

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: D & A Docket #: \_\_\_\_\_  
*(Oil, Gas D&A, SWD, ENHR, Water Supply Well, Cathodic, Other) (If SWD or ENHR)*  
The plugging proposal was approved on: 09-15-08 (Date)  
by: Pat Staab (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 - 009-25259-00-00  
Lease Name: Bahr  
Well Number: 1A  
Spot Location (QQQQ): 110'N - 70'W - E/2-W/2 - SE  
1430 Feet from  North /  South Section Line  
1720 Feet from  East /  West Section Line  
Sec. 26 Twp. 18 S. R. 15  East  West  
County: Barton  
Date Well Completed: D & A  
Plugging Commenced: 09-17-08  
Plugging Completed: 09-17-08

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'	876'	8 5/8" used 25#	866.11'	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 160 sacks of 60/40 Poz, 4% gel, 1/4# floseal per sack.  
1st plug @ 880' with 40 sacks. 2nd plug @ 300' with 80 sacks. 3rd plug @ 40' with 10 sacks to surface.  
Plug rat hole with 30 sacks. No mouse hole. Job complete @ 3:15 p.m. on 09-17-08 by Allied Cementing (tk #32202)

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 18 day of September, 20 08  
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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WICHITA, KS

SOUTHWIND DRILLING, INC.  
PLUGGING ORDERS AND REPORTS

Lease: Baht #1-B

Plugging received from KCC representative:

Name: Patrick Staab Date 9-15-08 Time 4:00 P.M

1<sup>st</sup> plug @ 880 ft. 40 sx. Stands: 14

2nd plug @ 300 ft. 80 sx. Stands: 5

3rd plug @ 40 ft. 10 sx. Stands: 1

4th plug @ \_\_\_\_\_ ft. \_\_\_\_\_ sx. Stands: \_\_\_\_\_

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

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

Rahole 30 sx.

Total Cement used: 160 sx.

Type of cement 60/40 P02 4% Gel, 1/4" FloSeal

Plug down @ 3:15 P.M 9-17-08

Call KCC When Completed:

Name: Matvin Mills Date 9-17-08 Time 3:45

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# ALLIED CEMENTING CO., LLC. 32202

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

SERVICE POINT:

Russell

DATE <u>9-17-08</u>	SEC <u>26</u>	TWP. <u>18</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30 PM</u>	JOB FINISH <u>3:15 PM</u>
LEASE <u>BAHR</u>	WELL # <u>1-A</u>	LOCATION <u>OLMITZ 1 1/2 S 1/2 W</u>			COUNTY <u>BARTON</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>1 1/2 S. 1/2 E + S INTO</u>				

CONTRACTOR SOUTHWIND DRILLING RIG #3

TYPE OF JOB ROTARY Plug

HOLE SIZE 7 7/8 T.D. 3551

CASING SIZE 8 7/8 SURFACE DEPTH 876

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

DRILL PIPE 4 1/2 X-H DEPTH @ \_\_\_\_\_

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

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

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

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

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

DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 1100 SK 60/40 4% GEL  
1/4 # FD-SEAL PER SK

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

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

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

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

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

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

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

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

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

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

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

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

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

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

TOTAL \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER LEANN

# 398 HELPER ROBERT

BULK TRUCK DRIVER Neale

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

BULK TRUCK DRIVER \_\_\_\_\_

**REMARKS:**

40 SK @ 880  
80 SK @ 300  
10 SK @ 40  
30 SK @ Rathole

THANK'S

**SERVICE**

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

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

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

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

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

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

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

CHARGE TO: MAI Oil OPERATIONS INC.

