

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: 07-14-08 (Date)
by: Mike Wilson (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 - 053-21222-00-00
Lease Name: Charvat
Well Number: 4
Spot Location (QQQQ): 150' N - 50'E - SW - SE-SW
480 Feet from North / South Section Line
1700 Feet from East / West Section Line
Sec. 30 Twp. 15 S. R. 10 East West
County: Ellsworth
Date Well Completed: D & A
Plugging Commenced: 07-14-08
Plugging Completed: 07-14-08

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'	361'	8 5/8" used 25#	351.27'	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.
1st plug @ 3264' with 35 sacks. 2nd plug @ 1325' with 35 sacks. 3rd plug @ 1050' with 35 sacks.
4th plug @ 410' with 35 sacks. 5th plug @ 60' with 25 sacks to surface.
Plug rat hole with 15 sacks. No mouse hole. Job complete @ 1:30 pm on 07-14-08 by Allied Cementing (tk # 42779)

Name of Plugging Contractor: Southwind Drilling, Inc. License #: 33350
Address: PO Box 276, Ellinwood, KS 67526

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Name of Party Responsible for Plugging Fees: Mai Oil Operations, Inc.
State of Kansas County, Barton, ss.

JUL 18 2008

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 17 day of July, 20 08
Renee Kasselmann My Commission Expires: 7-15-09
Notary Public

PKG

SOUTHWIND DRILLING, INC.

RIG #3

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

DRILLING REPORT

Charvat #4

Location: 480' FSL & 1700' FWL
API#: 15-053-21222-00-00

Section 30-15S-10W
Ellsworth County, Kansas

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

COMMENCED: 07-08-08
COMPLETED: 07-14-08

TOTAL DEPTH: Driller: 3320'
Logger: 3321'

Ground Elevation: 1733'
KB Elevation: 1741'

LOG :

0' - 571' Clay/Sand
571' - 590' Anhydrite
590' - 3320' Lime/Shale
3320' RTD

CASING RECORDS

Surface casing – 8 5/8"

Ran 9 joints of 25# used 8 5/8" surface casing. Tally @ 351.27'. Set @ 361'. Cement with 185 sacks of common, 3% calcium chloride, 2% gel. Cement did circulate. Plug down @ 3:45 a.m. on 07-09-08 by Quality (tkr #2954)

Production casing – 5 1/2"

None – plugged the well

DEVIATION SURVEYS

1/4 degree (s) @ 361'
1 3/4 degree (s) @ 2980'

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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	
Rig #3 Phone Numbers		WELL NAME Charvat #4	
620-566-7104	Rig Cellular (Dog house)	LOCATION	480' FSL & 1700' FWL Sec. 30-15S-10W Ellsworth 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. 1733' K.B. 1741' API# 15-053-21222-00-00

Driving Directions: From Wilson: 8 1/2 miles South on blacktop, East into.

Day 1 Date 07-08-08 Tuesday Survey @ 361' = 1/4 degree

Moved Rig #3 on location
 Spud @ 7:00 pm
 Ran 7.00 hours drilling (2.25 drill rat hole, 4.75 drill 12 1/4"). Down 17.00 hours (9.50 move/rig up, 1.75 connection, .25 circulate, .25 trip, .25 survey, 1.75 run casing/cement, 3.25 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, 550# pump pressure
 12 1/4" bit #1 (in @ 0' out @ 361') = 4.75hrs. - 361'
 1" fuel = 39.00 gals.
 Fuel usage: 273.00 gals. (76" used 7") Start @ 28" + 55" delivered = 83"

Ran 9 joints of 25# used 8 5/8" surface casing. Tally @ 351.27'. Set @ 361'. Cement with 185 sacks of common, 3% calcium chloride, 2% gel. Cement did circulate. Plug down @ 3:45 a.m. on 07-09-08 by Quality (tk #2954)

Day 2 Date 07-09-08 Wednesday Anhydrite (571' - 590')

7:00 am - Waiting on cement @ 361'
 Ran 14.50 hours drilling. Down 9.50 hours (.50 rig check, 4.75 wait on cement, 2.75 connection, 1.25 jet, .25 drill plug)
 Mud properties: spud mud
 Daily Mud Cost = \$384.10. Mud Cost to Date = \$384.10
 Wt. on bit: 30,000, 80 RPM, 800# pump pressure
 12 1/4" bit #1 (in @ 0' out @ 361') = 4.75hrs. - 361'
 7 7/8" bit #1 (in @ 361') = 14.50 hrs. - 1324'
 Fuel usage: 351.00 gals. (67" used 9")

Day 3 Date 07-10-08 Thursday

7:00 am - Drilling @ 1685'
 Ran 19.75 hours drilling. Down 4.25 hours (.75 rig check, .75 jet, 1.75 connection, 1.00 displace @ 2437'-2469')
 Mud properties: wt. 8.7, vis. 52
 Daily Mud Cost = \$2,635.45. Mud Cost to Date = \$3,019.55
 Wt. on bit: 30,000, 80 RPM, 800# pump pressure
 12 1/4" bit #1 (in @ 0' out @ 361') = 4.75hrs. - 361'
 7 7/8" bit #1 (in @ 361') = 34.25 hrs. - 2273'
 Fuel usage: 468.00 gals. (55" used 12")

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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		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. 1733' K.B. 1741' API# 15-053-21222-00-00
620-566-7108	Geologist Trailer Cellular		
620-617-4477	Tool Pusher Cellular		
			Jay Krier

Driving Directions: From Wilson: 8 ½ miles South on blacktop, East into.

