

* **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: 8411 Preston Road, Suite 800
Address 2: _____
City: Dallas State: Tx Zip: 75225 + 5520
Contact Person: Allen Bangert
Phone: (214) 219-8883

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 - 009-25328-00-00
Spot Description: 100' North & 90' East S/2 N/2 NW
NW SW NE NW Sec. 6 Twp. 18 S. R. 14 East West
890 Feet from North / South Line of Section
1,410 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Barton
Lease Name: Harlan Well #: 1
Date Well Completed: D & A
The plugging proposal was approved on: 09-06-09 (Date)
by: Bruce Basye (KCC District Agent's Name)
Plugging Commenced: 09-07-09
Plugging Completed: 09-07-09

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#	1028'	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 180 sacks of 60/40 Poz, 4% gel, 1/4# floeal per sack.
1st plug @ 3530' with 25 sacks. 2nd plug @ 1080' with 35 sacks. 3rd plug @ 450' with 80 sacks.
4th plug @ 40' with 10 sacks to surface. Plug rat hole with 30 sacks.
Job complete @ 1:00 p.m. on 09-07-09 by Quality Cement (tkr #3786)

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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 Kasselma, Office Manager of 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 Kasselma 09-09-09

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

Lease: Hatlen #1

Plugging received from KCC representative:

Name: Bruce Basey Date 9-6-09 Time 1:15 P.M

1st plug @ 3530 ft. 25 sx. Stands: 57

2nd plug @ 1080 ft. 35 sx. Stands: 17 1/2

3rd plug @ 450 ft. 80 sx. Stands: 7

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

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

Mousehole _____ sx.

Rahole 30 sx.

Total Cement used: 180 sx.

Type of cement 6% Poz 4% Gel

Plug down @ 1:00 P.M 9-7-09 By Quality TK# 3786

Call KCC When Completed:

Name: ED Schumacher Date 9-8-09 Time 9:30

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QUALITY OILWELL CEMENTING, INC.

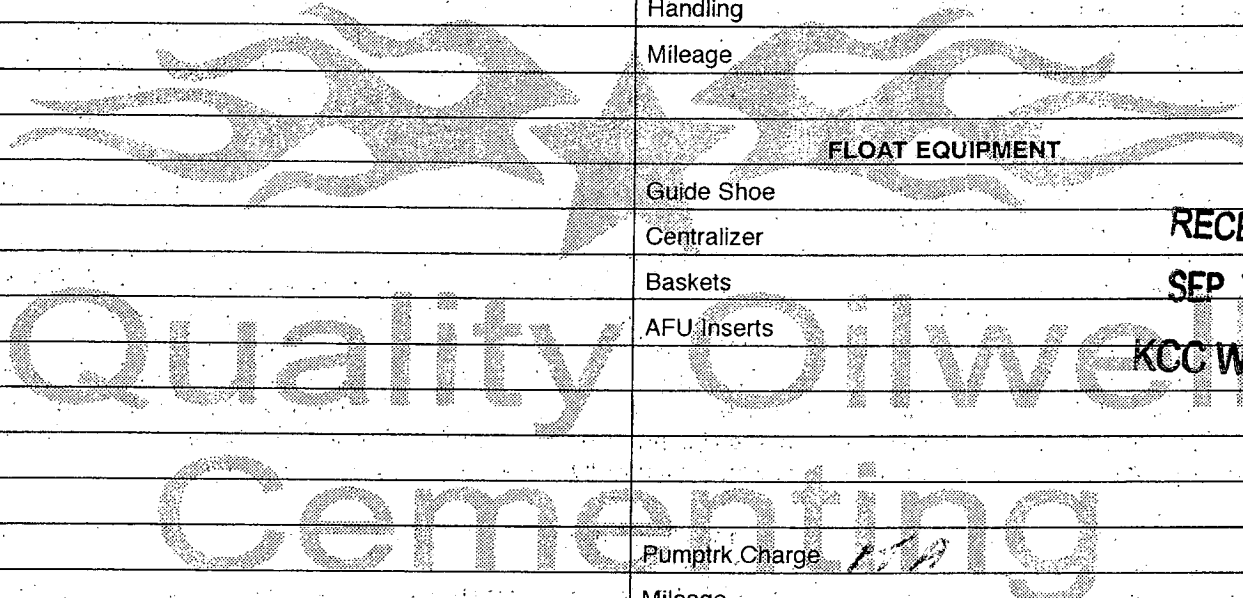
Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3765

