

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

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

Lease Operator: Mai Oil Operations, Inc.  
Address: PO Box 33, Russell, KS 67665  
Phone: (785) 483-2169 Operator License #: 5259  
Type of Well: Oil D & A Docket #: \_\_\_\_\_  
(Oil, Gas D&A, SWD, ENHR, Water Supply Well, Cathodic, Other) (If SWD or ENHR)  
The plugging proposal was approved on: 01-23-07 (Date)  
by: Marvin Mills (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 - 009-25008-00-00  
Lease Name: Hoffman  
Well Number: 1  
Spot Location (QQQQ): C - SE - NW - NW  
1030 Feet from  North /  South Section Line  
850 Feet from  East /  West Section Line  
Sec. 19 Twp. 16 S. R. 11  East  West  
County: Barton  
Date Well Completed: D & A  
Plugging Commenced: 01-25-07  
Plugging Completed: 01-25-07

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'	397'	8 5/8" 20#	387.97'	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 155 sacks of 60/40 Poz, 6% gel, 1/4# floesal per sack.  
1st plug @ 3324' with 25 sacks. 2nd plug @ 740' with 25 sacks. 3rd plug @ 430' with 80 sacks.  
4th plug @ 40' with 10 sacks to surface. Plug rat hole with 15 sacks.  
Job complete @ 5:30 am on 01-25-07 by Allied Cementing (tk # 33142).

Name of Plugging Contractor: Southwind Drilling, Inc. License #: 33350  
Address: PO Box 276, Ellinwood, KS 67526

Name of Party Responsible for Plugging Fees: Mai Oil Operations, Inc.  
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 26 day of January, 20 07  
Renee Kasselmann My Commission Expires: 7-15-09  
Notary Public

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202  
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SOUTHWIND DRILLING, INC.  
PLUGGING ORDERS AND REPORTS

Lease: HOFFMAN #1

Plugging received from KCC representative:

Name: MARVIN MILLS Date 1-23-07 Time 8:15 AM

1<sup>st</sup> plug @ 3324 ft. 25 sx. Stands: 54 1/2

2nd plug @ 740 ft. 25 sx. Stands: 12

3rd plug @ 430 ft. 80 sx. Stands: 7

4th plug @ 40 ft. 10 sx. Stands: 1/2  
w/wood plug

5th plug @ \_\_\_\_\_ ft. \_\_\_\_\_ sx. Stands: \_\_\_\_\_

Mousehole \_\_\_\_\_ sx.

Rahole 15 sx.

Total Cement used: 155 sx.

Type of cement 60/40 Poz, 6% Gel, 1/4 # Floseal Pet SK.

Plug down @ 5:30 A.M 1-25-07 BY Allied TK.# 33142

Call KCC When Completed:

Name: DAVID WANN Date 1-25-07 Time 2:30 P.M

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# SOUTHWIND DRILLING, INC.

## RIG #3

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

### DRILLING REPORT

Hoffman #1

Location: 1030' FNL & 850' FWL  
API#: 15-009-25008-00-00

Section 19-16S-11W  
Barton County, Kansas

OWNER: \_\_\_\_\_: Mai Oil Operations, Inc.  
CONTRACTOR: Southwind Drilling, Inc. Rig #3

COMMENCED: 01-16-07  
COMPLETED: 01-25-07

TOTAL DEPTH: Driller: 3410'  
Logger: NA

Ground Elevation: 1880'  
KB Elevation: 1888'

### LOG :

0' - 400' Sand/Lime  
400' - 660' Redbed  
660' - 3410' Shale/Lime  
3410' RTD

### CASING RECORDS

#### Surface casing – 8 5/8"

Ran 10 joints of 20# new 8 5/8" surface casing. Tally @ 387.97'. Set @ 397'. Cement with 225 sacks of common, 2% gel, 3% calcium chloride. Cement did circulate. Plug down @ 11:15 am on 01-17-07 by Allied Cementing (tk #33494).

