

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: 12-21-06 (Date)  
by: Herb Deines (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 - 009-25007-00-00  
Lease Name: Popp  
Well Number: 2  
Spot Location (QQQQ): \_\_\_\_\_ - E/2 - NW - SE  
2020 Feet from ☐ North / ☒ South Section Line  
1800 Feet from ☒ East / ☐ West Section Line  
Sec. 4 Twp. 16 S. R. 14 ☐ East ☒ West  
County: Barton  
Date Well Completed: D & A  
Plugging Commenced: 12-22-06  
Plugging Completed: 12-22-06

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'	434'	8 5/8" new 23#	424.16'	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 125 sacks of 60/40 Poz, 6% gel, 1/4# floeal per sack.

1st plug @ 3375' with 25 sacks. 2nd plug @ 935' with 25 sacks. 3rd plug @ 500' with 50 sacks.

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

Job complete @ 2:45 am on 12-22-06 by Allied Cementing (tkr #33471)

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

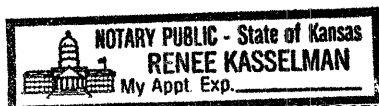
Address: PO Box 276, Ellinwood, KS 67526

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 December, 20 06

Renee Kasselmann  
Notary Public

My Commission Expires: 7-15-09

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

DEC 28 2006

CONSERVATION DIVISION  
WICHITA, KS

SOUTHWIND DRILLING, INC. PLUGGING ORDERS AND REPORTS

Lease: Popp #2

Plugging received from: Herb Deines Date: 12-22-06 Time: 9:45 A.m.

1<sup>st</sup> Plug @ 3375 FT. 25 SX Stands:           

2<sup>nd</sup> Plug @ 935 FT. 25 SX Stands:           

3<sup>rd</sup> Plug @ 500 FT. 50 SX Stands:           

4<sup>th</sup> Plug @ 40 FT. 10 SX Stands:           

5<sup>th</sup> Plug @            FT.            SX Stands:           

Mousehole none SX

Rathole 15 SX

Total Cement used: 125 SX

Type of cement: 60/40 6% Gel 1/4" cell Flake per SX

Plug down at 2:45 AM 12-22-06 by Allied Cement Inc.  
T. No.           

Call State When Completed:

Name Herb Deines Date: 12-22-06 Time: 11:30 AM

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WICHITA, KS

**SOUTHWIND DRILLING, INC.**  
**RIG #3**

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

**DRILLING REPORT**

**Popp #2**

Location: 2020' FSL & 1800' FEL  
API#: 15-009-25007-00-00

Section 4-16S-14W  
Barton County, Kansas

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

COMMENCED: 12-15-06  
COMPLETED: 12-22-06

TOTAL DEPTH: Driller: 3450'  
Logger: 3450'

Ground Elevation: 1913'  
KB Elevation: 1921'

LOG :

0'	-	910'	Redbed/Shales
910'	-	935'	Anhydrite
935'	-	1960'	Shales
1960'	-	3450'	Lime/Shale
		3450'	RTD

CASING RECORDS

Surface casing – 8 5/8"

Ran 10 joints of 23# new 8 5/8" surface casing. Tally @ 424.16'. Set @ 434'. Cement with 225 sacks of common, 2% gel, 3% calcium chloride. Cement did circulate. Plug down @ 2:45 am on 12-16-06 by Allied Cementing (tkr # 26085).

Production casing – 5 1/2"

None – plugged the well

**DEVIATION SURVEYS**

3/4 degree (s)	@	435'
1/2 degree (s)	@	3174'

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**CONSERVATION DIVISION**  
**WICHITA, KS**

<b>MORNING DRILLING REPORT</b>				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			
				WELL NAME		Popp #2	
				LOCATION		2020' FSL & 1800' FEL Sec. 4-16S-14W Barton Co., KS	
<b>Rig #3 Phone Numbers</b>				IN USE			
620-566-7104		Rig Cellular (Dog house)		Yes			
620-566-7108		Geologist Trailer Cellular		Yes			
620-566-7200		Tool Pusher Cellular		Yes		Jim Pfaff	
				Mai Oil Operations, Inc. 4514 Cole Ave, Ste. 740, LB 30 Dallas, TX 75205 214-219-8883			
ELEVATION		G.L. 1913'		K.B. 1921'		API# 15-009-25007-00-00	

**Driving Directions:** From Great Bend: North on Hwy 281 to Russell/Barton County line, 1 mile West, 5/8 mile South, West into. (Or from Stickney: 4 miles North, 1 mile West, 1/2 mile South).

