

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

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KANSAS CORPORATION COMMISSION

JUL 09 2004

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

CONSERVATION DIVISION  
WICHITA, KS

**ORIGINAL**

Operator: License # 31933  
 Name: M E KLEIN & ASSOCIATES, INC.  
 Address: P.O. BOX 721436  
 City/State/Zip: NORMAN, OK 73070  
 Purchaser: WESTERN GAS RESOURCES, INC.  
 Operator Contact Person: MARK KLEIN  
 Phone: ( 405 ) 321-7171  
 Contractor: Name: DUKE DRILLING CO., INC.  
 License: 5929  
 Wellsite Geologist: TIM HELLMAN  
 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. \_\_\_\_\_  

<u>3-13-04</u>	<u>3-21-04</u>	<u>5/3/04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 077-21474-00-00  
 County: HARPER  
 CSZ, S2 - SW - Sec. 20 Twp. 33 S. R. 6  East  West  
330 feet from (S) / N (circle one) Line of Section  
1320 feet from E / (W) (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: CAROTHERS Well #: 1  
 Field Name: WILDCAT  
 Producing Formation: MISSISSIPPI CHERT  
 Elevation: Ground: 1330' Kelly Bushing: 1338'  
 Total Depth: 4615' Plug Back Total Depth: 4559'  
 Amount of Surface Pipe Set and Cemented at 309' 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.  
ALT I WITHM 11-27-06  
**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ 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.: \_\_\_\_\_

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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 82-112, 82-110, 82-106 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. **PLUG 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: Mark E Klein  
 Title: President Date: 7/7/04  
 Subscribed and sworn to before me this 7<sup>th</sup> day of July,  
2004.  
 Notary Public: Kimberly S. Klein  
 Date Commission Expires: 4-22-06

#02006987

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: M E KLEIN & ASSOCIATES, INC. Lease Name: CAROTHERS Well #: 1  
 Sec. 20 Twp. 33 S. R. 6  East  West County: HARPER

**INSTRUCTIONS:** Show important tops and base of formations penetrated by all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, when the 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.

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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 LOG  
 COMPENSATED DENSITY/NEUTRON LOG**

Log Formation (Top), Depth and Datum		Sample
Name	Top	Datum
HEEBNER	3230	-1887
IATAN	3610	-2267
KANSAS CITY	3850	-2507
STARK SHALE	3998	-2655
BKC	4090	-2747
FT SCOTT	4275	-2932
CHEROKEE SH	4284	-2941
MISSISSIPPI	4465	-3122

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"	28#	309'	60/40	200	2% CC 2% GEI
PRODUCTION	7 7/8"	4 1/2"	10.5#	4601'	CLASS A	125	10% SALT 10%

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ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type of Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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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
4	4467'-4477' (TUBING CONVEYED)	RECEIVED NO TREATMENT KANSAS CORPORATION COMMISSION	
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		CONSERVATION DIVISION WICHITA, KS	
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TUBING RECORD	Size	Set At	Packer At	Liner Run	
	2 3/8"	4467'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
6/25/04		<input checked="" 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
	0	2,150	0		

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

# ALLIED CEMENTING CO., INC. 14137

Federal Tax I.D.#

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

SERVICE POINT:  
*MEDICINE DOGE*

DATE <i>3-13-04</i>	SEC <i>20</i>	TWP <i>33s</i>	RANGE <i>06w</i>	CALLED OUT <i>6:15 PM</i>	ON LOCATION <i>4:30 PM</i>	JOB START <i>3:10 PM</i>	JOB FINISH <i>3:30 AM</i>
LEASE <i>WADSWORTH</i>		WELL # <i>1</i>	LOCATION <i>ANTHONY 2s, 14e, 2N</i>		COUNTY <i>HARPER</i>	STATE <i>KANSAS</i>	
OLD OR NEW (Circle one)			<i>2e, 4s</i>				

CONTRACTOR *DUKE #2*  
 TYPE OF JOB *SURFACE CEMENTING*  
 HOLE SIZE *12 1/4"* T.D. *309'*  
 CASING SIZE *3 1/2" x 2 1/4"* DEPTH *309'*  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES: MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. *20'*  
 PERFS.  
 DISPLACEMENT *18 1/2 BBL FRESH WATER*

OWNER *M.E. KLEIN + ASSO*  
 CEMENT AMOUNT ORDERED  
*200x 60:40:2 + 2% CC + 1% AC*

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**EQUIPMENT**  
 PUMP TRUCK CEMENTER *KEVIN BRUNDAST*  
 # *224* HELPER *JIM WEIGANDS*  
 BULK TRUCK DRIVER *JOSH MCDONWELL*  
 # *364*  
 BULK TRUCK DRIVER