Date	Sec.	Twp.	Range	County	State	On Location	Finish
-7-09				BT	KS		1:00 PM
Lease	Well No.		Location				
Contractor	Owner		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Type Job	Hole Size		T.D.	Charge To			
PTA	36 1/2			MAI O.R.			
Csg.	Depth		Street				
Tbg. Size	Depth		City State				
Tool	Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg.	Shoe Joint		CEMENT 1 1/4 8' 1/2				
Meas Line	Displace		Amount Ordered 180 60 1/2 4' 1/2				
EQUIPMENT			Common				
Pumptrk	No.	Cementer	Poz. Mix				
9		DAVE					
Bulktrk	No.	Driver	Gel.				
11		BRIAN					
Bulktrk	No.	Driver	Calcium				
P.W.		DARIN					
JOB SERVICES & REMARKS			Hulls				
Remarks:			Salt				
1 st PLUG @ 3530 25 SKS			Flowseal				
2 nd PLUG @ 1030 35 SKS							
3 rd PLUG @ 450 80 SKS							
4 th PLUG @ 90 10 SKS							
RAT HOLE 30 SKS							
			Handling				
			Mileage				
			FLOAT EQUIPMENT				
			Guide Shoe				
			Centralizer				
			Baskets				
			AFU Inserts				
			Pumptrk Charge				
			Mileage				
			Tax				
			Discount				
			Total Charge				
Signature							

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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

Harlan #1

Location: 890' FNL & 1410' FWL
API#: 15-009-25328-00-00

Section 6-18S-14W
Barton County, Kansas

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

COMMENCED: 08-31-09
COMPLETED: 09-07-09

TOTAL DEPTH: Driller: 3610'
Logger: 3608'

Ground Elevation: 1999'
KB Elevation: 2007'

LOG :

0' - 1763' Clay/Shale
1763' - 3610' Lime/Shale
3610' RTD

CASING RECORDS

Surface casing – 8 5/8"

Ran 24 joints of 23# new 8 5/8" surface casing. Tally @ 1018.96'. Set @ 1028'. Cement with 400 sacks of 60/40 Poz, 3% calcium chloride, 2% gel. Cement did circulate. Plug down @ 6:00 p.m. on 09-01-09 by Quality (tkr #3782)

Production casing – 5 1/2"

None – plugged the well

DEVIATION SURVEYS

3/4 degree (s) @ 1028'
0 degree (s) @ 3314'

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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 Harlan #1		
				LOCATION 890' FNL & 1410' FWL Sec. 6-18S-14W 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	G.L. 1999'	
620-566-7108	Geologist Trailer Cellular				K.B. 2007'	
620-617-4477	Tool Pusher Cellular	Jay Krier			API# 15-009-25328-00-00	

Driving Directions: From Olmitz (NW 90th Ave. & NW 110 Rd.): 1 ¼ miles East, South into.

Day 1 Date 08-31-09 Monday

Moved Rig #3 on location

Spud @ 7:00 p.m.

Ran 9.50 hours drilling (1.00 drill rat hole, 8.50 drill 12 ¼"). Down 14.50 hours (11.00 move/rig up, .25 rig repair, 2.75 connection, .50 jet)

Mud properties: spud mud

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

Wt. on bit: 20,000, 120 RPM, 800# pump pressure

12 ¼" bit #1 (in @ 0') = 8.50 hrs. - 795'

1" fuel = 39.00 gals.