Day	1	Date	12-15-06	Friday	Survey @ 435' = 3/4 degrees
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Moved Rig #3 on location

Spud @ 4:00 pm

Ran 7.00 hours drilling (2.50 drill rat hole, 4.50 drill 12 1/4"). Down 17.00 hours (6.50 move/rig up, 1.50 connection, 1.00 rig repair, .25 trip, .25 survey, 2.00 run casing/cement, .25 jet, 1.00 circulate, 4.25 wait on cement)

Mud properties: spud mud

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

Wt. on bit: 15,000, 130 RPM, 450# pump pressure

12 1/4" bit #1 (in @ 0' out @ 435') = 4.50 hrs. - 435'

1" fuel = 39.00 gals.

Fuel usage: 312.00 gals. (79"used 8") Start @ 29" + 58" delivered = 87"

Ran 10 joints of 23# new 8 5/8" surface casing. Tally @ 424.16'. Set @ 434'. Cement with 225 sacks of common, 2% gel, 3% calcium chloride. Cement did circulate. Plug down @ 2:45 am on 12-16-06 by Allied Cementing (tkr # 26085).

Day	2	Date	12-16-06	Saturday
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7:00 am - Waiting on cement @ 435'

Ran 12.75 hours drilling. Down 11.25 hours (.75 rig check, 2.75 rig repair, 3.75 wait on cement, .25 drill plug, 2.50 connection, 1.25 jet.)

Mud properties: spud mud

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

Wt. on bit: 25,000, 80 RPM, 650# pump pressure

12 1/4" bit #1 (in @ 0' out @ 435') = 4.50 hrs. - 435'

7 7/8" bit #1 (in @ 435') = 12.75 hrs. - 1203'

Fuel usage: 312.00 gals. (71"used 8")

Day	3	Date	12-17-06	Sunday
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7:00 am - Drilling @ 1638'

Ran 19.50 hours drilling. Down 4.50 hours (1.00 rig check, 2.00 connection, 1.00 jet, .50 rig repair)

Mud properties: wt. 9.9, vis. 27

Daily Mud Cost = \$270.75. Mud Cost to Date = \$270.75

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

12 1/4" bit #1 (in @ 0' out @ 435') = 4.50hrs. - 435'

7 7/8" bit #1 (in @ 435') = 32.25 hrs. - 1203'

Fuel usage: 468.00 gals. (59"used 12")

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WICHITA, KS

<b>MORNING DRILLING REPORT</b>				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		Popp #2		
			LOCATION		2020' FSL & 1800' FEL Sec. 4-16S-14W Barton Co., KS		
<b>Rig #3</b> Phone Numbers		IN USE	Mai Oil Operations, Inc. 4514 Cole Ave, Ste. 740, LB 30 Dallas, TX 75205 214-219-8883				
620-566-7104	Rig Cellular (Dog house)	Yes					
620-566-7108	Geologist Trailer Cellular	Yes					
620-566-7200	Tool Pusher Cellular	Yes	Jim Pfaff	ELEVATION			
				G.L. 1913'	K.B. 1921'	API# 15-009-25007-00-00	

**Driving Directions:** From Great Bend: North on Hwy 281 to Russell/Barton County line, 1 mile West, 5/8 mile South, West into. (Or from Stickney: 4 miles North, 1 mile West, 1/2 mile South).

Day	4	Date	12-18-06	Monday
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7:00 am – Drilling @ 2462'

Ran 18.50 hours drilling. Down 5.50 hours (1.00 rig check, 1.50 rig repair, 1.00 connection, 1.00 jet, 1.00 displace @ 2781')

Mud properties: wt. 8.7, vis. 51, water loss 7.2

Daily Mud Cost = \$3,283.57. Mud Cost to Date = \$3,554.32

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

12 1/4" bit #1 (in @ 0' out @ 435') = 4.50hrs. - 435'

7 7/8" bit #1 (in @ 435') = 50.75 hrs. - 2626'

Fuel usage: 468.00 gals. (47"used 12")

Day	5	Date	12-19-06	Tuesday	Survey @ 3174' = 1/2 degree
					<u>Pipe strap = .93 long to the board</u>
					<u>DST #1 (3137'-3174')</u>
					<u>LKC "B" – "C" formation</u>
					<u>Recovered 3' mud with oil scum</u>

7:00 am – Drilling @ 3061'

Ran 8.00 hours drilling. Down 16.00 hours (1.25 CFS @ 3085', 1.25 CFS @ 3174', 2.00 CTCH, 8.00 trip, .25 survey, .75 rig check, 1.75 DST #1, .50 connection, .25 jet)

Mud properties: wt. 8.9, vis. 54, water loss 7.2

Daily Mud Cost = \$979.93. Mud Cost to Date = \$4,534.25

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

12 1/4" bit #1 (in @ 0' out @ 435') = 4.50hrs. - 435'

7 7/8" bit #1 (in @ 435') = 58.75 hrs. - 2824'

Fuel usage: 468.00 gals. (35"used 12")

Day	6	Date	12-20-06	Wednesday	DST #2 (3348'-3391')
					<u>Arbuckle formation</u>
					<u>Recovered 10' oil cut mud</u>

