

Notice: Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL PLUGGING RECORD  
K.A.R. 82-3-117

KANSAS CORPORATION COMMISSION

MAR 06 2009

RECEIVED

Form CP-4  
December 2003  
Type or Print on this Form  
Form must be Signed  
blanks must be Filled

Lease Operator: Buffalo Resources, LLC

Address: 301 Commerce Street, Suite 1380, Fort Worth, TX 76102

Phone: (817) 870-2707 Operator License #: 34225

Type of Well: D & A Docket #: \_\_\_\_\_  
(Oil, Gas D&A, SWD, ENHR, Water Supply Well, Cathodic, Other) (If SWD or ENHR)

The plugging proposal was approved on: 02-27-09 (Date)

by: Richard Williams (KCC District Agent's Name)

Is ACO-1 filed?  Yes  No If not, is well log attached?  Yes  No

Producing Formation(s): List All (If needed attach another sheet)

\_\_\_\_\_ Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_  
\_\_\_\_\_ Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_  
\_\_\_\_\_ Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_

API Number: 15 - 163-23798-00-00

Lease Name: Graham

Well Number: 1-12

Spot Location (QQQQ): \_\_\_\_\_ - SW - NE - NW  
1230 Feet from  North /  South Section Line

1450 Feet from  East /  West Section Line

Sec. 12 Twp. 9 S. R. 16  East  West

County: Rooks

Date Well Completed: D & A

Plugging Commenced: 03-02-09

Plugging Completed: 03-02-09

Show depth and thickness of all water, oil and gas formations.

Oil, Gas or Water Records		Casing Record (Surface Conductor & Production)				
Formation	Content	From	To	Size	Put In	Pulled Out
*see attached drilling report		0'	266.26'	8 5/8" new 23#	254.26'	0'

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Plug well with 245 sacks of 60/40 Poz, 4% gel, 1/4# floeal per sack.

1st plug @ 3663' with 25 sacks. 2nd plug @ 1330' with 25 sacks. 3rd plug @ 850' with 100 sacks.

4th plug @ 316' with 40 sacks. 5th plug @ 40' with 10 sacks to surface. Plug mouse hole with 15 sacks. Plug rat hole with 30 sacks.

Job complete @ 1:15 a.m. on 03-02-09 by Allied Cementing (tk #34962A)

Name of Plugging Contractor: Southwind Drilling, Inc. License #: 33350

Address: PO Box 276, Ellinwood, KS 67526

Name of Party Responsible for Plugging Fees: Buffalo Resources, LLC

State of Kansas County, Barton, ss.

Todd E. Morgenstern, VP/OP of Southwind Drilling, INC. (Employee of Operator) or (Operator) on above-described well, being first duly

sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained, and the log of the above-described well is as filed, and the same are true and correct, so help me God.



(Signature) Todd E. Morgenstern

(Address) PO Box 276, Ellinwood, KS 67526

SUBSCRIBED and SWORN TO before me this 5 day of March, 20 09

Renee Kasselmann My Commission Expires: 7-15-09  
Notary Public

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

*Handwritten initials/signature*

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SOUTHWIND DRILLING, INC.  
PLUGGING ORDERS AND REPORTSLease: Graham #1-12

Plugging received from KCC representative:

Name: Rich Williams Date 2-27-09 Time 10:30 AM1<sup>st</sup> plug @ 3663 ft. 25 sx. Stands: 58½2nd plug @ 1330 ft. 25 sx. Stands: 21½3rd plug @ 850 ft. 100 sx. Stands: 13½4th plug @ 316 ft. 40 sx. Stands: 55th plug @ 40 ft. 10 sx. Stands: \_\_\_\_\_Mousehole 15 sx.Rahole 30 sx.Total Cement used: 245 sx.Type of cement 60/40 P02 4% Gal ¼" Flo Seal Per SackPlug down @ 1:15 AM 3-02-09

Call KCC When Completed:

