

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
March 2009
Type or Print on this Form
Form must be Signed
All blanks must be Filled

OPERATOR: License #: 5259
Name: Mai Oil Operations, Inc.
Address 1: PO Box 33
Address 2: _____
City: Russell State: KS Zip: 67665 + _____
Contact Person: Allen Bangert
Phone: (785) 483-2169
Type of Well: (Check one) ☐ Oil Well ☐ Gas Well ☐ OG ☒ D&A ☐ Cathodic
☐ Water Supply Well ☐ Other: _____ ☐ SWD Permit #: _____
☐ ENHR Permit #: _____ ☐ Gas Storage Permit #: _____
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 No. 15 - 009-25343-00-00
Spot Description: 90' South & 40' East

SW NW SW Sec. 28 Twp. 17 S. R. 15 ☐ East ☒ West
1,560 Feet from ☐ North / ☒ South Line of Section
370 Feet from ☐ East / ☒ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☒ SW
County: Barton
Lease Name: Stoss-Neeland Unit Well #: 1
Date Well Completed: D & A
The plugging proposal was approved on: 09-25-09 (Date)
by: Richard Williams (KCC District Agent's Name)
Plugging Commenced: 09-27-09
Plugging Completed: 09-27-09

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

Oil, Gas or Water Records		Casing Record (Surface, Conductor & Production)			
Formation	Content	Casing	Size	Setting Depth	Pulled Out
*see attached drilling report		Surface	8 5/8" new 23#	1031'	0'

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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 170 sacks of 60/40 Poz, 4% gel, 1/4# floseal per sack.
1st plug @ 3538' with 25 sacks. 2nd plug @ 1060' with 25 sacks. 3rd plug @ 555' with 80 sacks.
4th plug @ 40' with 10 sacks to surface. Plug rat hole with 30 sacks.
Job complete @ 12:30 a.m. on 09-27-09 by Allied Cement (tk #37642).

Plugging Contractor License #: 33350 Name: Southwind Drilling, Inc.
Address 1: PO Box 276 Address 2: 8 North Main
City: Ellinwood State: KS Zip: 67526 + _____
Phone: (620) 564-3800
Name of Party Responsible for Plugging Fees: Mai Oil Operations, Inc.
State of Kansas County, Barton, ss.
Renee Kasselmann, Office Manager for Southwind Drilling, Inc. ☐ Employee of Operator or ☐ Operator on above-described well,
(Print Name)

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: Renee Kasselmann 10-01-09

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

Lease: STOSS- Neeland

Plugging received from KCC representative:

Name: Richard Williams Date 9-25-09 Time 11:00

1st plug @ 3538 ft. 25 sx. Stands: 57

2nd plug @ 1060 ft. 25 sx. Stands: 17

3rd plug @ 555 ft. 80 sx. Stands: 9

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

5th plug @ _____ ft. _____ sx. Stands: _____

Mousehole _____ sx.

Rahole 30 sx.

Total Cement used: 170 sx.

Type of cement 60/90 P.C. 4% Gel 1/4" flosec. 1

Plug down @ 12:30 A.M. 9-27-09

Call KCC When Completed:

Name: Bruce Basye Date 9-29-09 Time 9:00

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ALLIED CEMENTING CO., LLC. 037642

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

SERVICE POINT:
Grant Bend

DATE <u>5/25/09</u>	SEC <u>28</u>	TWP <u>17</u>	RANGE <u>13</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00 P.m</u>	JOB FINISH <u>12:30 a.m.</u>
LEASE <u>Neeland</u>	WELL # <u>1</u>	LOCATION <u>01m + 2 3w 1/4 N E into</u>			COUNTY <u>Barton</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Southwind #3
TYPE OF JOB Rotary Plug
HOLE SIZE 778 T.D.
CASING SIZE DEPTH
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

EQUIPMENT

PUMP TRUCK CEMENTER Craig
181 HELPER Galen
BULK TRUCK
344 DRIVER Alvin
BULK TRUCK
DRIVER

REMARKS:

1st Plug 3538 25SK
2nd 1060 25SK
3rd 595 80SK
4th 40' 10SK with Plug
Rathole 30SK
THANKS!

CHARGE TO: Ma. Oil
STREET
CITY STATE ZIP

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.

PRINTED NAME Jay Hrick
SIGNATURE Jay Hrick

OWNER
CEMENT
AMOUNT ORDERED 170 6046 4 1/2 60 L
14 #10
COMMON @
POZMIX @
GEL @
CHLORIDE @
ASC @
HANDLING @
MILEAGE @
TOTAL

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SERVICE

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

PLUG & FLOAT EQUIPMENT

1 8 5/8 Wooden Plug
@
@
@
@
@
TOTAL

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

SOUTHWIND DRILLING, INC.