COMMON A *120* @ *1.15*  
 POZMIX *80* @ *3.80*  
 GEL *5* @ *10.00*  
 CHLORIDE *4* @ *30.00*  
 AM. CHLORIDE *3* @ *31.50*  
 @  
 @  
 @  
 @  
 @  
 @  
 HANDLING @ *1.15*  
 MILEAGE *X 45* @ *1.04*

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TOTAL

**REMARKS:**

**SERVICE**

*RUN 8 1/2" CASING + BREAK CONC.  
 BE UP TO CEMENT PUMP  
 PUMP 3 BBL FRESH WATER  
 DISPLACE PUG TO 289' / 18 1/2 BBL  
 CEMENT DID CIRCULATE*

DEPTH OF JOB *309'*  
 PUMP TRUCK CHARGE *0.300* @ *520.00*  
 EXTRA FOOTAGE *9* @ *4.50*  
 MILEAGE *45* @ *3.50* @ *157.50*  
 PLUG *8 1/2" SURFACE* @ *45.00* @ *45.00*  
 @  
 @

TOTAL

CHARGE TO: *M.E. KLEIN + ASSOC.*  
 STREET  
 CITY STATE ZIP

**FLOAT EQUIPMENT**

RECEIVED  
 KANSAS CORPORATION COMMISSION @  
 JUL 09 2004 @  
 CONSERVATION DIVISION @  
 WICHITA, KS @  
 TOTAL

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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  
 DISCOUNT IF PAID IN 30 DAYS

SIGNATURE

*Doug Vanover*  
 PRINTED NAME

# ALLIED CEMENTING CO., INC. 15117

Federal Tax I.D.

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

SERVICE POINT

*Medicine Lodge*

DATE <u>3-21-04</u>	SEC <u>20</u>	TWP <u>33S</u>	RANGE <u>6W</u>	CALLED OUT <u>6:00 P.M.</u>	ON LOCATION <u>8:30 A.M.</u>	JOB START <u>1:00 P.M.</u>	JOB FINISH <u>1:40 P.M.</u>
LEASE <u>Landlord</u>		WELL # <u>*1</u>	LOCATION <u>Anthony 2S 1 1/2 E</u>	COUNTY <u>Harper</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)			<u>2 N 1/2 E Minto</u>				

CONTRACTOR DUKOTZ  
 TYPE OF JOB long string  
 HOLE SIZE 7 7/8" T.D. 4615  
 CASING SIZE 4 1/2" DEPTH 4615  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2" DEPTH 4615  
 TOOL DEPTH  
 PRES. MAX 600 PSI MINIMUM 100 PSI  
 MEAS. LINE SHOE JOINT 42.12  
 CEMENT LEFT IN CSG. 1.12 12 FT  
 PERFS.  
 DISPLACEMENT Kel Water 2 3/4 BBLs

OWNER M.E. Klein & Associates

CEMENT  
 AMOUNT ORDERED 1255x AT 10% BIP  
10% salt 5" Kel seal 1.5% FF/60  
255x 60.40 4 500gal mud skn  
8gal skp

COMMON @  
 POZMIX @  
 GEL @  
 CHLORIDE @

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EQUIPMENT  
 PUMP TRUCK CEMENTER David W.  
 # 302 HELPER Dwayne W.  
 BULK TRUCK  
 # 364 DRIVER Larry G.  
 BULK TRUCK  
 # DRIVER

HANDLING @  
 MILEAGE @  
 CONSERVATION DIVISION  
 WICHITA, KS

REMARKS:

Pipe on bottom break etc  
Dumped 2 Bbls Mud Clean Plug  
Kel Mouse w/ 255x Pump 1255x  
AB% salt 10% salt 5" Kel seal 1.5% FF  
100 shut down wash pump  
1.05 Displace w/ Kel water  
slow rate bump plug float down  
wash up rig down

DEPTH OF JOB 4615  
 PUMP TRUCK CHARGE @  
 EXTRA FOOTAGE @  
 MILEAGE @  
 PLUG RUBBER @

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CHARGE TO: M.E. Klein & Associates  
 STREET  
 CITY STATE ZIP

FLOAT EQUIPMENT  
4 1/2"  
1 Guide Shoe @  
1 AFD float collar @  
5 Centralizers @  
 @  
 @

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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  
 DISCOUNT IF PAID IN 30 DAYS

SIGNATURE John J. Armbruster

John J. Armbruster  
 PRINTED NAME