

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

11/5/12

OPERATOR: License # 5259
Name: Mai Oil Operations, Inc.
Address 1: P.O. Box 33
Address 2:
City: Russell State: Ks. Zip: 67665
Contact Person: Allen Bangert
Phone: (785) 483-2169
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: Kitt Noah
Purchaser: NCRA

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Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.):

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: Plug Back Total Depth
 Commingled Permit #:
 Dual Completion Permit #:
 SWD Permit #:
 ENHR Permit #:
 GSW Permit #:

09/17/2010 09/23/2010 09/23/2010
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 009-25474-0000
Spot Description:
W/2 NW NE SW Sec. 14 Twp. 16 S. R. 15 East West
2,310 Feet from North / South Line of Section
1,470 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barton
Lease Name: Nuss-Deines Unit Well #: 1
Field Name: Wildcat
Producing Formation: N/A
Elevation: Ground: 1986' Kelly Bushing: 1994'
Total Depth: 3548' Plug Back Total Depth: 3548'
Amount of Surface Pipe Set and Cemented at: 467' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 70000 ppm Fluid volume: 200 bbls
Dewatering method used: Let dry
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. East West
County: Permit #:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Allen Bangert
Title: Prod. Supt. Date: 11/04/2010

KCC Office Use ONLY

- Letter of Confidentiality Received Date: 11/5/10 - 11/5/12
- Confidential Release Date:
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: NJ Date: 11-16-10

Operator Name: Mai Oil Operations, Inc. Lease Name: Nuss-Deines Unit Well #: 1
 Sec. 14 Twp. 16 S. R. 15 East West County: Barton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1006'	+988
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	2932'	-938
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3163'	-1186
List All E. Logs Run:		Toronto	3180'	-1186
CNFD, DIL, Micro		Lansing	3224'	-1230
		Base Kansas City	3450'	-1456
		Arbuckle	3502'	-1508

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	20#	467'	60-40 POZ	250	2% gel, 3% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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ALLIED CEMENTING CO., LLC. 041946

ATTN: P.O. BOX 31
RUSSELL, KANSAS 67665

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SERVICE POINT:
Russell Ks.

DATE <u>9-18-10</u>	SEC <u>14</u>	TWP. <u>16</u>	RANGE <u>15</u>	CONFIDENTIAL	ON LOCATION	JOB START <u>1:45 AM</u>	JOB FINISH <u>2:15 AM</u>
LEASE <u>NUSS Deines</u>	WELL # <u>1</u>	LOCATION <u>Galatia IN 1/4 E 1/4 N</u>			COUNTY <u>BARTON</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Southwind Drllg. Rig #3 OWNER _____

TYPE OF JOB Long SURFACE

HOLE SIZE 12 1/4 T.D. 467

CASING SIZE 8 5/8 DEPTH 467

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG 20'

PERFS. _____

DISPLACEMENT 28 1/2 / BBL

CEMENT AMOUNT ORDERED 250 SX 60/40

290 GEL

390 CC

COMMON	<u>150</u>	@	<u>13.50</u>	<u>2025.00</u>
POZMIX	<u>100</u>	@	<u>7.55</u>	<u>755.00</u>
GEL	<u>4</u>	@	<u>20.25</u>	<u>81.00</u>
CHLORIDE	<u>8</u>	@	<u>51.50</u>	<u>412.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>250</u>	@	<u>2.25</u>	<u>562.50</u>
MILEAGE	<u>110 file/mile</u>			<u>375.00</u>
TOTAL				<u>4210.50</u>

REMARKS:
Ran 12 JTs 8 5/8 used 20# CSG
Set @ 467, Load Hole & Reviewed
Circulation, Hook-up to Pump Truck
& mixed 250 SX Cement Release
Plug + Displace 28 1/2 BBL water
Shut in @ 350 #
Cement did circular to surface
THANKS

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>991.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>15</u>	@	<u>7.00</u>
MANIFOLD		@	
		@	

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NOV 05 2010 TOTAL 1096.00

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PLUG & FLOAT EQUIPMENT

<u>8 5/8 Solid Rubber Plug</u>	@	<u>74.00</u>
	@	
	@	
	@	

CHARGE TO: MAI OIL OPERATIONS

STREET _____

CITY _____ STATE _____ ZIP _____

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment

QUALITY OILWELL CEMENTING, INC.

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

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

NOV 05 2010 No. 4249

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Date	9-23-10	Sec.	14	Twp.	16	Range	15	County	Barton	State	Ks	On Location	Finish	5:00 PM
Lease	Nuss-Deines unit			Well No.	#1			Location	Galatia, Ks - NW, NE, N/2					
Contractor	Southwind #3							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	plug							T.D.	3550'					
Hole Size	7 7/8"							Depth	3483'					
Csg.	4 1/2"							Charge To	Main oil operations					
Tbg. Size	4 1/2"							Street						
Tool								City	State					
Cement Left in Csg.								Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line	Displace							H2O/mhd						
								Cement Amount Ordered	190 SX 60/40 4% Gel 1/4 B.F.S.					

EQUIPMENT

Pumptrk	9	No.	Cementer	Neale	Common	114
			Helper			
Bulktrk	10	No.	Driver	Paul	Poz. Mix	76
			Driver			
Bulktrk	p.u.	No.	Driver	Rick	Gel.	6
			Driver			

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal 47#
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
3483' - 25 SX	Sand
1021' - 25 SX	Handling 196
535' - 100 SX	Mileage
40' - 10 SX	
Rat hole - 30 SX	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	1 - Wooden plug

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Pumptrk Charge	plug Job	Tax	
Mileage	22	Discount	
Signature	Jay Davis	Total Charge	



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.
8411 Preston Rd., Ste. 800
Dallas, Texas 75225
ATTN: Kitt Noah

Nuss Deines Unit #1
14-16s-15w Barton, Ks
Job Ticket: 039204 DST#: 2
Test Start: 2010.09.21 @ 22:56:43

GENERAL INFORMATION:

Formation: **Lansing/KC F**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 00:25:13
Time Test Ended: 02:49:43
Interval: **3284.00 ft (KB) To 3314.00 ft (KB) (TVD)**
Total Depth: **3267.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Jerry Adams**
Unit No: **45**
Reference Elevations: **1994.00 ft (KB)**
1986.00 ft (CF)
KB to GR/CF: **8.00 ft**

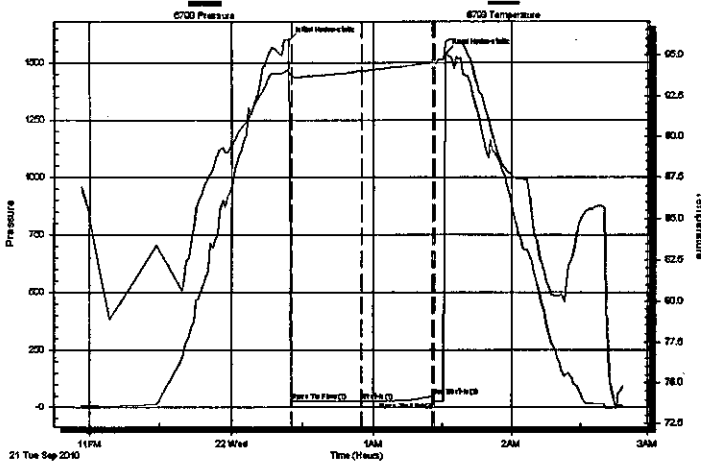
Serial #: 6798

Inside

Press@RunDepth: **28.37 psig @ 3285.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.09.21** End Date: **2010.09.22** Last Calib.: **2010.09.22**
Start Time: **22:56:44** End Time: **02:49:43** Time On Btm: **2010.09.22 @ 00:24:13**
Time Off Btm: **2010.09.22 @ 01:31:43**

TEST COMMENT: IF: Very weak surface blow. Dead in 3 mins.
IS: No blow.
FF: No blow. Flushed tool. No blow.
FS: N/A

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1596.93	94.07	Initial Hydro-static
1	30.98	93.69	Open To Flow (1)
31	28.37	93.99	Shut-In(1)
62	51.99	94.51	End Shut-In(1)
63	26.67	94.52	Open To Flow (2)
68	1540.89	95.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Drilling Mud 100% m	0.04

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MCF/D)

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