Fuel usage: 117.00 gals. (36" used 3") Start @ 39"

Day 2 Date 09-01-09 Tuesday Survey @ 1028' = ¾ degree

7:00 am – Drilling @ 795'

Ran 7.00 hours drilling. Down 17.00 hours (1.00 trip, .25 survey, .25 jet, .25 circulate, 3.25 run casing/cement, 10.00 wait on cement, 1.25 connection, .75 drill plug)

Mud properties: spud mud

Daily Mud Cost = \$540.00. Mud Cost to Date = \$540.00

Wt. on bit: 25,000, 80 RPM, 800# pump pressure

12 ¼" bit #1 (in @ 0' out @ 1028') = 13.50 hrs. - 1028'

7 7/8" bit #1 (in @ 1028') = 2.00 hrs. - 74'

Fuel usage: 195.00 gals. (31" used 5")

Ran 24 joints of 23# new 8 5/8" surface casing. Tally @ 1018.96'. Set @ 1028'. Cement with 400 sacks of 60/40 Poz, 3% calcium chloride, 2% gel. Cement did circulate. Plug down @ 6:00 p.m. on 09-01-09 by Quality (tk #3782)

Day 3 Date 09-02-09 Wednesday

7:00 am – Drilling @ 1102'

Ran 19.25 hours drilling. Down 4.75 hours (.75 rig check, 1.00 jet, 2.50 connection, .50 rig repair)

Mud properties: spud mud

Daily Mud Cost = \$0.00. Mud Cost to Date = \$540.00

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

12 ¼" bit #1 (in @ 0' out @ 1028') = 13.50 hrs. - 1028'

7 7/8" bit #1 (in @ 1028') = 21.25 hrs. - 1282'

Fuel usage: 468.00 gals. (72" used 12") 31" + 53" delivered = 84"

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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		WELL NAME Harlan #1	
620-566-7104	Rig Cellular (Dog house)	LOCATION	890' FNL & 1410' FWL Sec. 6-18S-14W Barton County, KS
620-566-7108	Geologist Trailer Cellular	Mai Oil Operations, Inc. 8411 Preston Road, Suite 800 Dallas, TX 75225 214-219-8883	
620-617-4477	Tool Pusher Cellular	Jay Krier	ELEVATION G.L. 1999' K.B. 2007' API# 15-009-25328-00-00

Driving Directions: From Olmitz (NW 90th Ave. & NW 110 Rd.): 1 ¼ miles East, South into.

Day 4 Date 09-03-09 Thursday

7:00 am – Drilling @ 2310'
 Ran 20.50 hours drilling. Down 3.50 hours (.50 rig check, .50 jet, 1.75 connection, .75 displace @ 2814')
 Mud properties: wt. 8.6, vis. 58, water loss 8.8
 Daily Mud Cost = \$3,650.20. Mud Cost to Date = \$4,190.20
 Wt. on bit: 30,000, 80 RPM, 900# pump pressure
 12 ¼" bit #1 (in @ 0' out @ 1028') = 13.50 hrs. - 1028'
 7 7/8" bit #1 (in @ 1028') = 41.75 hrs. - 2007'
 Fuel usage: 429.00 gals. (61" used 11")

Day 5 Date 09-04-09 Friday Survey @ 3314' = 0 degrees
Pipe strap = 1.12 short to the board
DST #1 (3283' – 3314')
Lansing "B – C" formation
Recovered 10' mud