Name: Bruce Basye Date 3-02-09 Time 11:00 AM

# CEMENTING LOG

STAGE NO  
MAR 06 2009

**RECEIVED**



Date 3-2-09 District 4 Ticket No. 34962A  
Company Buffalo Resources Rig South Wind  
Lease Graham Well No. 1-12  
County Rooks State KS  
Location Natoma KS Rd 657 North Field Laton  
to Rd 190 2 1/2 West South into

CEMENT DATA:  
Spacer Type: \_\_\_\_\_  
Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

CASING DATA: PTA  Squeeze   
Surface  Intermediate  Production  Liner   
Size \_\_\_\_\_ Type \_\_\_\_\_ Weight \_\_\_\_\_ Collar \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type 60-40 4% Gel 1/4" Fl  
Excess \_\_\_\_\_  
Amt. 245 Sks Yield 1.39 ft<sup>3</sup>/sk Density 13.9 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
Excess \_\_\_\_\_  
Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

WATER: Lead 6.7 gals/sk Tail \_\_\_\_\_ gals/sk Total 39.08 Bbls.

Pump Trucks Used 409-Travis  
Bulk Equip 410-Neale

Drill Pipe: Size 4 1/2 XN Weight 16.60 Collars \_\_\_\_\_  
Open Hole: Size 7 7/8 T.D. 3719 ft. P.B. to \_\_\_\_\_ ft.

Float Equip: Manufacturer \_\_\_\_\_  
Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_

**CAPACITY FACTORS:**

Casing: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.5993  
Drill Pipe: Bbls/Lin. ft. .01422 Lin. ft./Bbl. 70.32  
Annulus: Bbls/Lin. ft. .0406 Lin. ft./Bbl. 24.6474  
Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
Centralizers: Quantity \_\_\_\_\_ Plugs Top Dry Hole Btm. \_\_\_\_\_

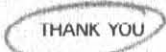
Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Stage Collars \_\_\_\_\_  
Special Equip \_\_\_\_\_  
Diap. Fluid Type Fresh H2O Amt. 20 Bbls. Weight 8.33 PPG  
Mud Type Drill mud 50 bbl Weight 9.2 PPG

COMPANY REPRESENTATIVE Frank Rome

CEMENTER John Roberts

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
			6.18	6.18	4.5	1st @ 3663' 25 sk Cement w/ 3.98 bbl H2O Mud Pump Displace w/ 50 bbl Drill Mud
			12.36	6.18	4.5	2nd @ 1330' 25 sk Cement w/ 3.98 bbl H2O Displace w/ 12 bbl H2O
			24.36	12		
			49.11	24.75	4.5	3rd @ 850' 100 sk Cement w/ 15.95 bbl H2O Displace w/ 6 bbl H2O
			55.11	6		
			65.01	9.90	4.5	4th @ 316' 40 sk Cement w/ 6.38 bbl H2O Displace w/ 2 bbl H2O
			67.01	2		
			69.48	2.47	3	5th @ 40' 10 sk Cement w/ 1.59 bbl H2O
			76.9	7.42	3	Rathole 30 sk Cement w/ 4.79 bbl H2O
			80.61	3.71	3	Mousehole 15 sk Cement w/ 2.39 bbl H2O
1:15am						



# ALLIED CEMENTING CO., LLC. 34962A

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

SERVICE POINT:  
Russell KS

DATE <u>3-2-09</u>	SEC. <u>12</u>	TWP. <u>9</u>	RANGE <u>16</u>	CALLED OUT	ON LOCATION	JOB START <u>12:15am</u>	JOB FINISH <u>1:15am</u>
LEASE <u>Graham</u>	WELL# <u>1-12</u>		LOCATION <u>Natoma KS 657 Rd North to Rd</u>			COUNTY <u>Rooks</u>	STATE <u>KS</u>
<input checked="" type="radio"/> OLD OR NEW (Circle one)			<u>190 2 1/2 West South into.</u>				

CONTRACTOR South Wind  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 7 7/8 T.D. 3719  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 XH DEPTH 3663  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 245 60/40 4 1/2 Gel 1/4 #Flt