STREET \_\_\_\_\_

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

TOTAL \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

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

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

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

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

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

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 Jay H. Hiett

SIGNATURE Jay Hiett

# SOUTHWIND DRILLING, INC.

## RIG #3

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

### DRILLING REPORT

Bahr #1A

Location: 1430' FSL & 1720' FEL  
API#: 15-009-25259-00-00

Section 26-18S-15W  
Barton County, Kansas

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

COMMENCED: 09-09-08  
COMPLETED: 09-17-08

TOTAL DEPTH: Driller: 3550'  
Logger: 3551'

Ground Elevation: 1906'  
KB Elevation: 1914'

### LOG :

0'	-	512'	Sand/Clay
512'	-	867'	Redbed/Shale
867'	-	897'	Anhydrite
897'	-	1145'	Redbed/Shale
1145'	-	1645'	Redbed
1645'	-	3550'	Lime/Shale
		3550'	RTD

### CASING RECORDS

#### Surface casing – 8 5/8"

Ran 23 joints of 25# used 8 5/8" surface casing. Tally @ 866.11'. Set @ 876'. Cement with 400 sacks of 60/40 Poz, 2% gel, 4% calcium chloride. Cement did circulate. Plug down @ 3:30 a.m. on 09-10-08 by Allied Cementing (tk #32187)

#### Production casing – 5 1/2"

None – plugged the well

### DEVIATION SURVEYS

1 3/4 degree (s) @ 876'  
1 1/2 degree (s) @ 3345'

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WICHITA, KS

MORNING DRILLING REPORT			Fax to: Allen Bangert & Mai Oil - Email to: Kitt Noah			
Southwind Drilling, Inc. PO Box 276 - 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Kitt Noah 316-841-9510		WELL NAME Bahr #1A		
				LOCATION 1430' FSL & 1720' FEL Sec. 26-18S-15W Barton County, KS		
Rig #3 Phone Numbers			Mai Oil Operations, Inc. 8411 Preston Road, Suite 800 Dallas, TX 75225 214-219-8883			
620-566-7104	Rig Cellular (Dog house)			ELEVATION		
620-566-7108	Geologist Trailer Cellular			G.L. 1906'	K.B. 1914'	
620-617-4477	Tool Pusher Cellular	Jay Krier		API# 15-009-25259-00-00		

**Driving Directions:** From Olmitz: 1 1/2 miles South on 90<sup>th</sup> Ave. to NW 90<sup>th</sup> Rd, 1 mile West to 100 Ave., 2 1/2 miles South on 100 Ave., East into.

Day 1 Date 09-09-08 Tuesday Survey @ 876' = 1 3/4 degree

Moved Rig #3 on location

Spud @ 10:30 a.m.

Ran 7.75 hours drilling (.50 drill rat hole, 7.25 drill 12 1/4"). Down 16.25 hours (3.00 rig up, 1.00 CTCH, 1.25 dummy trip, .75 trip, 2.50 connection, .25 survey, 4.00 run casing/cement, 3.50 wait on cement)

Mud properties: spud mud

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

Wt. on bit: 15,000, 120 RPM, 600# pump pressure

12 1/4" bit #1 (in @ 0' out @ 876') = 7.25 hrs. - 876'

1" fuel = 39.00 gals.

Fuel usage: 312.00 gals. (46" used 8") Start @ 54"

Ran 23 joints of 25# used 8 5/8" surface casing. Tally @ 866.11'. Set @ 876'. Cement with 400 sacks of 60/40 Poz, 2% gel, 4% calcium chloride. Cement did circulate. Plug down @ 3:30 a.m. on 09-10-08 by Allied Cementing (tk #32187)

Day 2 Date 09-10-08 Wednesday Anhydrite (867'-897')

7:00 am - Waiting on cement @ 876'

Ran 10.25 hours drilling. Down 13.75 hours (6.50 wait on cement, 4.25 drill plug/cement, 1.00 jet, 1.75 connection, .25 rig check)

Mud properties: spud mud

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

Wt. on bit: 25,000, 80 RPM, 700# pump pressure

12 1/4" bit #1 (in @ 0' out @ 876') = 7.25 hrs. - 876'

7 7/8" bit #1 (in @ 876') = 10.25 hrs. - 769'

Fuel usage: 351.00 gals. (75" used 9") 46" + 38" delivered = 84"

Day 3 Date 09-11-08 Thursday

7:00 am - Drilling @ 1645'

Ran 16.50 hours drilling. Down 7.50 hours (.50 rig check, 2.00 trip/hole in pipe @ 2146', 2.75 rig repair, .75 jet, 1.50 connection)

