

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISIONWELL 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

Co-operator: license # 5665
 name Pioneer Drilling Company, Inc.

Wellsite Geologist Kevin Adams
 Phone 913-628-6698
 PUP "ASER" 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

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

Total Depth 3510' PBTD 3492'

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

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)

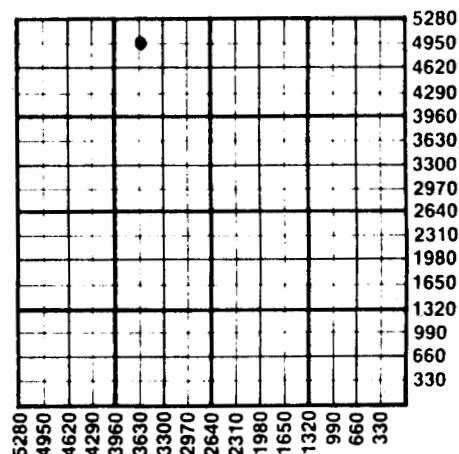
Lease Name Westhusin "B" Well# 1

Field Name

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.

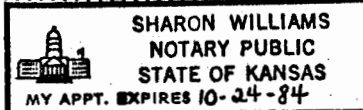
copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with partially abandoned wells.

Requirements of the statutes, rules, and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements are complete and correct to the best of my knowledge.

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

Subscribed and sworn to before me this 5th day of September 1984

Public Sharon Williams
 Commission Expires Sharon Williams



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)

Form ACO-1 (7-84)

SIDE TWO

59054

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

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		
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'	76'
shale	761'	131'
DST #2		
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.		
anhydrite	1313'	1351'
shale	1351'	1354'
shale	1354'	1778'
shale	1778'	1965'
DST #3		
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	1965'	216'
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		
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	3062'	3165'
shale and lime	3165'	3210'
shale and lime	3210'	3245'
shale and lime	3245'	3295'
shale and lime	3295'	3297'
DST #5		
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	3297'	3380'
shale and lime	3380'	3425'
shale and lime	3425'	3441'
arbuckle	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 ☒ 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"	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% Demulision			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							
size 2 7/8"		set at 3484.95'		packer at		Liner Run ☐ Yes ☒ No	
Date of First Production		Producing method					
9-6-84		☐ flowing ☒ pumping ☐ gas lift ☐ Other (explain)					
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