

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: 02-09-07 (Date)

by: Ed Schumacher (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 - 009-25019-00-00

Lease Name: Nancy

Well Number: 1

Spot Location (QQQQ): Approx. - C - SE - NE  
1890

550 Feet from ☒ North / ☐ South Section Line

550 Feet from ☒ East / ☐ West Section Line

Sec. 16 Twp. 16 S. R. 14 ☐ East ☒ West

County: Barton

Date Well Completed: D & A

Plugging Commenced: 02-10-07

Plugging Completed: 02-11-07

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		0'	425'	8 5/8" new 20#	414.85'	0'
report						

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# floseal per sack.

1st plug @ 3384' with 25 sacks. 2nd plug @ 930' with 25 sacks. 3rd plug @ 475' with 80 sacks.

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

Job complete @ 12:45 am on 02-11-07 by Allied Cementing (tk #33011)

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

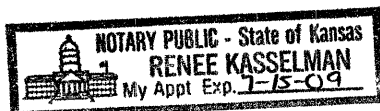
Address: PO Box 276, Ellinwood, KS 67526

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 19 day of February, 20 07

Renee Kasselmann  
Notary Public

My Commission Expires: 7-15-09

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

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WICHITA, KS

PCT

**SOUTHWIND DRILLING, INC.  
PLUGGING ORDERS AND REPORTS**

Lease: NANCY #1

Plugging received from KCC representative:

Name: ED Schmachtet Date 2-9-07 Time 10:30 A:M

1<sup>st</sup> plug @ 3384 ft. 25 sx. Stands: 55 1/2

2nd plug @ 930 ft. 25 sx. Stands: 15

3rd plug @ 475 ft. 80 sx. Stands: 8

4th plug @ 40 ft. 10 sx. Stands: 1

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

Mousehole \_\_\_\_\_ 0 sx.

Rahole \_\_\_\_\_ 15 sx.

Total Cement used: \_\_\_\_\_ 155 sx.

Type of cement 60/40 P02, 60/6 Gel, 1/4" Flo Seal Pet SK.

Plug down @ 12:45 A:M 2-11-07 TK# 33011

Call KCC When Completed:

Name: PAT STAAH Date 2-12-07 Time 9:30 A:M

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# ALLIED CEMENTING CO., INC.

33011

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

SERVICE POINT:

Russell

DATE <u>2-10-07</u>	SEC. <u>16</u>	TWP. <u>16</u>	RANGE <u>14</u>	CALLED OUT	ON LOCATION <u>8:30pm</u>	JOB START <u>12:00pm</u>	JOB FINISH <u>12:45pm</u>
LEASE <u>MANCK</u>	WELL # <u>1</u>	LOCATION <u>S Russell Co. 281 Co. 140 25</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>OLD</u>			1 1/2 1/4" T&D				

CONTRACTOR Southwest Drilling

TYPE OF JOB Dry Hole Plug

HOLE SIZE \_\_\_\_\_ TD. 3460'

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

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

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

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

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

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

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

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

DISPLACEMENT \_\_\_\_\_

## EQUIPMENT

PUMP TRUCK CEMENTER Craig

# 409 HELPER Adrian

BULK TRUCK

# 410 DRIVER Bob

BULK TRUCK

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

## REMARKS:

1" 255 @ 338.4

2" 255 @ 930'

3" 80 @ 425

4" 100 @ 40'

Plug 135'

Thanks!

CHARGE TO: Ma Oil

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 Wilson

## OWNER

## CEMENT

AMOUNT ORDERED 155 60/100 600 14" Flt.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

TOTAL \_\_\_\_\_

## SERVICE

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

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

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

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

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

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

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

TOTAL \_\_\_\_\_

## PLUG & FLOAT EQUIPMENT

1 80/100 2 1/4" Aug \_\_\_\_\_

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

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

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

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

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

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

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

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

PRINTED NAME \_\_\_\_\_

# SOUTHWIND DRILLING, INC.

## RIG #3

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

### DRILLING REPORT

Nancy #1

Location: 1890' FNL & 550' FEL  
API#: 15-009-25019-00-00

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

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

COMMENCED: 02-03-07  
COMPLETED: 02-11-07

TOTAL DEPTH: Driller: 3460'  
Logger: 3461'

Ground Elevation: 1929'  
KB Elevation: 1937'

### LOG :

0'	-	400'	Clay/Shale
400'	-	916'	Redbed/Shale
916'	-	944'	Anhydrite
944'	-	3460'	Shale/Lime
		3460'	RTD

### CASING RECORDS

#### Surface casing - 8 5/8"

Ran 10 joints of 20# new 8 5/8" surface casing. Tally @ 414.85'. Set @ 425'. Cement with 225 sacks of common, 2% gel, 3% calcium chloride. Cement did circulate. Plug down @ 2:45 am on 02-04-07 by Allied (tk # 33028).

