

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISIONWELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5562
 Name Liberty Operations & Completions
 Address 308 West Mill Inc.
 City/State/Zip Plainville, Ks 67663

Purchaser Derby Refining Company

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

Contractor: License # 5665
 Name Pioneer Drilling Company, Inc.

Wellsite Geologist Kevin E. Adams
 Phone 913-628-6698

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

1-15-85... 1-24-85... 4-20-85
 pud Date Date Reached TD Completion Date
 3710' 3638'
 Total Depth PBTD

8 5/8" @ 258'
 Amount of Surface Pipe Set and Cemented at...feet
 Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
 If yes, show depth set...feet
 If alternate 2 completion, cement circulated
 from...surface...feet depth to...900' w/ 350 SX cmt

METHOD OF COMPLETION

Disposition of gas: ☐ Vented ☐ Open Hole ☒ Perforation
☐ Solid ☐ Other (Specify)
☐ Used on Lease

One copy of all wireline logs and surveys...
 all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

API NO. 15-051-24,126

County Ellis

SE SE NE Sec. 10 Twp. 12s Rge. 17 ☐ East ☒ West

2970 Ft North from Southeast Corner of Section

330 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

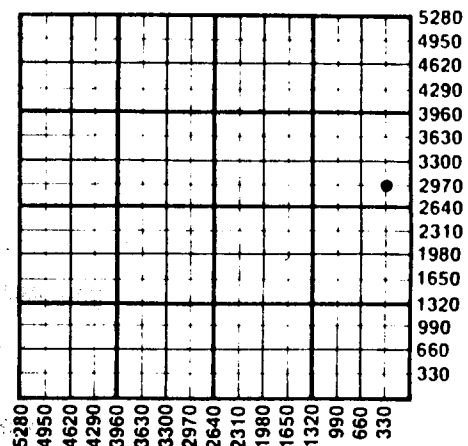
Lease Name Schmidt Well # 1

Field Name

Producing Formation Lansing/Kansas City

Elevation: Ground 2125' KB 2130'

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...Ft North from Southeast Corner
 (Stream, pond etc.) 2320 Ft West from Southeast Corner
 Sec 12 Twp 12 Rge 17 ☐ East ☒ West

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

Production Interval

3531-3535'

3552-3556'

SIDE TWO

Operator Name Liberty Operations & Completions, Inc. Lease Name Schmidt Well # 1
 Sec. 10 Twp. 12S Rge. 17 ☐ East ☒ West County Ellis

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	25 Bbls	MCF	6 Bbls	CFPB	

Drill Stem Tests Taken ☒ Yes ☐ No
 Samples Sent to Geological Survey ☐ Yes ☒ No
 Cores Taken ☐ Yes ☒ No

Formation Description
☒ Log ☐ Sample

DST #1: 3369-3422/30-60-30-30. Blow-IF fair. Rec. 135' drlg. mud, 120' mdy water. Mis-run packer failure.

DST #2: 3354-3448/30-60-60-60. Blow 1st open-fair, 2nd-fair incr. to good. IF 117-167, FF 200-251, Shut in 1107-1074. Recovered 60' mud, 250' v. sl. o and G.C. mdy. wtr.

DST #3: 3516-3584/30-30-30-30. Blow-IF weak, incr. FF good throughout. IF 88-122, FF 138-154, Shut-in 988-924. Rec. 300' G & MCO, 20' G & OCM.

Log Tops

Anhydrite	1330	(+800)
Topeka	3080	(-950)
Heebner	3319	(-1189)
Toronto	3340	(-1210)
Lansing	3365	(-1235)
Base/KC	3602	(-1472)
Arbuckle	NR	NR

Name	Top	Bottom
sand and shale	0'	260'
shale and sand	260'	1227'
sand and shale	1227'	1333'
anhydrite	1333'	1370'
shale	1370'	1590'
shale	1590'	1900'
shale	1900'	2118'
shale and lime	2118'	2335'
shale and lime	2335'	2527'
lime and shale	2527'	2609'
lime and shale	2609'	2758'
lime and shale	2758'	2958'
lime and shale	2958'	3118'
lime and shale	3118'	3225'
lime and shale	3225'	3327'
lime and shale	3327'	3422'
lime and shale	3422'	3448'
lime and shale	3448'	3507'
lime and shale	3507'	3579'
lime and shale	3579'	3586'
lime and shale	3586'	3615'
lime and shale	3615'	3667'
lime and shale	3667'	3710'
	3710'	R.T.D.

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"	20#	258'	60-40pos	145	3%cc 2%gel
Production	7 7/8"	4 1/2"	10.5#	3666'	A.S.C.	160	

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1 per ft.	3531-35'	Treated w/500 gal. M.C.A. 15%	3531-35'
1 per ft.	3552-56'		3552-56'

TUBING RECORD	Size 2 3/8"	Set At 3625'	Packer at	Liner Run ☐ Yes ☒ No
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Date of First Production 4-20-85 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain)