

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5259
Name: Mai Oil Operations, Inc.
Address P.O. Box 33
City/State/Zip Russell, KS 67665

Purchaser: _____
Operator Contact Person: Allen Bangert
Phone (913) 483-2169

Contractor: Name: Vonfeldt Drilling Company
License: 9431

Wellsite Geologist: _____

Designate Type of Completion
 New Well Re-Entry Workover

Oil SVD S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SVD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SVD or Inj?) Docket No. _____

10/22/93 10/28/93
Spud Date Date Reached TD Completion Date

API NO. 15-167-23074-00-06
County Russell
C .W/2. SW SW Sec. 23 Twp. 13S Rge. 14 E

660' Feet from S/N (circle one) Line of Section
330' Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Brandenburg Well # 1

Field Name Russell Townsite

Producing Formation Arbuckle

Elevation: Ground 1840' KB 1845'

Total Depth 3325' PBDT _____

Amount of Surface Pipe Set and Cemented at 842' 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 cnt.

Drilling Fluid Management Plan 4-20-94
(Data must be collected from the Reserve Pit)

Chloride content 8,000 ppm Fluid volume 300 bbls

Dewatering method used Left mud to dry

Location of fluid disposal free wtr. hauled off
if hauled offsite:

Operator Name MAI OIL OPERATIONS, INC.

Lease Name R. MAI SWD License No. 5259

SE Quarter Sec. 22 Twp. 13 S Rng. 14 E/W

County RUSSELL Docket No. D-20,813

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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.

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 PRODUCTION SUPERINTENDENT Date 1-27-94

Subscribed and sworn to before me this 26th day of January, 19 94.

Notary Public Janice Stoppel

Date Commission Expires 4-12-94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SVD/Rep NGPA
 KGS Plug Other (Specify)

JANICE STOPPEL
Notary Public - State of Kansas
My Appt. Expires 4-12-94

PI

Operator Name MAI OIL OPERATIONS, INC. Lease Name BRANDENBURG Well # 1
 Sec. 23 Twp. 13 Rge. 14 East West
 County RUSSELL

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" 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	TARKIO LM	2438	-593
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOPEKA	2702	-857
List All E.Logs Run:	Dual Induction	HEEBNER	2928	-1083
	Gamma Ray, Densilog	TORONTO	2948	-1103
	Compensated Neutron, RTD	LKC	2987	-1142
	Minilog	BKC	3244	-1399
		ARBUCKLE	3266	-1421
			3325	-1480

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"	28#	842'	60-40poz 2%gal 13%cc	350	
PRODUCTION	7 7/8	5 1/2"	14#	3324'	Common	200	5% calseal 18% salt 5# gilsonite 178# floeal 3/4% halad 322

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	3295 1/2 -			
<input checked="" type="checkbox"/> Plug Back TD	3306	MicroMatrix	35	none
<input type="checkbox"/> Plug Off Zone	3286 -			
	3295 1/2		25	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
4	3302-03	SQUEEZED
6	3289-91	ACID 250 gal SQUEEZWD
4	3279-82, 3273-75, 3269-72	ACID 1250 gal.

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
		2 7/8"	3283'			
Date of First, Resumed Production, SWD or Inj.			Producing Method			
11-15-93			<input type="checkbox"/> Flowing <input checked="" 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 Gravity
	10				5	

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: 3269-82

Phone 913-483-2627, Russell, KS
 Phone 316-793-5861, Great Bend, KS

15-167-23074-00-00
 Phone 913-625-5516, Hays, KS
 Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
 Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC. 0068161 ORIGINAL

Home Office P. O. Box 31 Russell, Kansas 67665

New

NOON

Date	10-23-93	Sec.	23	Twp.	13 S	Range	14 W	Called Out	10:00 AM	On Location	12:00 PM	Job Start	2:00 PM	Finish	2:30 PM		
Lease	BRANDENBURG Well No. #1		Location				Russell City Limits			County		RUSSELL		State		KANSAS	
Contractor	VONFELDT DRUG RIG. #1																
Type Job	LONG SURFACE																
Hole Size	12 1/4			T.D.		848'											
Csg.	8 5/8			28# USED		Depth		842'									
Drill Pipe	8 1/2 TOTAL PIPE			Depth													
Tool				Depth													
Cement Left in Csg.	15'-20'			Shoe Joint													
Press Max.				Minimum													
Meas Line	✓ 825'			Displace		✓ 5 1/2 BBL											
Perf.																	

Owner 15TH ST. & Hwy 281 N 1/8 N 1/8 E
 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 listed.

Charge To MAI OIL OPERATIONS INC

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. Allen Baugert
 X CEMENT

Amount Ordered 350 SK. 60/40 22 GEL 3% CC

Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
SALES TAX	

Handling 1.00 PER SK
 Mileage OK PER SK PER TON MILE

Sub Total	
Total	

Floating Equipment

EQUIPMENT

Pumptrk #177	No.	Cementer	Allen
		Helper	W. J. O.
Pumptrk #146	No.	Cementer	
		Helper	
Bulktrk #146		Driver	Paul
		Driver	

DEPTH of Job		JAN 27 1994
Reference:	Pump Truck CHRG	CONSERVATION DIVISION
	2 25/ PER MILE	Wichita, Kansas
1-8 5/8	RUBBER PLUG	
	Sub Total	
	Tax	
	Total	

Remarks: CEMENT CIRCULATED
 Shanker

WELL DATA

15-167-23074-00-00

FIELD _____ SEC. 23 TWP. 11 RNG. 14 COUNTY Russell STATE K.

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	11		5 1/2"			
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10/29</u>	DATE <u>10/29</u>	DATE <u>10/29</u>	DATE _____
TIME <u>1:00</u>	TIME <u>1:00</u>	TIME <u>1:00</u>	TIME _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>1 Packer</u>	<u>4 1/2"</u>	<u>Comb</u>
<u>1 Agent</u>	<u>5 1/2"</u>	<u>Hay, K.</u>
<u>1 Agent</u>	<u>5 1/2"</u>	<u>Hay, K.</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT <u>MOE-T</u>	<u>1</u>	<u>Halliburton</u>
GUIDE SHOE	<u>1</u>	<u>"</u>
CENTRALIZERS	<u>5 1/2"</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG	<u>1</u>	<u>"</u>
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
 BREAKER TYPE _____ GAL.-LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT Oil
 DESCRIPTION OF JOB 15-167-23074-00-00

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

RECEIVED
 CUSTOMER REPRESENTATIVE Allen Bangert

HALLIBURTON OPERATOR 7/10/29 COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	CONSERVA ADDITIVES Wichita Kansas 1/2" Flocculant	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>200</u>	<u>Port</u>		<u>B</u>	<u>150 lbs 1/2" Flocculant</u>	<u>1.35</u>	<u>11.1</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. 20.0 TYPE 375-1+
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 20.7
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 20.3
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

REMARKS

ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 16 REASON Shut in

CUSTOMER

DATE
10-29-93

JOB LOG FORM 2013 R-3

CUSTOMER: *Ma Oil Oper, Inc* WELL NO.: *#1* LEASE: *Brandenburg* JOB TYPE: *Cont 5 1/2" Prod Coy* TICKET NO.: *568160*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	03:00							Called Out
	05:00							On Loc - Rig Laying Down DP Spot & Set up Equip - Discuss Job
	07:10							Start 5 1/2" Csg in Hole 100 Crat Guide Shoe 100 Inert + Float Valve / Fill-up Assy Sec. Cementation 1, 3, 9, 11, 14, 18, 20, 26
	09:00							Csg in Hole Hook up PC + Manifold
	09:10							Break Circ / Rig Pump Circ in RTD 3325 - Set Csg @ 3324' Hook up to PT
	09:42							200 Start Salt Flush (10')
	09:46							275 Salt Flush in (20 BBL)
	09:52							325 Start Mix Crat (Plug Bottom + New ^{Brk} Hole) ^{10 sk} 200-kg EA-2 2 1/2" Gilsonite, 1/2" Flacks, 3/4" H 100
	09:59							300 Finish Mix Crat Release Plug + Wire Line Wash out Pump Line
	10:00							125 Start Displ
	10:14							350 Finish Displ
	10:18							1350 Plug Landed - Tag Plug / Wire Line
	10:19							0 Release Pres Wash up + Rack up Job Complete

RECEIVED
STATE COMMISSION

JAN 27 1994

CONSERVATION DIVISION
Wichita, Kansas

Thank You
John Allen