**EQUIPMENT**

PUMP TRUCK CEMENTER John Roberts  
 # 409 HELPER Travis  
 BULK TRUCK \_\_\_\_\_  
 # 410 DRIVER Neale  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

**REMARKS:**

25sk @ 3663'  
25sk @ 1330'  
100sk @ 850'  
40sk @ 316'  
10sk @ 40'  
30sk Rathole  
15sk Mouse hole

**SERVICE**

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

CHARGE TO: Buffalo Resources  
 STREET 301 Commerce St. Ste. 1380  
 CITY Ft Worth STATE TX ZIP 76102

**PLUG & FLOAT EQUIPMENT**

Dry Hole Plug @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME Frank Rome  
 SIGNATURE Frank Rome

KANSAS CORPORATION COMMISSION  
**MAR 06 2009**  
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## SOUTHWIND DRILLING, INC.

## RIG #1

PO Box 276, Ellinwood, KS 67526  
Office Phone 620-564-3800, Fax 620-564-3845

## DRILLING REPORT

Graham #1-12

Location: 1230' FNL & 1450' FWL  
API#: 15-163-23798-00-00

Section 12-9S-16W  
Rooks County, Kansas

OWNER: : Buffalo Resources, LLC  
CONTRACTOR: Southwind Drilling, Inc. Rig #1

COMMENCED: 02-23-09  
COMPLETED: 03-02-09

TOTAL DEPTH: Driller: 3719'  
Logger: 3713'

Ground Elevation: 2067'  
KB Elevation: 2077'

LOG:

0'	-	268'	Sandy Soil
268'	-	700'	Clay
700'	-	950'	Clay/Redbed
950'	-	1313'	Redbed/Shale
1313'	-	1349'	Anhydrite
1349'	-	2265'	Shale
2265'	-	3719'	Lime/Shale
		3719'	RTD

CASING RECORDSSurface casing – 8 5/8"

Ran 6 joints of 23# new 8 5/8" surface casing. Tally @ 254.26'. Set @ 266.26. Cement with 150 sacks of common, 3% calcium chloride, 2% gel. Cement did circulate. Plug down @ 11:00 p.m. on 02-23-09 by Allied (tk#0374477).

Production casing – 5 1/2"

None – plugged the well

DEVIATION SURVEYS

1/2 degree (s)	@ 268'
3/4 degree (s)	@ 3719'

MORNING DRILLING REPORT			Email to: AJ Jacques, Wray Valentine, Kirk Rundle, Dan & Matthew			
Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Roger Martin 316-250-6970		WELL NAME		Graham #1-12
Rig #1 Phone Numbers				LOCATION		1230' FNL & 1450' FWL Sec. 12-9S-16W Rooks County, KS
620-794-2075		Rig Cellular (Dog house)		Buffalo Resources, LLC		301 Commerce, Suite 1380
620-794-2078		Geologist Trailer Cellular		Fort Worth, TX 76102		620-277-2062
620-566-7324		Tool Pusher Cellular		Frank Rome	ELEVATION	G.L. 2067'    K.B. 2077'    API# 15-163-23798-00-00

**Driving Directions:** From Natoma: 1 mile East on Hwy. 18, 5 miles North on CR-657, 2 miles West on W210 Dr., 1 mile West on V Road, 2 miles North on 30 Road, South East into.

Day 1                      Date 02-23-09                      Monday                      Survey @ 268' = 1/2 degree

Moved Rig #1 on location

Spud @ 6:00 p.m.

Ran 2.75 hours drilling (.50 drill rat hole, 2.25 drill 12 1/4"). Down 21.25 hours (10.50 move/rig up, .50 connection, .25 circulate, .25 survey, .25 trip, 1.50 run casing/cement, 8.00 wait on cement)

Mud properties: wt. 9.6, vis. 40

Daily Mud Cost = \$0.00. Mud Cost to Date = \$0.00

Wt. on bit: 15,000, 120 RPM, 400# pump pressure

12 1/4" bit #1 (in @ 0' out @ 268') = 2.25 hrs. - 268'

1" fuel = 39.60 gals.