Mud properties: spud mud

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

Wt. on bit: 30,000, 80 RPM, 900# pump pressure

12 1/4" bit #1 (in @ 0' out @ 876') = 7.25 hrs. - 876'

7 7/8" bit #1 (in @ 876') = 26.75 hrs. - 1477'

Fuel usage: 429.00 gals. (64" used 11")

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MORNING DRILLING REPORT		Fax to: Allen Bangert & Mai Oil – Email to: Kitt Noah			
Southwind Drilling, Inc. PO Box 276 - 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Kitt Noah 316-841-9510		WELL NAME	Bahr #1A
				LOCATION	1430' FSL & 1720' FEL Sec. 26-18S-15W Barton County, KS
<b>Rig #3</b> Phone Numbers		Mai Oil Operations, Inc. 8411 Preston Road, Suite 800 Dallas, TX 75225 214-219-8883			
620-566-7104	Rig Cellular (Dog house)				
620-566-7108	Geologist Trailer Cellular				
620-617-4477	Tool Pusher Cellular	Jay Krier			
		ELEVATION	G.L. 1906'	K.B. 1914'	API# 15-009-25259-00-00

**Driving Directions:** From Olmitz: 1 ½ miles South on 90<sup>th</sup> Ave. to NW 90<sup>th</sup> Rd, 1 mile West to 100 Ave., 2 ½ miles South on 100 Ave., East into.

Day 4 Date 09-12-08 Friday

7:00 am – Drilling @ 2353'

Ran 19.25 hours drilling. Down 4.75 hours (.75 rig check, .50 rig repair, .50 jet, 1.00 connection, 2.00 displace @ 2757')

Mud properties: wt. 8.6, vis. 70

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

Wt. on bit: 30,000, 80 RPM, 900# pump pressure

12 ¼" bit #1 (in @ 0' out @ 876') = 7.25 hrs. - 876'  
7 7/8" bit #1 (in @ 876') = 46.00 hrs. - 2049'

Fuel usage: 468.00 gals. (52" used 12")

Day 5 Date 09-13-08 Saturday Pipe strap @ 3210' = 1.25 short to the board

DST #1 (3192' – 3210')

LKC "B" formation

Recovered 35' gassy mud

7:00 am – Drilling @ 2925'

Ran 11.75 hours drilling. Down 12.25 hours (.50 rig check, .25 rig repair, 1.00 CFS @ 3070', 1.00 CFS @ 3135', 1.25 CFS @ 3210', .25 connection, 1.00 CTCH, 5.00 trip, 2.00 DST #1)

Mud properties: wt. 8.6, vis. 63, water loss 7.6

Daily Mud Cost = \$7,833.95. Mud Cost to Date = \$7,833.95

Wt. on bit: 30,000, 80 RPM, 750# pump pressure

12 ¼" bit #1 (in @ 0' out @ 876') = 7.25 hrs. - 876'  
7 7/8" bit #1 (in @ 876') = 57.75 hrs. - 2334'

Fuel usage: 351.00 gals. (43" used 9")

Day 6 Date 09-14-08 -Sunday DST #2 (3323' – 3345')

LKC "H" formation

Recovered 1' mud

Survey @ 3345' = 1 ½ degree

7:00 am – On bottom with DST #1 @ 3210'

Ran 7.75 hours drilling. Down 16.25 hours (1.25 CFS @ 3266', 1.00 CFS @ 3345', .75 CFS @ 3380', 2.00 CTCH, 8.50 trip, .25 survey, .50 rig check, 1.00 DST #1, 1.00 DST #2)

Mud properties: wt. 9.2, vis. 55, water loss 8.0

Daily Mud Cost = \$515.40. Mud Cost to Date = \$8,349.35

Wt. on bit: 30,000, 80 RPM, 750# pump pressure

12 ¼" bit #1 (in @ 0' out @ 876') = 7.25 hrs. - 876'  
7 7/8" bit #1 (in @ 876') = 65.50 hrs. - 2504'

Fuel usage: 273.00 gals. (36" used 7")