#### Production casing – 5 1/2"

None – plugged the well

### DEVIATION SURVEYS

3/4 degree (s) @ 400'  
1/2 degree (s) @ 3245'  
3/4 degree (s) @ 3410'

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MORNING DRILLING REPORT				Fax to: Mai Oil & Allen Bangert			
Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Kitt Noah 316-841-9510		Email to: Kitt Noah		WELL NAME	
Rig #3 Phone Numbers				LOCATION		Hoffman #1	
620-566-7104	Rig Cellular (Dog house)			1030' FNL & 850' FWL Sec. 19-16S-11W Barton Co., KS			
620-566-7108	Geologist Trailer Cellular			Mai Oil Operations, Inc. 4514 Cole Ave, Ste. 740, LB 30 Dallas, TX 75205 214-219-8883			
620-794-2076	Tool Pusher Cellular		Darryl Krier	ELEVATION	G.L. 1880'	K.B. 1888'	API# 15-009-25008-00-00

**Driving Directions:** From Beaver: 4 miles East, ¼ mile North, East into.

Day 1 Date 01-16-07 Tuesday

Moved Rig #3 on location

Spud @ 10:00 pm

Ran 10.50 hours drilling (2.75 drill rat hole, 7.75 drill 12 ¼"). Down 13.50 (12.25 move/rig up, 1.25 connection)

Mud properties: spud mud

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

Wt. on bit: 15,000, 120 RPM, 500# pump pressure

12 ¼" bit #1 (in @ 0') = 7.75 hrs. - 300'

1" fuel = 39.00 gals.

Fuel usage: 390.00 gals. (28"used 10") Start @ 38"

Day 2 Date 01-17-07 Wednesday Survey @ 400' = ¼ degree

7:00 am – Drilling @ 300'

Ran 9.75 hours drilling (1.00 drill 12 ¼", 8.75 drill 7 7/8"). Down 14.25 hours (.25 circulate, .50 trip, .25 survey, 1.75 run casing/cement, 8.00 wait on cement, .50 drill plug, 2.00 connection, .75 jet, .25 rig check)

Mud properties: freshwater

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

Wt. on bit: 20,000, 80 RPM, 400# pump pressure

12 ¼" bit #1 (in @ 0' out @ 400') = 8.75 hrs. - 400'

7 7/8" bit #1 (in @ 400') = 8.75 hrs. - 646'

Fuel usage: 273.00 gals. (21"used 7")

Ran 10 joints of 20# new 8 5/8" surface casing. Tally @ 387.97'. Set @ 397'. Cement with 225 sacks of common, 2% gel, 3% calcium chloride. Cement did circulate. Plug down @ 11:15 am on 01-17-07 by Allied Cementing (tk #33494).

Day 3 Date 01-18-07 Thursday

7:00 am – Drilling @ 1046'

Ran 15.75 hours drilling. Down 8.25 hours (.75 rig check, 4.50 rig repair, 2.00 connection, 1.00 jet)

Mud properties: freshwater

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

Wt. on bit: 30,000, 80 RPM, 600# pump pressure

12 ¼" bit #1 (in @ 0' out @ 400') = 8.75 hrs. - 400'

7 7/8" bit #1 (in @ 400') = 24.50 hrs. - 1550'

Fuel usage: 507.00 gals. (73"used 13") 21" + 65" delivered = 86"

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MORNING DRILLING REPORT				Fax to: Mai Oil & Allen Bangert			
Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Kitt Noah 316-841-9510		Email to: Kitt Noah		WELL NAME	
Rig #3 Phone Numbers				LOCATION		Hoffman #1	
620-566-7104	Rig Cellular (Dog house)			1030' FNL & 850' FWL Sec. 19-16S-11W Barton Co., KS			
620-566-7108	Geologist Trailer Cellular			Mai Oil Operations, Inc. 4514 Cole Ave, Ste. 740, LB 30 Dallas, TX 75205 214-219-8883			
620-794-2076	Tool Pusher Cellular		Darryl Krier	ELEVATION	G.L. 1880'	K.B. 1888'	API# 15-009-25008-00-00

**Driving Directions:** From Beaver: 4 miles East, ¼ mile North, East into.

Day 4 Date 01-19-07 Friday

7:00 am – Drilling @ 1950'  
 Ran 19.25 hours drilling. Down 4.75 hours (.75 rig check, 1.25 rig repair, 1.75 connection, 1.00 jet)  
 Mud properties: freshwater  
 Daily Mud Cost = \$0.00. Mud Cost to Date = \$0.00  
 Wt. on bit: 25,000, 80 RPM, 400# pump pressure  
 12 ¼" bit #1 (in @ 0' out @ 400') = 8.75 hrs. - 400'  
 7 7/8" bit #1 (in @ 400') = 43.75 hrs. - 2110'