RIG #3

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

DRILLING REPORT

Stoss-Neeland Unit #1

Location: 1560' FSL & 370' FWL
API#: 15-009-25343-00-00

Section 28-17S-15W
Barton County, Kansas

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

COMMENCED: 09-19-09
COMPLETED: 09-27-09

TOTAL DEPTH: Driller: 3582'
Logger: None

Ground Elevation: 2005'
KB Elevation: 2013'

LOG :

0'	-	720'	Clay/Postrock/Shale
720'	-	1039'	Shale
1039'	-	3582'	Lime/Shale
		3582'	RTD

CASING RECORDS

Surface casing – 8 5/8"

Ran 24 joints of 23# new 8 5/8" surface casing. Tally @ 1021.07'. Set @ 1031'. Cement with 350 sacks of 60/40 Poz, 3% calcium chloride, 2% gel. Cement did circulate. Plug down @ 11:30 a.m. on 09-20-09 by Quality (tkr #3387)

Production casing – 5 1/2"

None – plugged the well

DEVIATION SURVEYS

1/4 degree (s)	@	1031'
1 degree (s)	@	3403'

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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		Stoss-Neeland Unit #1		
				LOCATION		1560' FSL & 370' FWL Sec. 28-17S-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)							
620-566-7108	Geologist Trailer Cellular							
620-617-4477	Tool Pusher Cellular		Jay Krier	ELEVATION		G.L. 2005'	K.B. 2013'	API# 15-009-25343-00-00

Driving Directions: From Olmitz (NW 90th Ave. & NW 100 Rd.): North East into.

Day	1	Date	09-19-09	Saturday
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Moved Rig #3 on location

Spud @ 3:00 p.m.

Ran 13.25 hours drilling (1.50 drill rat hole, 11.75 drill 12 1/4"). Down 10.75 hours (6.50 move/rig up, .25 CTCH, 3.50 connection, .50 jet)

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 1/4" bit #1 (in @ 0' out @ 1031') = 11.75 hrs. - 1031'

1" fuel = 39.00 gals.

Fuel usage: 234.00 gals. (30" used 6") Start @ 36"

Day	2	Date	09-20-09	Sunday	Survey @ 1031' = 1/4 degree
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7:00 am – CTCH @ 1031'

Ran 6.00 hours drilling. Down 18.00 hours (.75 trip, .25 survey, 3.50 run casing/cement, 10.00 wait on cement, 1.25 drill plug, .25 rig check, .25 rig repair, .50 jet, 1.25 connection)

Mud properties: spud mud

Daily Mud Cost = \$492.45. Mud Cost to Date = \$492.45

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

12 1/4" bit #1 (in @ 0' out @ 1031') = 11.75 hrs. - 1031'

7 7/8" bit #1 (in @ 1031') = 6.00 hrs. - 568'

Fuel usage: 195.00 gals. (77" used 5") 30" + 52" delivered = 82"

Ran 24 joints of 23# new 8 5/8" surface casing. Tally @ 1021.07'. Set @ 1031'. Cement with 350 sacks of 60/40 Poz, 3% calcium chloride, 2% gel. Cement did circulate. Plug down @ 11:30 a.m. on 09-20-09 by Quality (tkr #3387)

Day	3	Date	09-21-09	Monday
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7:00 am – Drilling @ 1599'

Ran 20.25 hours drilling. Down 3.75 hours (.75 rig check, .25 rig repair, .75 jet, 2.00 connection)

Mud properties: spud mud

Daily Mud Cost = \$0.00. Mud Cost to Date = \$492.45

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

12 1/4" bit #1 (in @ 0' out @ 1031') = 11.75 hrs. - 1031'

7 7/8" bit #1 (in @ 1031') = 26.25 hrs. - 1424'

Fuel usage: 429.00 gals. (66" used 11")

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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		WELL NAME		Stoss-Neeland Unit #1
					LOCATION		1560' FSL & 370' FWL Sec. 28-17S-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)						
620-566-7108	Geologist Trailer Cellular						
620-617-4477	Tool Pusher Cellular		Jay Krier				
ELEVATION		G.L. 2005'		K.B. 2013'		API# 15-009-25343-00-00	

Driving Directions: From Olmitz (NW 90th Ave. & NW 100 Rd.): North East into.

Day	4	Date	09-22-09	Tuesday
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7:00 am – Drilling @ 2455'

Ran 18.50 hours drilling. Down 5.50 hours (1.00 rig check, 1.75 rig repair/hole in pipe @ 2478', 1.25 displace @ 2781', 1.50 connection)

Mud properties: wt. 8.9, vis. 52

Daily Mud Cost = \$0.00. Mud Cost to Date = \$492.45

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

12 ¼" bit #1 (in @ 0' out @ 1031') = 11.75 hrs. - 1031'

7 7/8" bit #1 (in @ 1031') = 44.75 hrs. - 1998'

Fuel usage: 429.00 gals. (55" used 11")

Day	5	Date	09-23-09	Wednesday
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7:00 am – Drilling @ 3029'