Fuel usage: 39.60 gals (38" used 1") start @ 39"

Ran 6 joints of 23# new 8 5/8" surface casing. Tally @ 254.26'. Set @ 266.26. Cement with 150 sacks of common, 3% calcium chloride, 2% gel. Cement did circulate. Plug down @ 11:00 p.m. on 02-23-09 by Allied (tk#0374477).

KANSAS CORPORATION COMMISSION

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Day 2                      Date 02-24-09                      Tuesday                      Anhydrite (1313' - 1349')

7:00 am - Drilling plug @ 268'

Ran 19.25 hours drilling. Down 4.75 hours (.25 drill plug, .50 rig check, 3.25 connection, .75 jet)

Mud properties: fresh water

Daily Mud Cost = \$694.75. Mud Cost to Date = \$694.75

Wt. on bit: 25,000, 80 RPM, 850# pump pressure

12 1/4" bit #1 (in @ 0' out @ 268') = 2.25 hrs. - 268'

7 7/8" bit #1 (in @ 268') = 19.25 hrs. - 1712'

Fuel usage: 435.60 gals (62" used 11") 38" + 35" delivered = 73"

Day 3                      Date 02-25-09                      Wednesday

7:00 am - Drilling @ 1980'

Ran 20.25 hours drilling. Down 3.75 hours (.75 rig check, .50 rig repair, 1.25 connection, 1.25 displace @ 2550')

Mud properties: wt. 8.9, vis. 55

Daily Mud Cost = \$4,245.00. Mud Cost to Date = \$4,939.75

Wt. on bit: 34,000, 80 RPM, 800# pump pressure

12 1/4" bit #1 (in @ 0' out @ 268') = 2.25 hrs. - 268'

7 7/8" bit #1 (in @ 268') = 39.50 hrs. - 2522'

Fuel usage: 435.60 gals (51" used 11")

<b>MORNING DRILLING REPORT</b>			Email to: AJ Jacques, Wray Valentine, Dan & Matthew		
Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Roger Martin 316-250-6970	WELL NAME	Graham #1-12	
Rig #1 Phone Numbers			LOCATION	1230' FNL & 1450' FWL Sec. 12-9S-16W Rooks County, KS	
620-794-2075		Rig Cellular (Dog house)		Buffalo Resources, LLC 301 Commerce, Suite 1380 Fort Worth, TX 76102 620-277-2062	
620-794-2078		Geologist Trailer Cellular		ELEVATION	
620-566-7324		Tool Pusher Cellular	Frank Rome	G.L. 2067'	K.B. 2077'
				API# 15-163-23798-00-00	

**Driving Directions:** From Natoma: 1 mile East on Hwy. 18, 5 miles North on CR-657, 2 miles West on W210 Dr., 1 mile West on V Road, 2 miles North on 30 Road, South East into.

Day 4 Date 02-26-09 Thursday

7:00 am – Drilling @ 2790'  
 Ran 20.00 hours drilling. Down 4.00 hours (.75 rig check, 1.25 connection, .50 rig repair, 1.50 CFS @ 3332')  
 Mud properties: wt. 9.2, vis. 58, water loss 7.6  
 Daily Mud Cost = \$1,780.25. Mud Cost to Date = \$6,720.00  
 Wt. on bit: 34,000, 80 RPM, 850# pump pressure  
 12 1/4" bit #1 (in @ 0' out @ 268') = 2.25 hrs. - 268'  
 7 7/8" bit #1 (in @ 268') = 59.50 hrs. - 3072'

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Fuel usage: 475.20 gals (39" used 12")

Day 5 Date 02-27-09 Friday Survey @ 3355' = 3/4 degree  
Pipe strap = 1.18 long to the board

