

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
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 ONWO: 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' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1704' feet
If alternate 2 completion, cement circulated 50/50 poz,
from 1704' feet depth to surface 375' SX cmt 68 gal
Cement Company Allied Cementing Co., Inc.
Invoice # 45970

API NO. 15-163-22,847-00-00
County Rooks
S/2.. SF. 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)

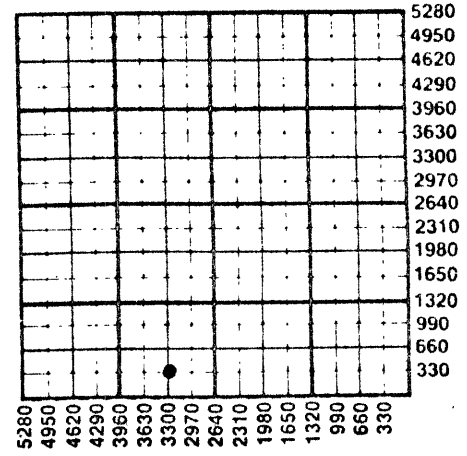
Lease Name Geyer Well # 4

Field Name TODD, NE

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 4290 Ft North from Southeast Corner (Stream, pond etc) 4950 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. 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 Charles G. Comeau
Title Petroleum Geologist Date 2-28-86

Subscribed and sworn to before me this 28th day of February 1986
Notary Public Jolene Garvert
Date Commission Expires 3-9-88

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
RECEIVED
STATE CORPORATION COMMISSION
Form ACO-1 (7-84)

JOLENE GARVERT
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 3-9-88

MAR 3 1986
3-3-86
CONSERVATION DIVISION
Wichita, Kansas

Sec 16 Twp 6S Rge 20W

15-163-22847-00-00

SIDE TWO

Operator Name Liberty Operations & Completions, Inc. Lease Name Geyer Well # 4
 Sec. 16 Twp. 6S Rge. 20 East West County Rooks

WELL LOG

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
 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)

Name	Formation Description	
	Top	Bottom
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'

RELEASED
 6-11-87
 JUN 11 1987

CASING RECORD <input checked="" type="checkbox"/> New <input 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 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% gilsonite
" (2nd)	"	"	"	"	50-50pos	375	6%gel
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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer at					
2 3/8"	3712.59'						
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
2-27-86							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	35 Bbls	MCF	0 Bbls	CFPB			

METHOD OF COMPLETION Vented Open Hole Perforation. Sold Other (Specify) 3687-3697'
 Used on Lease Dually Completed
 Commingled