

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  
address 308 West Mill

City/State/Zip Plainville, Kansas 67663

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

Contractor: license # 5665  
name Pioneer Drilling Company, Inc.

Wellsite Geologist Kevin Adams  
Phone 913-628-6698

PURCHASER Farmland Industries, Inc.

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator NA  
Well Name NA  
Comp. Date NA Old Total Depth NA

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable

7-05-84 7-13-84 9-6-84  
Spud Date Date Reached TD Completion Date

3510' 3492'  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 8 5/8" @ 259' feet

Multiple Stage Cementing Collar Used?  Yes  No

If Yes, Show Depth Set \_\_\_\_\_ feet

If alternate 2 completion, cement circulated  
from \_\_\_\_\_ feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ SX cmt  
cement down backside with 350 sacks 50/50 poz  
3% gel with 6 sacks cotton seed hulls mixed in  
first 100 sacks cement

API NO. 15 - 163-22,427 - 00 - 00

County Rooks

NW NE NW Sec 14 Twp 9S Rge 17 East  
(location) West

4950 Ft North from Southeast Corner of Section  
3630 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

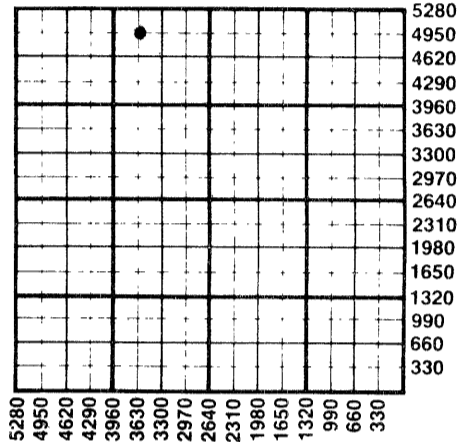
Lease Name Westhusin "B" Well# 1

Field Name Minnie O

Producing Formation Arbuckle & Simpson Sand

Elevation: Ground 2048' KB 2053'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # NA

Groundwater \_\_\_\_\_ Ft North From Southeast Corner and  
(Well) \_\_\_\_\_ Ft. West From Southeast Corner of  
Sec Twp Rge  East  West

Surface Water 3300 Ft North From Southeast Corner and  
4620 Ft West From Southeast Corner  
(Stream, Pond etc.) \_\_\_\_\_  
Sec 14 Twp 9S Rge 17  East  West

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

Disposition of Produced Water:  Disposal  Repressuring

Docket # D-22,253

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. Rules 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.

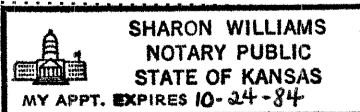
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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*  
Charles G. Comeau  
Title Petroleum Geologist Date 9-5-84

Subscribed and sworn to before me this 5th day of September 19 84

Notary Public Sharon Williams  
Date Commission Expires Sharon Williams



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

Form ACO-1 (7-84)

RECEIVED  
KANSAS CORPORATION COMMISSION  
9/6/84  
SEP 06 1984  
CONSERVATION DIVISION  
Wichita, Kansas

Sec. 14 Twp. 9 Rge. 17E

SIDE TWO

Operator Name Liberty Operations & Completions Lease Name Westhusin Well# 1. SEC 14 TWP 9S RGE 17  East  West

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

DST #1	Name	Top	Bottom
3212-3245 (C&D), 30-30-30-30; Initial Flow 40-40, Final Flow 40-40, Shut-In 65-57; Recovery 15' drilling mud; Blow, weak, slowly decreasing, no blow 2nd open.	shale	0'	260'
	sand and shale	260'	761'
	shale	761'	1313'
	anhydrite	1313'	1351'
DST #2	shale	1351'	1354'
3256-3295 (G), 30-30-30-30; Initial Flow 57-195, Final Flow 228-301, Shut-In 726-746; Recovery 630' muddy water; Blow, good blow throughout.	shale	1354'	1778'
	shale	1778'	1965'
DST #3	shale and lime	1965'	2164'
3402-3425 (L), 30-30-30-30; Initial Flow 24-32, Final Flow 32-32, Shut-In 89-57; Recovery 10' slightly oil cut mud; Blow, weak - died in 15 minutes, flushed tool, 2nd open, no blow.	shale and lime	2164'	2213'
	shale and lime	2213'	2526'
	shale and lime	2526'	2740'
	shale and lime	2740'	2943'
	shale and lime	2943'	3062'
DST #4	shale and lime	3062'	3165'
3424-3441 (Marmaton), 30-30-60-30; Initial Flow 16-16, Final Flow 25-33, Shut-In 617-543; Recovery 80' mud cut oil; Blow, weak, steady throughout.	shale and lime	3165'	3210'
	shale and lime	3210'	3245'
	shale and lime	3245'	3295'
	shale and lime	3295'	3297'
	shale and lime	3297'	3380'
DST #5	shale and lime	3380'	3425'
3454-3480 (Arbuckle), 30-30-60-30; Initial Flow 48-48, Final Flow 57-65, Shut-In 827-658; Recovery 10' free oil, 60' oil cut mud; Blow, weak but steady throughout.	shale and lime	3425'	3441'
	shale and lime	3441'	3470'
	arbuckle	3470'	3480'
	arbuckle	3480'	3510'

LOG TOPS

ANHYDRITE	1308 (+745)	MARMATON	3426 (-1373)
BASE/ANHYDRITE	1346 (+707)	ARBUCKLE	3446 (-1393)
TOPEKA	2927 (-874)	TOTAL DEPTH	3510 (-1457)
HEEBNER	3142 (-1089)		
TORONTO	3162 (-1109)		
LANSING/KC	3183 (-1130)		
BASE/KC	3422 (-1369)		

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"	23#	259'	60-40pos	140	2%gel 3%cc
Production	7 7/8"	5 1/2"	15.50#	3509'	60-40pos	175	3%salt
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 per 1'	3474-3477			250 gal. 15% Demulsion			3474-3477
2 per 1'	3456-3460			250 gal. 15% INS			3456-3460
2 per 1'	3428-3430 & 3414-3416			Retreat w/500 gal. 15% INS, 5% Check-er Sol.			3474-3477 & 3456-3460
				500 gal. 15% mud acid, retreat 1500 gal. ADG 200# (15% gel acid)			3428-3430 & 3414-3416
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
size 2 7/8" set at 3484.95' packer at							
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)						
9-6-84							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	25 Bbls	MCF	5 Bbls	CFPB			

Disposition of gas:  vented  sold  used on lease

METHOD OF COMPLETION  
 open hole  perforation  other (specify) \_\_\_\_\_  
 Dually Completed.  Commingled

PRODUCTION INTERVAL  
 3474-3477, 3456-3460, 3428-3430, 3414-3416