

RELEASED

SIDE ONE

16-6-20W

5/27/86

KCC

FAD

Date

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

Operator: License # 8925
Name Liberty Operations & Completions, Inc.
Address 308 West Mill
City/State/Zip Plainville, Ks. 67663

Purchaser Farmland Industries, Inc.

Operator Contact Person Charles G. Comeau
Phone 913-434-4686

Contractor: License # 5665
Name Pioneer Drilling Co., Inc.

Wellsite Geologist Chris Mraz
Phone 913-434-4686

Designate Type of Completion

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

If OWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

2-04-86 2-10-86 2-27-86
Spud Date Date Reached TD Completion Date

3727' 3715'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 8 5/8" @ 244'
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set 1704'

If alternate 2 completion, cement circulated 50/50 poz,
from 1704' feet depth to surface 375' SX cmt 6% gel

Cement Company Name Allied Cementing Co., Inc.
Invoice # 45970

API NO. 15-163-22,847
County Rocks
S/2.. SE SW Sec. 16 Twp. 6S Rge. 20 East
West

330 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section

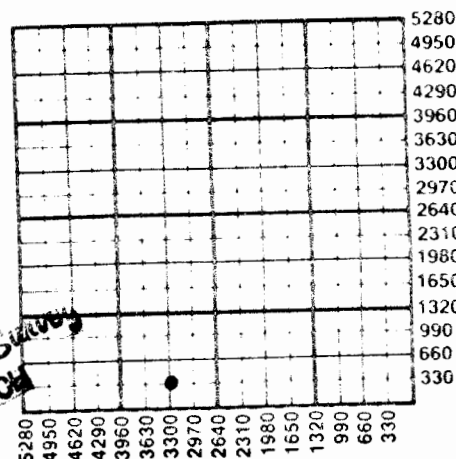
(Note: Locate well in section plat below)

Lease Name Geyer Well # 4

Producing Formation Arbuckle

Elevation: Ground 2207' KB 2212'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☒ Disposal
Docket # D-24,048 ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:

Division of Water Resources Permit #

Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West

☒ Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec 9 Twp 7S Rge 20W East ☒ West

Other (explain).....
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form.

SIDE TWO

Operator Name Liberty Operations & Completions Inc. Lease Name Ceyer Well # 4

Sec. 16 Twp. 6S Rge. 20 ☐ East ☒ West County Rooks

Date of First Production <u>2-27-86</u>	Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....				
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	35 Bbls	MCF	0 Bbls	CFPB	

Drill Stem Tests Taken ☒ Yes ☐ No
 Samples Sent to Geological Survey ☐ Yes ☒ No
 Cores Taken ☐ Yes ☒ No

DST #1: 3643-3702'/30-60-60-60. REC 125' OCM, 25% oil. IFP: 63-74#, ISIP: 918#, FFP: 85-117#, FSIP: 843#.

LOG TOPS

Anhydrite	1819 (+393)
Topeka	3219 (-1007)
Heebner	3419 (-1207)
Toronto	3440 (-1228)
Lansing/KC	3453 (-1241)
Base/KC	3648 (-1436)
Marmaton	3666 (-1454)
Arbuckle	3686 (-1474)

Formation Description		Name	Top	Bottom
☒ Log ☐ Sample		shale and sand	0'	75'
		shale and sand	75'	245'
		sand and shale	245'	300'
		shale and sand	300'	1297'
		sand and shale	1297'	1817'
		anhydrite	1817'	1839'
		anhydrite	1839'	1857'
		lime and shale	1857'	2057'
		shale and lime	2057'	2345'
		shale and lime	2345'	2585'
		shale and lime	2585'	2788'
		lime and shale	2788'	2960'
		lime and shale	2960'	3145'
		lime and shale	3145'	3277'
		lime and shale	3277'	3392'
		lime and shale	3392'	3505'
		lime and shale	3505'	3620'
		lime and shale	3620'	3702'
		arbuckle	3702'	3727'

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☒ Vented ☐ Open Hole ☒ Perforation
☐ Sold ☐ Other (Specify) 3687-3697'

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 Casing	12 1/4"	8 5/8"	20#	244'	60-40pos	175	2%gel 3%cc
Production (1st)	7 7/8"	4 1/2"	9.5#	3726'	60-40pos	150	2%gel 8%salt 5%
" (2nd)	"	"	"	"	50-50pos	375	6%gel gilsonite
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2/foot	3687-3697'			Spotted 200 gal. 15% D.F.E. 5% checker-sol. Retreated w/750 gal. 15% I.N.S. Retreated w/1500 gal. 15% I.N.S.		3687-97'	
TUBING RECORD				Liner Run ☐ Yes ☒ No			
Size		Set At		Packer at			
2 3/8"		3712.59'					