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 # 5562
name Liberty Enterprises, Inc.
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

Wellsite Geologist Greg Isinghoff
Phone 913-628-3503

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

API NO. 15 - 15-163-21,903-00-00

County Rooks

SE SW SW (location) Sec. 24 Twp. 7S Rge. 18W ☐ East ☒ West

330 Ft North from Southeast Corner of Section
4290 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

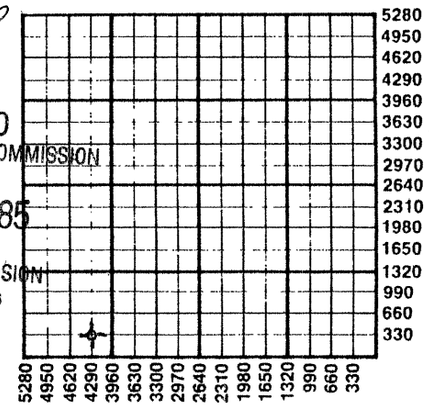
Lease Name C.F. Rupp Well# 5

Field Name

Producing Formation

Elevation: Ground 1777' KB 1782'

Section Plat



4-18-85
RECEIVED
STATE CORPORATION COMMISSION
APR 18 1985
CONSERVATION DIVISION
Wichita, Kansas

WELL HISTORY

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable

12-8-82	12-14-82	4-2-85 Plug
Spud Date	Date Reached TD	Completion Date

3360'	2798'
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 13 3/8"@ 93' 8 5/8"@ 1196 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

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 Ft North From Sourtheast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge ☐ 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.

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
Title Petroleum Geologist Date 4-16-85

Subscribed and sworn to before me this 16th day of April 19 85

Notary Public Jolene Garvert
Jolene Garvert
Date Commission Expires

JOLENE GARVERT
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 3-9-88

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)

Sec. 24 Twp. 7 Rge. 18W

Form ACO-1
(This form supercedes previous forms ACO-1 & C-10)

SIDE TWO

Operator Name .. Liberty Enterprises, Inc Lease Name C.F.. Rupp. Well# .5. SEC .24.. TWP..7S..RGE..18.... ☐ 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

Log Tops

Anhydrite	1212	(+570)
Topeka	2713	(-931)
Heebner	2922	(-1140)
Toronto	2945	(-1163)
Kansas City	2965	(-1183)
Base/KC	3189	(-1407)
Arbuckle	3320	(-1538)
TD	3360	(-1578)

DST #1
3249-3361, recovered 900' muddy salt water Initial Hyd Mud 1949, 1st Initial Fl Press 105, 1st Final Fl Press 355, Initial Cl-In Press 1152, 2nd Initial Fl Press 403, 2nd Final Fl Press 480, Final Cl-In Press 1152, Final Hyd Mud 1872.

DST #2
2737-2770, recovered 540' mud, 180' muddy water Initial Hyd Mud 1563, 1st Initial Fl Press 163, 1st Final Fl Press 298, Initial Cl-In Press 1057, 2nd Initial Fl Press 355, 2nd Final Fl Press 480, Final Cl-In Press 951, Final Hyd Mud 1515

DST #3
2737-2830, recovered 600' mud, Initial Hyd Mud 1554, 1st Initial Fl Press 192, 1st Final Fl Press 298, Initial Cl-In Press 1085, 2nd Initial Fl Press 317, 2nd Final Fl Press 413, Final Cl-In Press 1057, Final Hyd Mud 1554

Formation Description ☐ Log ☐ Sample

Name	Top	Bottom
sand	0'	94'
sand	94'	128'
sand and shale	128'	801'
sand and shale	801'	1172'
sand and shale	1172'	1205'
anhydrite	1205'	1212'
anhydrite	1212'	1240'
shales	1240'	1695'
shales	1695'	1742'
shales	1742'	1947'
shales and lime	1947'	2197'
shales and lime	2197'	2410'
lime and shales	2410'	2658'
sand and shales	2658'	2835'
shales and lime	2835'	2972'
lime and shales	2972'	3085'
shales and lime	3085'	3202'
shales and lime	3202'	3275'
arbuckle	3275'	3360'
	3360'	RTD

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	17¼"	13 3/8"	54#	93'	common	110	2%gel, 3%cc
Long Surface	12¼"	8 5/8"	24#	1196.88'	60-40 pos.	75, 375	Q-set, 3%gel 4%cc
Production	7 7/8"	4½"	10.5#	2799'	A.S.C.	100	500bbl soapflush

PERFORATION RECORD shots per foot	specify footage of each interval perforated	Acid, Fracture, Shot, Cement Squeeze Record (amount and kind of material used)	Depth
4 per 1'	2744-2746	1000 gal. 15% acid w/200,000 scf of nitrogen, non commercial	2744-2746

TUBING RECORD size set at packer at Liner Run ☐ Yes ☐ No

Date of First Production	Producing method ☐ flowing ☐ pumping ☐ gas lift ☐ Other (explain)			
Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB / Gravity

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

Disposition of gas: ☐ vented ☐ sold ☐ used on lease

PRODUCTION INTERVAL

NOTARY PUBLIC STATE OF KANSAS