

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 OWWO: 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 PBDT

Amount of Surface Pipe Set and Cemented at 260.58'
Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1743'
If alternate 2 completion, cement circulated from...feet depth to...w/...SX cmt

Cement Company Name Allied Cementing Co., Inc.
Invoice # 44184

API No. 15-163-22,710-00-01

County Rooks

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

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

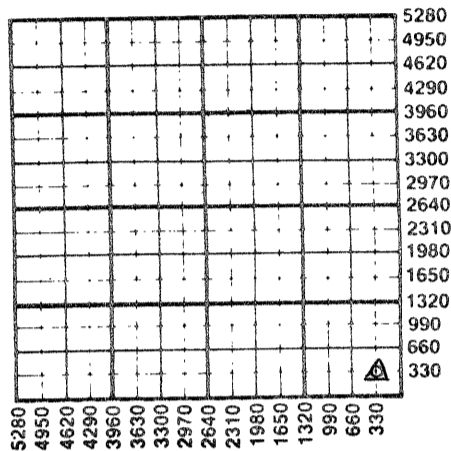
Lease Name Freeman Well # 1

Field Name

Producing Formation

Elevation: Ground 2223 KB 2228

Section Plat



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
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.

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

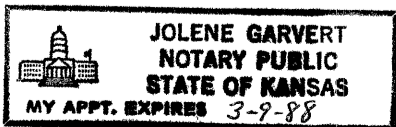
Title Petroleum Geologist Date 12-24-85

Subscribed and sworn to before me this 24th day of December 1985

Notary Public Jolene Garvert

Date Commission 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)



STATE CORPORATION COMMISSION Form ACO-1 (7-84)

DEC 26 1985
12-26-85
CONSERVATION DIVISION

Sec. 17 Twp. 6. Roe. 20 W

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)

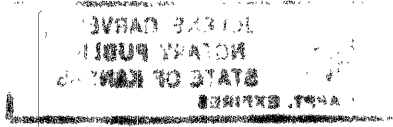
Name	Top	Bottom
sand and shale	0'	261'
shale and sand	261'	1360'
shale and sand	1360'	1841'
anhydrite	1841'	1872'
shale	1872'	1980'
shale	1980'	2150'
shale and lime	2150'	2270'
shale	2270'	2540'
shale and lime	2540'	2796'
shale and lime	2796'	2980'
lime and shale	2980'	3195'
lime and shale	3195'	3335'
lime and shale	3335'	3425'
lime and shale	3425'	3550'
lime and shale	3550'	3670'
shale and sand	3670'	R.T.D.

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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%gilsonite & 2%gel
	"	"	"	"	50-50pos	350	10%gel
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/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. w/ 500 gal 15% I.N.S. retr. w/ 1500 gal 15% D.F.E. 5% checker-sol			
Continued on Attached Sheet							
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (explain)..... SWD						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled



(Perforations Continued)

4/foot	3708-3716'	1500 gal 15% D.F.E. 5% checker-sol retr. 2000 gal 15% N.E.
2½/foot each	3621-3623', 3512-3514', 3461-3463'	500 gal 15% mud acid, retr. w/500 gal 15% mud acid

COMPLICATIONS - CONVERTING INTO SALTWATER DISPOSAL WELL

STATE OF MISSISSIPPI
STATE GEOLOGICAL COMMISSION

DEC 26 1985

OFFICE OF THE COMMISSIONER
Tulsa, Oklahoma