

SIDE ONE

17-6-20W
Ind

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, Inc.
Address 308 West Mill
City/State/Zip Plainville, Ks 67663

Purchaser.....

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

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

Wellsite Geologist Greg Issinghoff
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 **OWO**: old well info as follows:

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

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

9-09-85 9-14-85 ? Applying for
..... SWD

Spud Date Date Reached TD Completion Date

3760'

Total Depth PBTD

260.58'

Amount of Surface Pipe Set and Cemented at.....feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set.....1743'.....feet

If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt

Cement Company Name Allied Cementing Co., Inc.

Invoice # 44184

API NO. 15-163-22,710

County.....Rooks

SE SE SE Sec. 17 Twp. 6S Rge. 20 East
..... West

330..... Ft North from Southeast Corner of Section
330..... Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

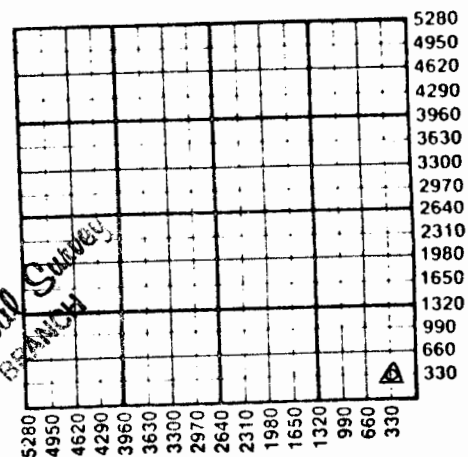
Lease Name.....Freeman Well #.....1

Field Name.....

Producing Formation.....

Elevation: Ground.....2223.....KB.....2228

Section Plat



DEC 30 1985
State Geological Survey
WICHITA BRANCH

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.....990 Ft North from Southeast Corner
(Stream, pond etc.).....330 Ft West from Southeast Corner

Sec 3 Twp 7S Rge 20 East X West

Other (explain).....

(purchased from city, R.W.D. #)

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. Rule 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 Freeman Well #... 1

Sec..... 17 Twp..... 6S Rge..... 20 ☐ East ☒ West County..... Rooks

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

Anhydrite	1838	(+390)
Topeka	3240	(-1012)
Heebner	3438	(-1210)
Toronto	3460	(-1232)
Lansing/KC	3472	(-1244)
Base/KC	3669	(-1441)
Arbuckle	3707	(-1479)
Total Depth	3760	(-1532)

Name	Top	Bottom
sand and shale	0'	261'
shale and sand	261'	1360'
shale and sand	1360'	1841'
anhydrite	1841'	1872'
shale	1872'	1980'
shale	1980'	2150'
shale and lime	2150'	2270'
shale	2270'	2540'
shale and lime	2540'	2796'
shale and lime	2796'	2980'
lime and shale	2980'	3195'
lime and shale	3195'	3335'
lime and shale	3335'	3425'
lime and shale	3425'	3550'
lime and shale	3550'	3670'
	3670'	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#	260.58'	60-40pos	160	2%gel 3%cc
Production	7 7/8"	4 1/2"	10.5#	3752.81'	60-40pos	175	8%salt 5%gil sonite 8
	"	"	"	"	50-50pos	350	10%gel 2%gel

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/foot	3706-3712'	250 gal 15% I.N.S. retr. w/	
		750 gal 15% D.F.E. 5% checker	-sol
4/foot	3706-3710'	500 gal 15% I.N.S. retr. w/	
		750 gal 15% D.F.E. 5% checker	-sol, retr.
Continued on Attached Sheet		w/500 gal 15% I.N.S. retr. w/	1500 gal 15%
		D.F.E. 5% checker-sol	

TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☐ No
Date of First Production	Producing Method			☐ Flowing ☐ Pumping ☐ Gas Lift ☒ Other (explain)..... SWD	