Fuel usage: 390.00 gals. (63"used 10")

Day 5 Date 01-20-07 Saturday

7:00 am – Drilling @ 2540'  
 Ran 15.00 hours drilling. Down 9.00 hours (.75 rig check, 6.00 rig repair, 1.25 connection, 1.00 displace @ 2562')  
 Mud properties: wt. 8.7, vis. 48, water loss 8.8  
 Daily Mud Cost = \$4,405.30. Mud Cost to Date = \$4,405.30  
 Wt. on bit: 30,000, 80 RPM, 600# pump pressure  
 12 ¼" bit #1 (in @ 0' out @ 400') = 8.75 hrs. - 400'  
 7 7/8" bit #1 (in @ 400') = 58.75 hrs. - 2578'

Fuel usage: 429.00 gals. (52"used 11")

Day 6 Date 01-21-07 Sunday Survey @ 3245' = ½ degree  
Pipe strap = 2.67 long to the board

7:00 am – Drilling @ 2978'  
 Ran 13.00 hours drilling. Down 11.00 hours (1.25 CFS @ 3090', 1.00 CFS @ 3130', 1.25 CFS @ 3146', 1.25 CFS @ 3245', 1.00 CTCH, .50 rig check, 2.00 rig repair, 1.75 trip, .25 survey, .75 connection)  
 Mud properties: wt. 8.8, vis. 45, water loss 10.9  
 Daily Mud Cost = \$494.40. Mud Cost to Date = \$4,899.70  
 Wt. on bit: 30,000, 80 RPM, 650# pump pressure  
 12 ¼" bit #1 (in @ 0' out @ 400') = 8.75 hrs. - 400'  
 7 7/8" bit #1 (in @ 400') = 71.75 hrs. - 2845'

Fuel usage: 468.00 gals. (40"used 12")

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Southwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Kitt Noah 316-841-9510	
Rig #3 Phone Numbers		Fax to: Mai Oil & Allen Bangert Email to: Kitt Noah	
620-566-7104	Rig Cellular (Dog house)	WELL NAME	Hoffman #1
620-566-7108	Geologist Trailer Cellular	LOCATION	1030' FNL & 850' FWL Sec. 19-16S-11W Barton Co., KS
620-794-2076	Tool Pusher Cellular	Mai Oil Operations, Inc. 4514 Cole Ave, Ste. 740, LB 30 Dallas, TX 75205 214-219-8883	
		ELEVATION	G.L. 1880'    K.B. 1888'    API# 15-009-25008-00-00
Darryl Krier			

**Driving Directions:** From Beaver: 4 miles East, ¼ mile North, East into.

Day	7	Date	01-22-07	Monday	<b>DST #1 (3174'-3245')</b>
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**LKC "H" - "J" formation**  
**Recovered 400' gas in pipe and**  
**30' slightly oily gassy cut mud**

7:00 am - Tripping out with bit for DST #1 @ 3245'  
 Ran 4.75 hours drilling. Down 19.25 hours (1.00 CFS @ 3306', 1.25 CFS @ 3310', 1.50 CFS @ 3317', 1.00 CTCH, .25 rig check, 10.75 trip, 3.00 DST #1, .50 rig repair)  
 Mud properties: wt. 9.3, vis. 48, water loss 8.0  
 Daily Mud Cost = \$766.75. Mud Cost to Date = \$5,666.45  
 Wt. on bit: 30,000, 80 RPM, 800# pump pressure  
 12 ¼" bit #1 (in @ 0' out @ 400') = 8.75 hrs. - 400'  
 7 7/8" bit #1 (in @ 400') = 76.50 hrs. - 2917'

Fuel usage: 312.00 gals. (32"used 8")

Day	8	Date	01-23-07	Tuesday	<b>DST #2 (3297'-3317')</b>
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**Conglomerate formation**  
**Recovered 20' oil cut mud**