DST #1 (3191' – 3355')  
LKC formation  
Recovered 160' slightly oil cut mud

7:00 am – Drilling @ 3340'  
 Ran 9.50 hours drilling. Down 14.50 hours (.25 rig check, .25 connection, 1.25 CFS @ 3355', 7.75 trip, 1.75 CTCH, .25 survey, 3.00 DST #1)  
 Mud properties: wt. 9.2, vis. 60, water loss 7.6  
 Daily Mud Cost = \$0.00. Mud Cost to Date = \$6,720.00  
 Wt. on bit: 34,000, 80 RPM, 850# pump pressure  
 12 1/4" bit #1 (in @ 0' out @ 268') = 2.25 hrs. - 268'  
 7 7/8" bit #1 (in @ 268') = 69.00 hrs. - 3247'

Fuel usage: 396.00 gals (47" used 10") 39" + 18" delivered = 57"

Day 6 Date 02-28-09 Saturday DST #2 (3355' – 3515')  
LKC formation  
Recovered 125' mud

7:00 am – CFS @ 3515'  
 Ran 9.25 hours drilling. Down 14.75 hours (7.50 trip, 1.50 CTCH, 3.25 DST #2, .50 connection, .25 rig check, 1.25 CFS @ 3515', .50 CFS @ 3687')  
 Mud properties: wt. 9.3, vis. 58, water loss 8.0  
 Daily Mud Cost = \$17.55. Mud Cost to Date = \$6,737.55  
 Wt. on bit: 34,000, 85 RPM, 850# pump pressure  
 12 1/4" bit #1 (in @ 0' out @ 268') = 2.25 hrs. - 268'  
 7 7/8" bit #1 (in @ 268') = 78.25 hrs. - 3419'

Fuel usage: 356.40 gals (38" used 9")

<b>MORNING DRILLING REPORT</b>			Email to: AJ Jacques, Wray Valentine, Dan & Matthew		
Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Roger Martin 316-250-6970	WELL NAME	Graham #1-12	
Rig #1 Phone Numbers			LOCATION	1230' FNL & 1450' FWL Sec. 12-9S-16W Rooks County, KS	
620-794-2075		Rig Cellular (Dog house)	Buffalo Resources, LLC 301 Commerce, Suite 1380 Fort Worth, TX 76102 620-277-2062		
620-794-2078		Geologist Trailer Cellular	ELEVATION		
620-566-7324		Tool Pusher Cellular	G.L. 2067'	K.B. 2077'	API# 15-163-23798-00-00
		Frank Rome			

**Driving Directions:** From Natoma: 1 mile East on Hwy. 18, 5 miles North on CR-657, 2 miles West on W210 Dr., 1 mile West on V Road, 2 miles North on 30 Road, South East into.

Day 7 Date 03-01-09 Sunday Survey @ 3719' = ¾ degree

**RTD = 3719'**

**LTD = 3713'**

7:00 am – CFS @ 3687'

Ran 1.25 hours drilling. Down 22.75 hours (.75 CFS @ 3687', 1.25 CFS @ 3695', 1.00 CTCH, .25 survey, 2.25 trip, 5.75 log, .75 nipple down, .75 wait on cementers, 3.25 lay down pipe, 1.00 plug, 5.75 tear down)

Mud properties: wt. 9.3, vis. 56, water loss 8.8

Daily Mud Cost = \$807.30. Total Mud Cost = \$7,544.85

Wt. on bit: 34,000, 80 RPM, 850# pump pressure

12 ¼" bit #1 (in @ 0' out @ 268') = 2.25 hrs. - 268'

7 7/8" bit #1 (in @ 268' out @ 3719') = 79.50 hrs. - 3451'

Fuel usage: 237.60 gals (32" used 6")

Plug well with 245 sacks of 60/40 Poz, 4% gel, ¼# floseal per sack.

1<sup>st</sup> plug @ 3663' with 25 sacks. 2<sup>nd</sup> plug @ 1330' with 25 sacks. 3<sup>rd</sup> plug @ 850' with 100 sacks.

4<sup>th</sup> plug @ 316' with 40 sacks. 5<sup>th</sup> plug @ 40' with 10 sacks to surface. Plug rat hole with 30 sacks.

Plug mouse hole with 15 sacks.

Job complete @ 1:15 a.m. on 03-02-09 by Allied (tk #34962A)

KANSAS STATE GEOLOGICAL SURVEY

MAR 10 2009

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