNT 882.05 IF PAID IN 30 DAYS

7938.45

SIGNATURE James Renner

PRINTED NAME

# HALLIBURTON JOB SUMMARY

REGION <b>NORTH AMERICA LAND</b>		COUNTRY <b>Central / USA</b>		SALES ORDER NUMBER <b>1095572</b>	TICKET DATE <b>08/10/02</b>
MCL ID / EMPLOYEE # <b>10011504 / 105848</b>		F.L.E.S. EMPLOYEE NAME <b>JOHN WOODROW</b>		BDA / STA <b>MC/Ks</b>	COUNTY <b>STANTON</b>
LOCATION <b>LIBERAL, KS</b>		COMPANY <b>KENNETH S. WHITE</b>		PSL DEPARTMENT <b>CEMENT</b>	ORIGINAL
TICKET AMOUNT <b>\$7,775.27</b>		WELL TYPE <b>OIL</b>		CUSTOMER REP / PHONE <b>HERB DURANT 316-772-7398</b>	
WELL LOCATION <b>JOHNSON,KS.</b>		DEPARTMENT <b>CEMENT</b>		SAP BOMB NUMBER	Description <b>Cement Production Casing</b>
LEASE NAME <b>MARTIN</b>		Well No. <b>#1</b>	SEC / TWP / RNG <b>36 - 29S - 41W</b>	HES FACILITY (CLOSEST TO WELL SITE) <b>LIBERAL,KS.</b>	

HES EMP NAME / EMP # / (EXPOSURE HOURS)		HRS		HRS		HRS		HRS	
<b>Woodrow, J 105848</b>		<b>Schawo, N 222552</b>						<b>KCC</b>	
<b>Arnett, J 226567</b>								<b>NOV 11 2002</b>	

H.E.S. UNIT #S / (R / T MILES)		R / T MILES		R / T MILES		R / T MILES		R / T MILES	
<b>10011504 P/U</b>		<b>60</b>		<b>54225 / 6611</b>		<b>30</b>			
<b>54219 / 78299</b>		<b>60</b>						<b>CONFIDENTIAL</b>	

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form. Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **5685**

Date	Called Out	On Location	Job Started	Job Completed
	<b>8/10/2002</b>	<b>8/10/2002</b>	<b>8/11/2002</b>	<b>8/11/2002</b>
Time	<b>1800</b>	<b>2200</b>	<b>0830</b>	<b>0925</b>

**Tools and Accessories**

Type and Size	Qty	Make
Float Collar INSERT 5 1/2	1	H
Float Shoe		
Centralizers REG 5 1/2	12	A
Top Plug 5-W 5 1/2	1	
HEAD Q/L 5 1/2	1	L
Limit clamp	1	
Weld-A		C
Guide Shoe REG 5 1/2	1	
BTM PLUG		O

**Well Data**

Casing	New/Used	Weight	Size	Grade	From	To	Max. Allow
Liner		<b>15.5#</b>	<b>5 1/2</b>		<b>KB</b>	<b>5,686</b>	
Liner							
Tubing							
Drill Pipe							
Open Hole			<b>7 7/8</b>				
Perforations							Shots/Ft.
Perforations							
Perforations							

**Materials**

Mud Type	Density	Lb/Gal
Disp. Fluid		
Prop. Type	Size	Lb
Prop. Type	Size	Lb
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		
Other		

**Hours On Location**

Date	Hours	Date	Hours
<b>8/10</b>	<b>12.0</b>	<b>8/11</b>	<b>1.5</b>
<b>Total</b>	<b>12.0</b>	<b>Total</b>	<b>1.5</b>

**Description of Job**

**SEE JOB LOG**

**Hydraulic Horsepower**

Ordered	Avail.	Used
<b>Average Rates in BPM</b>		
Treating	Disp.	Overall
<b>Cement Left in Pipe</b>		
Feet <b>45</b>	Reason	<b>SHOE JOINT</b>

**Cement Data**

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
<b>1</b>	<b>50</b>	<b>50/50 POZ H</b>	<b>2% TOTAL GEL - 5# GILSONITE</b>	<b>16.34</b>	<b>2.76</b>	<b>11.00</b>
<b>2</b>	<b>150</b>	<b>PREMIUM H</b>	<b>10# CALSEAL - 6# GILSONITE - 10% SALT - 6/10# HALAD-322</b>	<b>6.13</b>	<b>1.48</b>	<b>16.00</b>
<b>3</b>	<b>25</b>	<b>50/50 POZ H</b>	<b>2% TOTAL GEL - 5# GILSONITE (TO PLUG RAT &amp; MOUSE HOLES)</b>	<b>16.34</b>	<b>2.76</b>	<b>11.00</b>
<b>4</b>						

**Summary**

Circulating Breakdown	Displacement	Preflush: BBI	<b>26.00</b>	Type: <b>KCL &amp; MUD FLUSH</b>
Lost Returns	MAXIMUM	Load & Bkdn: Gal - BBI		Pad:Bbl -Gal
Cmt Rtm#Bbl	Lost Returns-l	Excess /Return BBI		Calc.Disp Bbl
Average	Actual TOC	Calc. TOC:		<b>134.2</b>
Shut In: Instant	Frac. Gradient	Treatment: Gal - BBI		Actual Disp.
	5 Min.	Cement Slurry BBI	<b>71.0</b>	Disp:Bbl
	15 Min.	Total Volume BBI		

THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_  
 \_\_\_\_\_  
 SIGNATURE

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