**DST #3 (3317'-3344')**  
**Arbuckle formation**  
**Recovered 60' gas in pipe and**  
**45' gassy oil cut mud**

7:00 am - Tripping in with DST #2 @ 3317'  
 Ran 1.25 hours drilling. Down 22.75 hours (1.00 CTCH, 1.25 CFS @ 3320', 1.25 CFS @ 3330', 1.50 CFS @ 3344', 11.00 trip, 3.25 DST #2, 3.00 DST #3, .50 wait on orders)  
 Mud properties: wt. 9.4, vis. 46, water loss 8.8  
 Daily Mud Cost = \$288.75. Mud Cost to Date = \$5,955.20  
 Wt. on bit: 30,000, 80 RPM, 800# pump pressure  
 12 ¼" bit #1 (in @ 0' out @ 400') = 8.75 hrs. - 400'  
 7 7/8" bit #1 (in @ 400') = 77.75 hrs. - 2944'

Fuel usage: 312.00 gals. (24"used 8")

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Rig #3 Phone Numbers		Fax to: Mai Oil & Allen Bangert Email to: Kitt Noah	
620-566-7104	Rig Cellular (Dog house)	WELL NAME	Hoffman #1
620-566-7108	Geologist Trailer Cellular	LOCATION	1030' FNL & 850' FWL Sec. 19-16S-11W Barton Co., KS
620-794-2076	Tool Pusher Cellular	Mai Oil Operations, Inc. 4514 Cole Ave, Ste. 740, LB 30 Dallas, TX 75205 214-219-8883	
		ELEVATION	G.L. 1880'    K.B. 1888'    API# 15-009-25008-00-00
Darryl Krier			

**Driving Directions:** From Beaver: 4 miles East, ¼ mile North, East into.

Day 9      Date 01-24-07      Wednesday      Survey @ 3410' = ¾ degree

**RTD = 3410'**  
**LTD = NA**

7:00 am – Tripping in with bit after DST #3 @ 3344'  
 Ran 2.75 hours drilling. Down 21.25 hours (1.00 CTCH, 1.25 CFS @ 3353', 1.00 CFS @ 3363', 1.00 CFS @ 3410', 3.50 trip, .75 rig repair, .25 survey, 4.00 log, 5.50 lay down drill pipe/plug, 1.50 nipple down, .50 jet, 1.00 tear down)  
 Mud properties: wt. 9.2, vis. 48, water loss 8.8  
 Daily Mud Cost = \$0.00. **Total Mud Cost = \$5,955.20**  
 Wt. on bit: 30,000, 80 RPM, 800# pump pressure  
**12 ¼" bit #1 (in @ 0' out @ 400') = 8.75 hrs. - 400'**  
**7 7/8" bit #1 (in @ 400' out @ 3410') = 80.50 hrs. - 3010'**

Fuel usage: 273.00 gals. (17"used 7")

Plug well with 155 sacks of 60/40 Poz, 6% gel, ¼# floseal per sack.  
 1<sup>st</sup> plug @ 3324' with 25 sacks. 2<sup>nd</sup> plug @ 740' with 25 sacks. 3<sup>rd</sup> plug @ 430' with 80 sacks.  
 4<sup>th</sup> plug @ 40' with 10 sacks. Plug rat hole with 15 sacks. Job complete @ 5:30 am on 01-25-07 by Allied Cementing (tk #3142).

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# ALLIED CEMENTING CO., INC.

33142

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

SERVICE POINT:

Russell  
1-25-07

DATE <u>1-24-07</u>	SEC. <u>19</u>	TWP. <u>16</u>	RANGE <u>11</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>HEFFMAN</u>	WELL # <u>1</u>	LOCATION <u>Beaver 4E 34N</u>			COUNTY <u>CHARTON</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR SOUTH WIND # 3

TYPE OF JOB ROTARY Plug 3 1/2

HOLE SIZE 7 7/8 T.D. 3310

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE X-H 4 1/2 DEPTH 3324

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 155 SK @ 60/40 6 3/8 Gal  
1/4 # F10-Seal  
Per SK

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Glenn

# 398 HELPER GARY

BULK TRUCK

# 410 DRIVER Brian

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

25 SK @ 3324

25 SK @ 740

80 SK @ 430

10 SK @ 40 + plug

15 SK @ RATHOLE

THANK'S

CHARGE TO: MAI OIL OPERATIONS

STREET \_\_\_\_\_

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

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.

SIGNATURE Jay Krier

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

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TOTAL \_\_\_\_\_

**KCC WICHITA**

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

Jay Krier  
PRINTED NAME