7:00 am – Drilling @ 3035'
 Ran 10.75 hours drilling. Down 13.25 hours (.75 CFS @ 3180', 1.00 CFS @ 3240', 1.25 CFS @ 3314', 1.00 CTCH, 6.00 trip, .50 rig check, .25 rig repair, .25 survey, .50 connection, 1.75 DST #1)
 Mud properties: wt. 9.3, vis. 46, water loss 8.0
 Daily Mud Cost = \$751.30. Mud Cost to Date = \$4,841.50
 Wt. on bit: 30,000, 80 RPM, 800# pump pressure
 12 ¼" bit #1 (in @ 0' out @ 1028') = 13.50 hrs. - 1028'
 7 7/8" bit #1 (in @ 1028' out @ 3314') = 52.50 hrs. - 2286'
 Fuel usage: 312.00 gals. (53" used 8")

Day 6 Date 09-05-09 Saturday DST #2 (3401' – 3464')
Lansing "H – J" formation
Recovered 4' mud

7:00 am – Tripping in with bit after DST #1 @ 3314'
 Ran 10.25 hours drilling. Down 13.75 hours (2.00 CTCH, 1.00 CFS @ 3360', 1.00 CFS @ 3442', 1.00 CFS @ 3464', 6.75 trip, .25 rig check, 1.25 DST #2, .25 connection, .25 rig repair)
 Mud properties: wt. 9.3, vis. 51, water loss 7.2
 Daily Mud Cost = \$0.00. Mud Cost to Date = \$4,841.50
 Wt. on bit: 30,000, 80 RPM, 800# pump pressure
 12 ¼" bit #1 (in @ 0' out @ 1028') = 13.50 hrs. - 1028'
 7 7/8" bit #1 (in @ 1028' out @ 3314') = 52.50 hrs. - 2286'
 7 7/8" bit #2 (in @ 3314') = 10.25 hrs. - 176'
 Fuel usage: 273.00 gals. (46" used 7")

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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	G.L. 1999' K.B. 2007' API# 15-009-25328-00-00
620-566-7108	Geologist Trailer Cellular		
620-617-4477	Tool Pusher Cellular		

Driving Directions: From Olmitz (NW 90th Ave. & NW 110 Rd.): 1 ¼ miles East, South into.

Day	7	Date	09-06-09	Sunday	DST #3 (3551' – 3562')
					Arbuckle formation
					Recovered 1' mud

RTD = 3610'
LTD = 3608'

7:00 am – Drilling @ 3490'
 Ran 5.25 hours drilling. Down 18.75 hours (1.50 rig repair, 1.00 CFS @ 3522', 1.00 CFS @ 3541', 1.25 CFS @ 3562', 7.00 trip, 1.00 DST #3, 1.00 CTCH, .25 rig check, 1.00 CFS @ 3610', 3.75 log)
 Mud properties: wt. 9.2, vis. 55
 Daily Mud Cost = \$1,057.45. **Total Mud Cost = \$5,898.95**
 Wt. on bit: 30,000, 80 RPM, 800# pump pressure
 12 ¼" bit #1 (in @ 0' out @ 1028') = 13.50 hrs. - 1028'
 7 7/8" bit #1 (in @ 1028' out @ 3314') = 52.50 hrs. - 2286'
 7 7/8" bit #2 (in @ 3314' out @ 3610') = 15.50 hrs. - 296'

Fuel usage: 273.00 gals. (39" used 7")

Day	8	Date	09-07-09	Monday
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7:00 am – Logging @ 3610'
 Ran 0.00 hours drilling. Down 8.00 hours (.50 log, 1.00 nipple down, 2.50 lay down pipe, 1.00 trip, 1.00 plug, 2.00 tear down)

Fuel usage: 39.00 gals. (38" used 1")

Plug well with 180 sacks of 60/40 Poz, 4% gel, ¼# floseal per sack.
 1st plug @ 3530' with 25 sacks. 2nd plug @ 1080' with 35 sacks. 3rd plug @ 450' with 80 sacks.
 4th plug @ 40' with 10 sacks to surface. Plug rat hole with 30 sacks.
 Job complete @ 1:00 p.m. on 09-07-09 by Quality (tk #3786).

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