Ran 20.25 hours drilling. Down 3.75 hours (.75 rig check, .75 connection, .75 CFS @ 3340', 1.25 CFS @ 3355', .25 rig repair)

Mud properties: wt. 9.0, vis. 50

Daily Mud Cost = \$0.00. Mud Cost to Date = \$492.45

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

12 ¼" bit #1 (in @ 0' out @ 1031') = 11.75 hrs. - 1031'

7 7/8" bit #1 (in @ 1031') = 65.00 hrs. - 2355'

Fuel usage: 468.00 gals. (43" used 12")

Day	6	Date	09-24-09	Thursday	Survey @ 3403' = 1 degree
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DST #1 (3367' – 3403')

LKC "E" – "F" formation

Recovered 30' mud

7:00 am – Drilling @ 3386'

Ran 8.50 hours drilling. Down 15.50 hours (1.25 CFS @ 3403', 7.00 trip, 2.00 CTCH, .25 survey, 3.00 DST #1, .25 rig check, 1.00 CFS @ 3464', .50 CFS @ 3500', .25 connection)

Mud properties: wt. 9.0, vis. 50

Daily Mud Cost = \$0.00. Mud Cost to Date = \$492.45

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

12 ¼" bit #1 (in @ 0' out @ 1031') = 11.75 hrs. - 1031'

7 7/8" bit #1 (in @ 1031' out @ 3403') = 66.00 hrs. - 2372'

7 7/8" bit #2 (in @ 3403') = 7.50 hrs. - 97'

Fuel usage: 312.00 gals. (35" used 8")

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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		WELL NAME		Stoss-Neeland Unit #1	
				LOCATION		1560' FSL & 370' FWL Sec. 28-17S-15W Barton County, KS	
				Mai Oil Operations, Inc. 8411 Preston Road, Suite 800 Dallas, TX 75225 214-219-8883			
Rig #3 Phone Numbers							
620-566-7104	Rig Cellular (Dog house)						
620-566-7108	Geologist Trailer Cellular						
620-617-4477	Tool Pusher Cellular		Jay Krier				
				ELEVATION	G.L. 2005'	K.B. 2013'	API# 15-009-25343-00-00

Driving Directions: From Olmitz (NW 90th Ave. & NW 100 Rd.): North East into.

Day	7	Date	09-25-09	Friday	DST #2 (3444' – 3500')
					<u>LKC "H" – "J" formation</u>
					<u>Recovered 1' mud</u>
					<u>DST #3 (3577' – 3541')</u>
					<u>Arbuckle formation</u>
					<u>Recovered 80' clean oil and</u>
					<u>185' gassy mud cut oil</u>

7:00 am – CFS @ 3500'

Ran 4.25 hours drilling. Down 19.75 hours (1.00 CFS @ 3500', 11.75 trip, 1.25 DST #2, 1.00 CTCH, .25 rig check, .25 rig repair, 1.00 CFS @ 3577', 3.00 DST #3, .25 connection)

Mud properties: wt. 9.0, vis. 50

Daily Mud Cost = \$0.00. Mud Cost to Date = \$492.45

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

12 1/4" bit #1 (in @ 0' out @ 1031') = 11.75 hrs. - 1031'

7 7/8" bit #1 (in @ 1031' out @ 3403') = 66.00 hrs. - 2372'

7 7/8" bit #2 (in @ 3403') = 11.75 hrs. - 174'

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

Day	8	Date	09-26-09	Saturday	DST #4 (3577' – 3582')
					<u>Arbuckle formation</u>
					<u>Recovered 325' clean oil and</u>
					<u>30' gassy mud cut oil</u>

RTD = 3582'

7:00 am – Tripping in with bit after DST #3 @ 3577'

Ran 0.25 hours drilling. Down 23.75 hours (6.25 trip, 1.00 CTCH, 1.50 CFS @ 3582', 3.50 DST #4, 1.00 nipple down, 3.00 lay down pipe, 1.00 plug, 6.50 tear down)

Mud properties: wt. 9.0, vis. 50

Daily Mud Cost = \$6,528.15. Total Mud Cost = \$7,020.60

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

12 1/4" bit #1 (in @ 0' out @ 1031') = 11.75 hrs. - 1031'

7 7/8" bit #1 (in @ 1031' out @ 3403') = 66.00 hrs. - 2372'

7 7/8" bit #2 (in @ 3403' out @ 3582') = 12.00 hrs. - 179'

Fuel usage: 156.00 gals. (36" used 4") 27" + 13" delivered = 40"

Plug well with 170 sacks of 60/40 Poz, 4% gel, 1/4# floseal per sack.

1st plug @ 3538' with 25 sacks. 2nd plug @ 1060' with 25 sacks. 3rd plug @ 555' with 80 sacks.

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

Job complete @ 12:30 a.m. on 09-27-09 by Allied Cement (tkr #37642).