7:00 am – Drilling @ 3259'

Ran 6.00 hours drilling. Down 18.00 hours (1.00 CFS @ 3300', .75 CFS @ 3325', 1.25 CFS @ 3391', 7.00 trip, 4.50 rig repair, 3.00 DST #2, .25 connection, .25 jet)

Mud properties: wt. 9.1, vis. 43, water loss 8.0

Daily Mud Cost = \$659.31. Mud Cost to Date = \$5,193.56

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

12 1/4" bit #1 (in @ 0' out @ 435') = 4.50hrs. - 435'

7 7/8" bit #1 (in @ 435') = 64.75 hrs. - 2956'

Fuel usage: 312.00 gals. (27"used 8")

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<b>MORNING DRILLING REPORT</b>				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		Popp #2
					LOCATION		2020' FSL & 1800' FEL Sec. 4-16S-14W Barton Co., KS
<b>Rig #3 Phone Numbers</b>			<b>IN USE</b>		Mai Oil Operations, Inc.		
620-566-7104	Rig Cellular (Dog house)	Yes	4514 Cole Ave, Ste. 740, LB 30				
620-566-7108	Geologist Trailer Cellular	Yes	Dallas, TX 75205				
620-566-7200	Tool Pusher Cellular	Yes	Jim Pfaff	214-219-8883			
				ELEVATION	G.L. 1913'	K.B. 1921'	API# 15-009-25007-00-00

**Driving Directions:** From Great Bend: North on Hwy 281 to Russell/Barton County line, 1 mile West, 5/8 mile South, West into. (Or from Stickney: 4 miles North, 1 mile West, 1/2 mile South).

Day	7	Date	12-21-06	Thursday
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**RTD = 3450'**

**LTD = 3450'**

7:00 am – Tripping in with bit @ 3391'

Ran 2.25 hours drilling. Down 21.75 hours (1.00 CFS @ 3450'. 1.00 CTCH, 3.00 trips, .75 rig repair, 3.50 log, 1.00 wait on cementers, 350 lay down pipe, 3.75 plug, 4.25 tear down)

Mud properties: wt. 9.3, vis. 53, water loss 7.6

Daily Mud Cost = \$837.57. **Total Mud Cost = \$6,031.13**

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

**12 1/4" bit #1 (in @ 0' out @ 435') = 4.50hrs. - 435'**

**7 7/8" bit #1 (in @ 435' out @ 3450') = 67.00 hrs. - 3015'**

Fuel usage: 234.00 gals. (21"used 6")

Plug well with 125 sacks of 60/40 Poz, 6% gel, 1/4# floseal per sack.

1<sup>st</sup> plug @ 3375' with 25 sacks. 2<sup>nd</sup> plug @ 935' with 25 sacks. 3<sup>rd</sup> plug @ 500' with 50 sacks.

4<sup>th</sup> plug @ 40' with 10 sacks. to surface. Plug rat hole with 15 sacks. Job complete @ 2:45 am on 12-22-06 by Allied Cementing (tkr # 33471)

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**DEC 28 2006**

CONSERVATION DIVISION  
WICHITA, KS

# ALLIED CEMENTING CO., INC. 33471

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

SERVICE POINT:

DATE 12-21-06	SEC. 4	TWP. 16	RANGE 14	CALLED OUT 8:00 AM	ON LOCATION 10:00 PM	JOB START 1:45 AM	JOB FINISH 2:45 AM
LEASE Popp	WELL # 2	LOCATION Russell S. To Co. Line				COUNTY BORTON	STATE KANSAS
OLD OR <u>NEW</u> (Circle one)			1W 348 1/2 W into				

CONTRACTOR Southwind Rig# 3	
TYPE OF JOB ROTARY AUG	
HOLE SIZE 7 7/8	T.D. 3450
CASING SIZE 8 7/8 SURFACE	DEPTH 434
TUBING SIZE	DEPTH
DRILL PIPE 4 1/2 X-H	DEPTH @ 3325
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

## EQUIPMENT

PUMP TRUCK	CEMENTER Gary
# 396	HELPER Gary
BULK TRUCK	
# 828	DRIVER BRIAN
BULK TRUCK	
#	DRIVER

## REMARKS:

25	SK @	3325
20	SK @	945
50	SK @	500
10	SK @	40
15	SK @	Rot hole

THANKS

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

*[Signature]*

OWNER

CEMENT
AMOUNT ORDERED 120 SK 69 62 SK
4 # FD-800
POL SK

COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC	@
	@
	@
	@
	@
	@
	@
	@
HANDLING	@
MILEAGE	

TOTAL

## SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
MANIFOLD	@
	@
	@

TOTAL

## PLUG & FLOAT EQUIPMENT

	@
	@
	@
	@
	@

TOTAL

TAX	
TOTAL CHARGE	
DISCOUNT	IF PAID IN 30 DAYS

PRINTED NAME