

COPY

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

Operator: License # 30146
Name: Mach Petroleum, Inc.
Address P.O. Box 35583

City/State/Zip Tulsa, Okla. 74153
Purchaser: Post Rock Gas
Operator Contact Person: Thomas Mach
Phone (918) 496-0442
Contractor: Name: Clark Corp.
License: 5105
Wellsite Geologist: None
Designate Type of Completion
☐ New Well ☐ Re-Entry ☒ Workover

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

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

Operator: BOW VALLEY PETROLEUM CORP.
Well Name: KANSAS UNIVERSITY #2-32
6-25-83
Comp. Date Old Total Depth 5360'

Deepening ☒ Re-perf. ☐ Conv. to Inj/SWD
☒ Plug Back 5250' PBTD
Commingled ☐ Docket No.
Dual Completion ☐ Docket No.
Other (SWD or Inj?) Docket No.

6-15-97 6-17-97
Date of START/Date Reached TD Completion Date of
OF WORKOVER WORKOVER

API NO. 15- 033-20,5980001

County Comanche

C NW SE Sec. 32 Twp. 33S Rge. 19W E W

1980 Feet from (circle one) Line of Section

1980 Feet from (circle one) Line of Section

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

Lease Name Kansas Univ. Well # 2-32

Field Name WC

Producing Formation Pawnee

Elevation: Ground 1915 KB 1925

Total Depth 5353 PBTD 5250

Amount of Surface Pipe Set and Cemented at 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 REWORK JH 8-29-97
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used

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, 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 Norm C. Mach
President Date 8/26/97

Subscribed and sworn to before me this 26 day of August
19 97.

Notary Public:

Date Commission Expires Jan 19, 1998

K.C.C. OFFICE USE ONLY
F ☐ Letter of Confidentiality Attached
C ☐ Wireline Log Received
C ☐ Geologist Report Received

Distribution
☒ KCC ☐ SWD/Rep ☐ NGPA
☐ KGS ☐ Plug ☒ Other
15 (Specify)

Operator Name Mach Petroleum, Inc.Lease Name Kansas Univ.Well # 2-32Sec. 32 Twp. 33S Rge. 19W☐ East
☒ WestCounty Comanche

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 ☐ Yes ☒ No
(Attach Additional Sheets.)Samples Sent to Geological Survey ☐ Yes ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☐ Yes ☒ No
(Submit Copy.)

List All E.Logs Run:

None☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
TOPEKA	3868	-1943
HEEBNER	4314	-2389
LANSING	4502	-2577
SWOPE	4874	-2949
BASE KC	4968	-3043
MARMATON	5026	-3101
REWORKED MISSISSIPPI	5264	-3339
MISSISSIPPI	5292	-3367

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
Surface	12 1/4"	8 5/8"	24	651'		500	
Production	7 7/8"	4 1/2"	15	5357'		170	

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
4	5126-5129	Natural	
4	5270'-5276' + 5293'-5300		
	CIRP @ 5250'		
TUBING RECORD			
Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2 3/8	5050	5050	
Date of First, Resumed Production, SWD or Inj.		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Expl	
6/17/97			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Grav.
	0	2,000	

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) _____
5126-5132