

SIDE ONE

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, Ks 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

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
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable

7-27-84 8-04-84 8-04-84
Spud Date Date Reached TD Completion Date

3410'
Total Depth PBTB

Amount of Surface Pipe Set and Cemented at 13 3/8" @ 84' feet
8 5/8" @ 1259'

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

Wire line log received

API NO. 15 - 163,22,444

County Rocks

SW SE NE Sec 18 Twp 7S Rge 17 East
(location) X West

2970 Ft North from Southeast Corner of Section

990 Ft West from Southeast Corner of Section

(Note: locate well in section plat below)

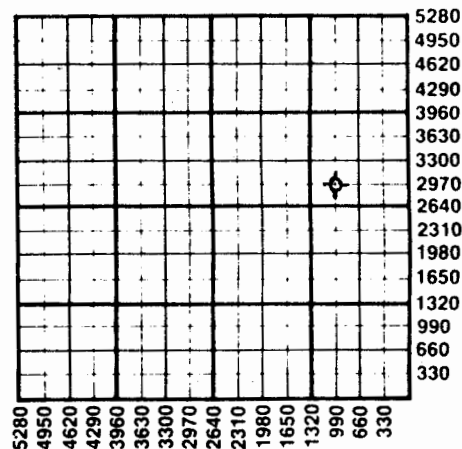
Lease Name Dix Well# 1

Field Name

Producing Formation

Elevation: Ground 1811' KB 1816'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

☐ Groundwater Ft North From Southeast Corner and
(Well) Ft West From Southeast Corner of

Sec Twp Rge ☐ East ☐ West

☒ Surface Water 2970 Ft North From Southeast Corner and
(Stream, Pond etc.) 2475 Ft West From Southeast Corner

Sec 18 Twp 7S Rge 17 ☐ East ☒ West

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

Disposition of Produced Water: ☐ Disposal
☐ Repressuring

Docket #

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.

SIDE TWO

Operator Name Liberty Operations & Completions, Inc. Lease Name Dix Well# 1 SEC 18 TWP. 7s 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

LOG TOPS		Name	Top	Bottom
Anhydrite	1248 (+568)	sand and shale	0'	85'
Base/Anhydrite	1284 (+532)	shale and sand	85'	385'
Topeka	2758 (-942)	shale and sand	385'	434'
Heebner	2967 (-1151)	shale and sand	434'	962'
Toronto	2994 (-1178)	shale	962'	1250'
Lansing	3012 (-1196)	anhydrite	1250'	1252'
Base/KC	3240 (-1424)	anhydrite	1252'	1260'
Arbuckle	3362 (-1546)	anhydrite	1260'	1284'
		shale and sand	1284'	1633'
		shale and lime	1633'	2060'
		shale and lime	2060'	2321'
		shale and lime	2321'	2434'
		shale and lime	2434'	2648'
		lime and shale	2648'	2800'
		lime and shale	2800'	284'
		lime and shale	2845'	296'
		lime and shale	2966'	3079'
		lime and shale	3079'	3157'
		lime and shale	3157'	3266'
		lime and shale	3266'	3310'
		lime and shale	3310'	3362'
		lime and shale	3362'	3376'
		arbuckle	3376'	3398'
		arbuckle	3398'	3410'
			3410'	R.T.D.

DRILLSTEM TEST #1

3242-3310 (Conglomerate); Times: 30-30-30-30; Blow: IF - strong, built to 8" in 3 minutes, then slowly decreased to 7", FF - no blow, flushed, good surge, no return blow; Pressures: IF 99-99, FF 99-99, SI 879-1007; Recovery: 100' drilling mud.

DRILLSTEM TEST #2

3368-3376 (Arbuckle); Times: 30-30-30-30; Blow: IF - strong, built to 18" in 3 minutes, FF - strong, built to 18" in 2 minutes, bled off initial shut in, no return blow; Pressures: IF 990-1019, FF 1089-1109, SI 1099-990; Recovery: 2458' salt water.

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
Conductor String	17. 1/4"	13. 3/8"	54#	84'	60-40pos	90	3%cc 2%gel
Surface Casing	12. 1/4"	8. 5/8"	24#	1259'	60-40pos	375	3%cc 2%gel
" "	"	"	"	"	Quickset	75	

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth