

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

Operator: License # 5259Name: MAI OIL OPERATIONS, INC.Address P.O. BOX 33City/State/Zip RUSSELL, KS. 67665Purchaser: NCRAOperator Contact Person: ALLEN BANGERTPhone (785) 483 2169Contractor: Name: MURFIN DRILLING CO., INC.License: 30606Wellsite Geologist: TODD MORGENSTERN

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ SLOW ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

12-01-03 12-05-03 12-05-03
 Spud Date Date Reached TD Completion Date

API NO. 15- 163-23391-0000County ROOKSN/2-S/2-SW-SE Sec. 22 Twp. 9 Rge. 20 ☒ E500 Feet from SW (circle one) Line of Section2050 Feet from EW (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)Lease Name STEEPLES Well # 1Field Name WILDCATProducing Formation ARBUCKLEElevation: Ground 2259' KB 2264'Total Depth 3834' PBTD 3834'Amount of Surface Pipe Set and Cemented at 219' FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1734'feet depth to SURFACE w/ 185 sx cmt.Drilling Fluid Management Plan ALB 6.10.04
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used LET DRY

Location of fluid disposal if hauled offsite: _____

Operator Name _____

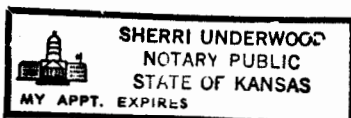
Lease Name _____ License No. _____

____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

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 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 BangertTitle PROD. SUPT. Date 3-15-04Subscribed and sworn to before me this 15 day of March, 2004.Notary Public Sherril UnderwoodDate Commission Expires 10-30-04

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K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep	<input type="checkbox"/> NGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other (Specify)

Form ACD-1 (7-91)

SIDE TWO

Operator Name WAT OIL OPERATIONS, INC.Lease Name STEEPLESWell # 1Sec. 22 Twp. 9 Rge. 20☐ EastCounty ROOKS☒ West

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.)☒ Yes ☐ No

Samples Sent to Geological Survey

☐ Yes ☒ No

Cores Taken

☐ Yes ☒ NoElectric Log Run
(Submit Copy.)☒ Yes ☐ NoList All E.Logs Run: RADIATION-GUARD☐ Log Formation (Top), Depth and Datum ☒ Sample

Name	Top	Datum
ANHYDRITE	1755	509
BASE ANHYDRITE	1790	474
TOPEKA	3291	-1027
HEEBNER	3497	-1233
TORONTO	3521	-1257
LKC	3538	-1274
BKC	3754	-1490
ARBUCKLE	3830	-1566

CASING RECORD

☐ New ☒ 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
<u>SURFACE</u>	<u>12 1/4"</u>	<u>8 5/8"</u>	<u>28#</u>	<u>219'</u>	<u>COMMON</u>	<u>160</u>	<u>2% GEL</u> <u>3% CC</u>
<u>PRODUCTION</u>	<u>7 7/8"</u>	<u>5 1/2"</u>	<u>14#</u>	<u>3829'</u>	<u>ASC</u>	<u>125</u>	

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 (Amount and Kind of Material Used)	Depth

TUBING RECORD	Size <u>2 7/8"</u>	Set At <u>3829'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. <u>1-2-04</u>	Producing Method <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. <u>20</u>	Gas Mcf	Water Bbls. <u>60</u>	Gas-Oil Ratio Gravity

Disposition of Gas:

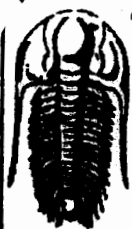
METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

☒ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

ORIGINAL


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations Inc

P O Box 33
Russell Ks 67665

ATTN: Allen Bangert

Steeple #1

22-9-20-Rooks-Ks

Job Ticket: 18416

DST #: 1

Test Start: 2003.12.05 @ 03:20:06

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock

ft (KB)

Time Tool Opened: 05:34:36

Time Test Ended: 10:36:36

Interval: 3760.00 ft (KB) To 3834.00 ft (KB) (TVD)

Total Depth: 3834.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

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Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Reference Elevations: 2264.00 ft (KB)

2259.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6766

Inside

Press@RunDepth: 347.37 psig @ 3753.00 ft (KB)

Start Date: 2003.12.05

End Date:

2003.12.05

Capacity: 7000.00 psig

Last Calib.: 2003.12.05

Start Time: 03:20:06

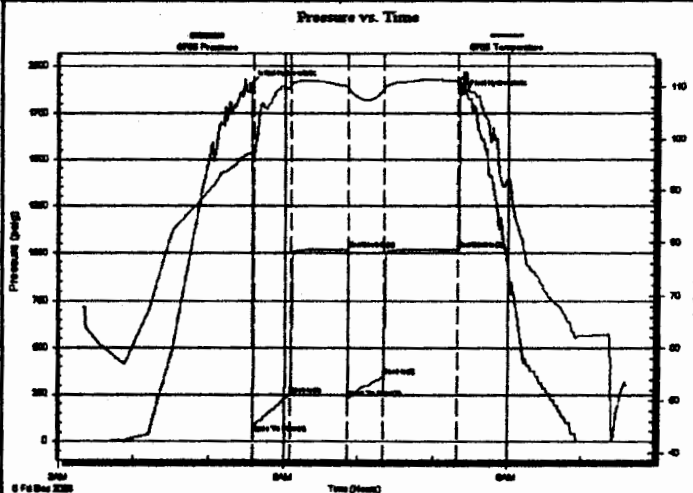
End Time:

10:36:36

Time On Btm: 2003.12.05 @ 05:32:36

Time Off Btm: 2003.12.05 @ 06:22:36

TEST COMMENT: F-Strong BOB in 4 min
FF-Strong BOB in 7 min
Times-30-45-30-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1900.17	97.42	Initial Hydro-static
2	44.77	97.08	Open To Flow (1)
33	246.13	110.17	Shut-In (1)
79	1018.75	110.22	End Shut-In (1)
79	230.11	109.96	Open To Flow (2)
108	347.37	109.64	Shut-In (2)
167	1019.55	111.20	End Shut-In (2)
170	1850.57	111.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	OCgyM 10%g 40%o 50%w	0.61
680.00	CGsyO 10%g 90%o	9.54
0.00	62 GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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