

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  
Address 308 W. Mill Street  
City/State/Zip Plainville, Ks. 67663

Purchaser Farmland Industries

Operator Contact Person Roger L. Comeau  
Phone 913-434-4686

Contractor: License # 8241  
Name Emphasis Oil Operations

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 OWNO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary  Air Rotary  Cable

12-11-87 12-16-87 12-22-87  
Spud Date Date Reached TD Completion Date

3745' 3738.50'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 202 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1833 feet  
If alternate 2 completion, cement circulated from 1833 feet depth to Top w/ 365 SX cmt  
Cement Company Name Allied Cementing  
Invoice #

API NO. 15-163-22-963  
County Rooks  
NE NE NW Sec 20 Twp 6S Rge 20 East West

4950 Ft North from Southeast Corner of Section  
2970 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

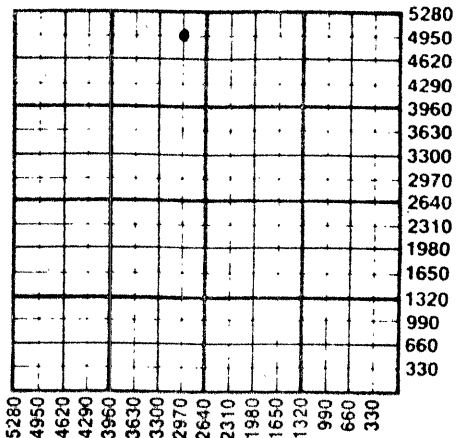
Lease Name Wyrill Farms Well # 1

Field Name TODD, NE

Producing Formation Arbuckle

Elevation: Ground 2245' KB 2250'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket #  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 3960 Ft North from Southeast Corner (Stream, pond etc.) 3960 Ft West from Southeast Corner Sec 6 Twp 6S Rge 20 East West

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

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. 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.

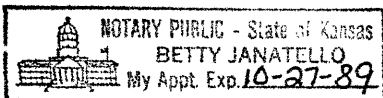
Signature Roger L. Comeau

Title President Date 1-19-88

Subscribed and sworn to before me this 21 day of January 1988

Notary Public Betty Janatello

Date Commission Expires 10-27-89



Rec'd 1-20-88

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)

Sec. 29 W.P. Long 2000

SIDE TWO

Operator Name Liberty Operations Lease Name Wyrill Farms Well # 1

Sec. 20 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

Formation Description  
 Log  Sample

		Name	Top	Bottom
DST #1	3687-3723/30-30-0-0. Recovered 10' Mud. ISIP 126# IFP 39-48# HP 1893-1903#	Top Soil & Sand Stks.	0'	265'
		Shale	265'	1059'
DST #2	3687-3745/45-60-30-60. Rec. 420' Heavy Mud Cut Oil. SIP 714-704#, IFP 136-174#, FP 174-230#, HP 1893-1864#.	Dakota Sand	1059'	1266'
		Red Bed	1266'	1380'
		Cedar Hills	1380'	1584'
		Red Bed	1584'	1860'
		Anhydrite	1860'	1888'
		Red Bed & Shale	1888'	1965'
		Shale	1965'	2780'
		Lime & Shale	2780'	3500'
		Lime	3500'	3745'
		R.T.D.		3745'
*	Anhydrite		1859(+391)	
	Base Anhydrite		1887(+363)	
	Topeka		3258(-1008)	
	Heebner		3461(-1211)	
	Toronto		3484(-1234)	
	Lansing/KC		3496(-1246)	
	Base /KC		3692(-1442)	
	Marmaton		3710(-1460)	
	Arbuckle		3726(-1476)	

\* Log Formations

CASING RECORD <input 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 1/2"	8 5/8"	20#	262'	60-40 poz	175 sx	Quick Set
Production	7 7/8"	4 1/2"	9.5#	3744'	60-40 poz	150 sx	8% salt, 2% gel, 5% 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	
3/foot	3734'-3737'			750 gal 15% D.F.E.		3734-37	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
	Size 2 3/8"	Set At 3710'	Packer at				
Date of First Production		Producing Method					
12-23-87		<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	Gas	Water	Gas-Oil Ratio	Gravity	
30 Bbls		MCF	10 Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed  
 Commingled

3734-3737  
 .....