#### Production casing - 5 1/2"

None - plugged the well

### DEVIATION SURVEYS

1/4 degree (s)	@	425'
1/2 degree (s)	@	3200'

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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			
				WELL NAME		Nancy #1	
				LOCATION		1890' FNL & 550' FEL Sec. 16-16S-14W Barton County, KS	
Rig #3 Phone Numbers				Mai Oil Operations, Inc. 4514 Cole Ave, Ste. 740, LB 30 Dallas, TX 75205 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. 1929'		K.B. 1937'		API# 15-009-25019-00-00	

**Driving Directions:** From Great Bend: North on Hwy 281 to Barton/Russell County line: 2 miles South, 1 mile West, ½ mile South West into.

Day	1	Date	02-03-07	Saturday	Survey @ 425' = ¼ degree
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Moved Rig #3 on location

Spud @ 5:15 pm

Ran 6.00 hours drilling (1.50 drill rat hole, 4.50 drill 12 ¼"). Down 18.00 hours (8.50 move/rig up, .25 rig repair, 1.75 connection, .25 jet 25 CTCH, .50 trip, .25 survey, 2.00 run casing/cement, 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, 120 RPM, 400# pump pressure

12 ¼" bit #1 (in @ 0' out @ 425') = 4.50 hrs. - 425'

1" fuel = 39.00 gals.

Fuel usage: 195.00 gals. (78"used 5") start @ 22" + 61" delivered = 83"

Ran 10 joints of 20# new 8 5/8" surface casing. Tally @ 414.85'. Set @ 425'. Cement with 225 sacks of common, 2% gel, 3% calcium chloride. Cement did circulate. Plug down @ 2:45 am on 02-04-07 by Allied (tkt # 33028).

Day	2	Date	02-04-07	Sunday
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7:00 am -Waiting on cement @ 425'

Ran 14.25 hours drilling. Down 9.75 hours (3.75 wait on cement, 2.75 connection, 1.00 jet, 1.50 drill plug, .50 rig check, .25 rig repair)

Mud properties: spud mud

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

Wt. on bit: 25,000, 100 RPM, 600# pump pressure

12 ¼" bit #1 (in @ 0' out @ 425') = 4.50 hrs. - 425'

7 7/8" bit #1 (in @ 425') = 14.25 hrs. - 1365'

Fuel usage: 390.00 gals. (68"used 10")

Day	3	Date	02-05-07	Monday
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7:00 am -Drilling @ 1790'

Ran 19.75 hours drilling. Down 4.25 hours (.75 rig check, 2.50 connection, 1.00 jet)

Mud properties: spud mud

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

Wt. on bit: 30,000, 80 RPM, 800# pump pressure

12 ¼" bit #1 (in @ 0' out @ 425') = 4.50 hrs. - 425'

7 7/8" bit #1 (in @ 425') = 34.00 hrs. - 2164'

Fuel usage: 546.00 gals. (54"used 14")

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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			
				WELL NAME		Nancy #1	
				LOCATION		1890' FNL & 550' FEL Sec. 16-16S-14W Barton County, KS	
Rig #3 Phone Numbers				Mai Oil Operations, Inc.			
620-566-7104		Rig Cellular (Dog house)		4514 Cole Ave, Ste. 740, LB 30			
620-566-7108		Geologist Trailer Cellular		Dallas, TX 75205			
620-617-4477		Tool Pusher Cellular		214-219-8883			
		Jay Krier		ELEVATION	G.L. 1929'	K.B. 1937'	API# 15-009-25019-00-00

**Driving Directions:** From Great Bend: North on Hwy 281 to Barton/Russell County line: 2 miles South, 1 mile West, ½ mile South West into.

Day 4 Date 02-06-07 Tuesday

7:00 am –Drilling @ 2589'

Ran 17.75 hours drilling. Down 6.25 hours (.75 rig check, 1.75 rig repair, 1.25 CFS @ 3115', 1.50 connection, 1.00 displace @ 2690')

Mud properties: wt. 8.7, vis. 73, water loss 8.8

Daily Mud Cost = \$4,770.00. Mud Cost to Date = \$4,770.00

Wt. on bit: 30,000, 80 RPM, 700# pump pressure

12 ¼" bit #1 (in @ 0' out @ 425') = 4.50 hrs. - 425'

7 7/8" bit #1 (in @ 425') = 51.75 hrs. - 2724'

Fuel usage: 507.00 gals. (41"used 13")

Day 5 Date 02-07-07 Wednesday Survey @ 3200' = ½ degree  
Pipe strap = 4.55 long to the board

DST #1 (3160'-3200')

LKC "B" – "C" formation

Recovered 50' gas in pipe and

10' oil cut mud

7:00 am –Drilling @ 3149'