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WICHITA, KS

<b>MORNING DRILLING REPORT</b>		Fax to: Allen Bangert & Mai Oil - Email to: Kitt Noah	
Southwind Drilling, Inc. PO Box 276 - 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Geologist: Kitt Noah 316-841-9510	
		WELL NAME	Bahr #1A
		LOCATION	1430' FSL & 1720' FEL Sec. 26-18S-15W Barton County, KS
<b>Rig #3</b> Phone Numbers		Mai Oil Operations, Inc. 8411 Preston Road, Suite 800 Dallas, TX 75225 214-219-8883	
620-566-7104	Rig Cellular (Dog house)		
620-566-7108	Geologist Trailer Cellular		
620-617-4477	Tool Pusher Cellular	Jay Krier	
		ELEVATION	G.L. 1906'    K.B. 1914'    API# 15-009-25259-00-00

**Driving Directions:** From Olmitz: 1 1/2 miles South on 90<sup>th</sup> Ave. to NW 90<sup>th</sup> Rd, 1 mile West to 100 Ave., 2 1/2 miles South on 100 Ave., East into.

Day	7	Date	09-15-08	Monday	<b>DST #3 (3340' - 3380')</b>
					<b>LKC "I" - "J" formation</b>
					<b>Recovered 5' mud</b>

**DST #4 (3455' - 3473')**  
**Reagan Sand formation**  
**Recovered 65' gas & 50' water cut mud**

7:00 am - CFS @ 3380'  
Ran 5.25 hours drilling. Down 18.75 hours (1.00 CTCH, .25 CFS @ 3380', 1.00 CFS @ 3458', 1.25 CFS @ 3473', 10.50 trip, .25 rig check, .50 rig repair, 1.00 DST #3, 3.00 DST #4)  
Mud properties: wt. 9.2, vis. 51, water loss 10.4  
Daily Mud Cost = \$96.75. Mud Cost to Date = \$8,446.10  
Wt. on bit: 30,000, 80 RPM, 800# pump pressure  
12 1/4" bit #1 (in @ 0' out @ 876') = 7.25 hrs. - 876'  
7 7/8" bit #1 (in @ 876') = 70.75 hrs. - 2597'  
Fuel usage: 234.00 gals. (30" used 6")

Day	8	Date	09-16-08	Tuesday	<b>DST #5 (3476' - 3500')</b>
					<b>Lower Reagan Sand formation</b>
					<b>Recovered 806' gas mud cut oily water</b>

**RTD = 3550'**  
**LTD = 3551'**

7:00 am - Tripping in with bit after DST #4 @ 3473'  
Ran 4.50 hours drilling. Down 19.50 hours (2.00 CTCH, 1.50 CFS @ 3500', 1.00 CFS @ 3510', 1.00 CFS @ 3520', 1.00 CFS @ 3550', 8.75 trip, 2.00 DST #5, .25 rig check, 2.00 log)  
Mud properties: wt. 8.8, vis. 74, water loss 10.8  
Daily Mud Cost = \$730.70. **Total Mud Cost = \$9,176.80**  
Wt. on bit: 30,000, 80 RPM, 800# pump pressure  
12 1/4" bit #1 (in @ 0' out @ 876') = 7.25 hrs. - 876'  
7 7/8" bit #1 (in @ 876' out @ 3550') = 75.25 hrs. - 2674'  
Fuel usage: 273.00 gals. (44" used 7") 30" + 21" delivered = 51"

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WICHITA, KS

Day	9	Date	09-17-08	Wednesday
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7:00 am - Logging @ 3550'  
Ran 0.00 hours drilling. Down 16.00 hours (2.25 log, 2.25 trip, .50 wait on loggers, .50 nipple down, 1.75 lay down pipe, 1.00 plug, 7.75 tear down)  
Fuel usage: 117.00 gals. (41" used 3")

Plug well with 160 sacks of 60/40 Poz, 4% gel, 1/4# floseal per sack.  
1<sup>st</sup> plug @ 880' with 40 sacks. 2<sup>nd</sup> plug @ 300' with 80 sacks. 3<sup>rd</sup> plug @ 40' with 10 sacks to surface.  
Plug rat hole with 30 sacks. No mouse hole. Job complete @ 3:15 p.m. on 09-17-08 by Allied Cementing (tk #32202)