

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

Operator: License # 30444Name: Charter Production CompanyAddress 224 E. Douglas - Suite 400City/State/Zip Wichita KS 67202Purchaser: unknownOperator Contact Person: Robert C. SpurlockPhone (316)264-2808Contractor: Name: Eagle DrillingLicense: 5380Wellsite Geologist: Robert Smith

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ Temp. Abd.☒ Gas SI ☐ Inj ☐ Delayed Comp.☒ Dry ☐ Other (Core, Water Supply, etc.)

OWMO: old well info as follows:

Operator: _____

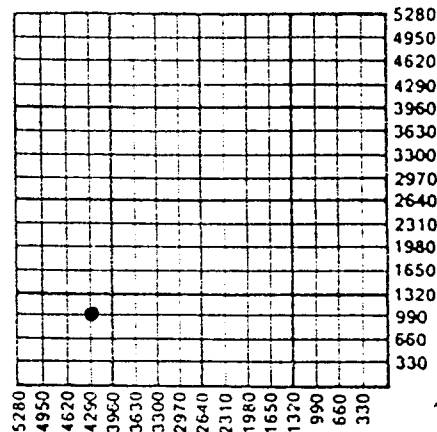
Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable10/25/90 11/05/90 11/18/90

Spud Date Date Reached TD Completion Date

API NO. 15- 025-21,053County ClarkNE SW SW Sec. 3 Twp. 34S Rge. 25 X East West990 Ft. North from Southeast Corner of Section4290 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name Harden Farms Well # 1-3Field Name McKinneyProducing Formation MorrowElevation: Ground 2057 KB 2070Total Depth 5890 PBD 5600Amount of Surface Pipe Set and Cemented at 669 FeetMultiple 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.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Robert C. Spurlock

Robert C. Spurlock

Title President Date 01/15/91Subscribed and sworn to before me this 15th day of January, 19 91.Notary Public Betty B. HerringDate Commission Expires 10/07/93

BETTY B. HERRING

NOTARY PUBLIC

STATE OF KANSAS

My Appt. Exp. 10-07-93

K.C.C. OFFICE USE ONLY

F ☒ Letter of Confidentiality Attached
C ☒ Wireline Log Received
C ☒ Drillers Time Log Received

Distribution

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

Operator Name Charter Production Company Lease Name Harden Farms Well # 1-3
☐ East County Clark
 Sec. 3 Twp. 34S Rge. 25 ☒ 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 ☒ Yes ☐ No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey ☒ Yes ☐ No
 Cores Taken ☐ Yes ☒ No
 Electric Log Run ☒ Yes ☐ No
 (Submit Copy.)

SEE ATTACHED SHEET.

Formation Description

☐ Log ☒ Sample

Name Top Bottom

SEE ATTACHED SHEET.

CASING RECORD

☐ New ☒ Used surface; New production

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	25#	669	Lite	225	3% CC
production	7 7/8	4 1/2	10.5#	5642	Common	100	3% CC
					60/40 Poz	100	

PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
4	5509-14; 5519-21			500 gal 7 1/2% FE			5509-14;
				70% CO ₂ , 1/500# sand			5519-21

TUBING RECORD		Size	Set At	Packer At	Liner Run			
		2 3/8	5464	na	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	Producing Method							
WOPL	<input checked="" 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	Gravity
		20		400		0	20,000	51

Disposition of Gas:

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

METHOD OF COMPLETION

☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Coningled
☐ Other (Specify) _____

Production Interval