Ran 5.25 hours drilling. Down 18.75 hours (.50 rig check, 1.50 rig repair, 1.00 CFS @ 3180', 1.00 CFS @ 3200', .75 CFS @ 3243', 2.00 CTCH, .25 connection, 9.00 trip, 2.50 DST #1, .25 survey)

Mud properties: wt. 9.1, vis. 54, water loss 9.1

Daily Mud Cost = \$0.00. Mud Cost to Date = \$4,770.00

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

12 ¼" bit #1 (in @ 0' out @ 425') = 4.50 hrs. - 425'

7 7/8" bit #1 (in @ 425') = 57.00 hrs. - 2818'

Fuel usage: 351.00 gals. (32"used 9")

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				WELL NAME		Nancy #1	
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Rig #3 Phone Numbers				Mai Oil Operations, Inc. 4514 Cole Ave, Ste. 740, LB 30 Dallas, TX 75205 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. 1929'		K.B. 1937'		API# 15-009-25019-00-00	

**Driving Directions:** From Great Bend: North on Hwy 281 to Barton/Russell County line: 2 miles South, 1 mile West, ½ mile South West into.

Day	6	Date	02-08-07	Thursday	<b>DST #2 (3291'-3375')</b>
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**LKC "D" – "H" formation**  
**Recovered 210' gas in pipe,**  
**50' oil cut mud and 165' slightly**  
**oil cut muddy water**

7:00 am –CFS @ 3243'  
Ran 8.25 hours drilling. Down 15.75 hours (.25 CFS @ 3243', 1.25 CFS @ 3320', 1.00 CFS @ 3350', 1.00 CFS @ 3375, 1.00 CTCH, .50 rig check, 7.25 trip, 3.00 DST #2, .25 connection, .25 jet)  
Mud properties: wt. 9.2, vis. 47, water loss 9.4  
Daily Mud Cost = \$485.40. Mud Cost to Date = \$5,255.40  
Wt. on bit: 30,000, 80 RPM, 700# pump pressure  
12 ¼" bit #1 (in @ 0' out @ 425') = 4.50 hrs. - 425'  
7 7/8" bit #1 (in @ 425') = 65.25 hrs. - 2977'

Fuel usage: 429.00 gals. (34"used 11" 32" + 13" delivered = 45"

Day	7	Date	02-09-07	Friday	<b>DST #3 (3367'-3413')</b>
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**Arbuckle formation**  
**Recovered 7' slightly oil cut mud**

**DST #4 (3366'-3420')**  
**Arbuckle formation**  
**Recovered 85' slightly oil cut muddy**  
**water**

7:00 am –CFS @ 3402'  
Ran 1.00 hour drilling. Down 23.00 hours (1.25 CFS @ 3402', 1.25 CFS @ 3410', 1.00 CFS @ 3413', 1.25 CFS @ 3420', 1.00 CTCH, 10.50 trip, 3.00 DST #3, 3.25 DST #4, .50 wait on tester)  
Mud properties: wt. 9.1, vis. 60, water loss 9.8  
Daily Mud Cost = \$0.00. Mud Cost to Date = \$5,255.40  
Wt. on bit: 30,000, 80 RPM, 750# pump pressure  
12 ¼" bit #1 (in @ 0' out @ 425') = 4.50 hrs. - 425'  
7 7/8" bit #1 (in @ 425') = 66.25 hrs. - 2995'

Fuel usage: 546.00 gals. (20"used 14"

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		Jay Krier		ELEVATION	G.L. 1929'	K.B. 1937'	API# 15-009-25019-00-00

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Day 8 Date 02-10-07 Saturday

**RTD = 3460'**  
**LTD = 3461'**

7:00 am – Tripping out with DST #4 @ 3420'

Ran 1.75 hours drilling. Down 22.25 hours (1.00 CFS @ 3420', 1.00 CTCH, 6.25 trip, .25 rig check, 2.75 log, 2.75 lay down pipe, 1.00 plug, 1.00 nipple down, 6.25 tear down)

Mud properties: wt. 9.3, vis. 43, water loss 10.8

Daily Mud Cost = \$492.95. **Total Mud Cost = \$5,748.35**

Wt. on bit: 30,000, 80 RPM, 700# pump pressure

**12 ¼" bit #1 (in @ 0' out @ 425') = 4.50 hrs. - 425'**

**7 7/8" bit #1 (in @ 425' out @ 3460') = 68.00 hrs. - 3035'**

Fuel usage: 117.00 gals. (30"used 3") 20" + 13" = 33"

Plug well with 155 sacks of 60/40 Poz, 6% gel, ¼# floseal per sack.

1<sup>st</sup> plug @ 3384' with 25 sacks. 2<sup>nd</sup> plug @ 930' with 25 sacks. 3<sup>rd</sup> plug @ 475' with 80 sacks.

4<sup>th</sup> plug @ 40' with 10 sacks to surface. Plug rat hole with 15 sacks. Job complete @ 12:45 am on 02-11-07 by Allied Cementing (tkr #33011).

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