Day 4 Date 07-11-08 Friday Survey @ 2980' = 1 ¾ degree

7:00 am – Drilling @ 2634'
Ran 13.25 hours drilling. Down 10.75 hours (.75 CFS @ 2940', 1.00 CFS @ 2980', 1.00 CTCH, .50 rig check, .75 connection, 4.50 trip, 2.00 DST #1, .25 survey)
Mud properties: wt. 8.8, vis. 54, water loss 8.8
Daily Mud Cost = \$2,341.95. Mud Cost to Date = \$5,361.50
Wt. on bit: 30,000, 80 RPM, 800# pump pressure
12 ¼" bit #1 (in @ 0' out @ 361') = 4.75hrs. - 361'
7 7/8" bit #1 (in @ 361') = 47.50 hrs. - 2619'

Fuel usage: 351.00 gals. (46" used 9")

Day 5 Date 07-12-08 Saturday DST #1 (2937' – 2980')

LKC "E" – "F" formation
Recovered 430' gas cut water

7:00 am – Tripping out with DST #1 @ 2980'
Ran 13.00 hours drilling. Down 11.00 hours (1.00 CTCH, .75 CFS @ 3055', 1.00 CFS @ 3093', 1.50 CFS @ 3231', 5.25 trip, .50 rig check, .75 connection, .25 jet)
Mud properties: wt. 9.0, vis. 43, water loss 8.8
Daily Mud Cost = \$950.30. Mud Cost to Date = \$6,311.80
Wt. on bit: 30,000, 80 RPM, 800# pump pressure
12 ¼" bit #1 (in @ 0' out @ 361') = 4.75hrs. - 361'
7 7/8" bit #1 (in @ 361') = 60.50 hrs. - 2870'

Fuel usage: 507.00 gals. (33" used 13")

Day 6 Date 07-13-08 Sunday DST #2 (3171' – 3231')

Conglomerate Sand formation
Recovered 40' oil, 10' oil cut mud,
& 10' gas in pipe

RTD = 3320'
LTD = 3321'

7:00 am – Tripping in with DST #2 @ 3231'
Ran 3.75 hours drilling. Down 20.25 hours (1.00 CTCH, 1.25 CFS @ 3238', 1.25 CFS @ 3243', 1.25 CFS @ 3251', 1.25 CFS @ 3261', 1.00 CFS @ 3320', 5.25 trip, .25 rig check, 3.25 DST #2, 4.50 log)
Mud properties: wt. 9.3, vis. 50, water loss 8.8
Daily Mud Cost = \$553.20. **Total Mud Cost = \$6,865.00**
Wt. on bit: 30,000, 80 RPM, 800# pump pressure
12 ¼" bit #1 (in @ 0' out @ 361') = 4.75hrs. - 361'
7 7/8" bit #1 (in @ 361' out @ 3320') = 64.25 hrs. - 2959'

Fuel usage: 234.00 gals. (27" used 6")

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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 Charvat #4	
Rig #3 Phone Numbers		LOCATION 480' FSL & 1700' FWL Sec. 30-15S-10W Ellsworth County, KS			
620-566-7104	Rig Cellular (Dog house)	Mai Oil Operations, Inc. 8411 Preston Road, Suite 800 Dallas, TX 75225 214-219-8883			
620-566-7108	Geologist Trailer Cellular	ELEVATION			
620-617-4477	Tool Pusher Cellular	Jay Krier	G.L. 1733'	K.B. 1741'	API# 15-053-21222-00-00

Driving Directions: From Wilson: 8 ½ miles South on blacktop, East into.

Day 7 Date 07-14-08 Monday

7:00 am – Logging @ 3320'

Ran 0.00 hours drilling. Down 16.00 hours (1.00 trip, 3.50 lay down pipe, 1.00 nipple down, 1.00 plug, 9.50 tear down)

Fuel usage: 117.00 gals. (24" used 3")

Plug the well with 180 sacks of 60/40 Poz, 4% gel.

1st plug @ 3264' with 35 sacks. 2nd plug @ 1325' with 35 sacks. 3rd plug @ 1050' with 35 sacks.

4th plug @ 410' with 35 sacks. 5th plug @ 60' with 25 sacks to surface. Plug rat hole with 15 sacks. No mouse hole.

Job complete @ 1:30 pm on 07-14-08 by Allied Cementing (tk #42779)

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SOUTHWIND DRILLING, INC.
PLUGGING ORDERS AND REPORTS

Lease: Charvat #4

Plugging received from KCC representative:

Name: Mike Wilson Date 7-14-08 Time 8:10

1st plug @ 3264 ft. 35 sx. Stands: 52 1/2

2nd plug @ 1325 ft. 35 sx. Stands: 21

3rd plug @ 1050 ft. 35 sx. Stands: 17

4th plug @ 410 ft. 35 sx. Stands: 6 1/2

5th plug @ 60 ft. 25 sx. Stands: 1

Mousehole _____ sx.

Rahole 15 sx.

Total Cement used: 180 sx.

Type of cement 6 1/4" P02 4% Gel

Plug down @ 1:30 P.M. 7-14-08

Call KCC When Completed:

Name: Mike Wilson Date 7-14-08 Time 1:45

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