

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 Inc.
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 Keyin 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 OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

11-09-84 11-19-84 11-19-84
Spud Date Date Reached TD Completion Date

3910' PBD
Total Depth

Amount of Surface Pipe Set and Cemented at 275' 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

API NO. 15-065-22,086-00-00

County Graham

SE, SE, SE Sec. 9 Twp. 7 S Rge. 22 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)

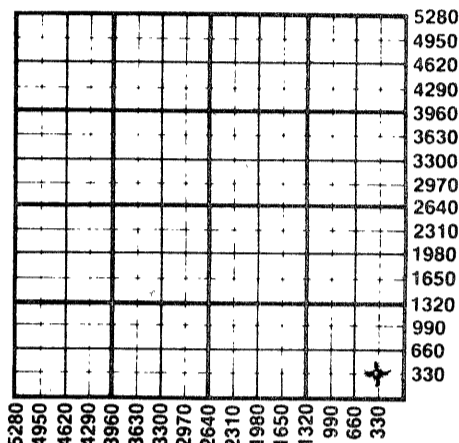
Lease Name Worcester "A" Well # 1

Field Name

Producing Formation

Elevation: Ground 2288 KB 2293

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: farm pond

Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner Sec Twp Rge East West

Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East 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 11-4-84

Subscribed and sworn to before me this 4th day of December 1984

Notary Public Jolene Garvert

Date Commission Expires 3-9-88

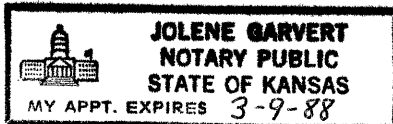
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
RECEIVED (Specify)
STATE CORPORATION COMMISSION

DEC 05 1984

Form ACO-1 (7-84)

CONSERVATION DIVISION
Wichita, Kansas

12-5-84



Sec. 9 Twp. 7 S Rge. 22 E

SIDE TWO

Operator Name Liberty Operations & Completions Inc. Lease Name Worcester A Well # 1

Sec. 9 Twp. 7S Rge. 22 East West County Graham

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

DST #1: 3492-3531', 30-30-30-30. Blow-strong throughout test. IF 130-350, FF 423-545, Shut-in 1078-1062. Rec. 10' clean oil, 1080' slightly oil cut muddy water.

DST #2: 3550-3581', 30-30-30-30. Blow-weak, increasing to good throughout test. IF 73-260, FF 333-423, Shut-in 1037-1029. Recovered 870' muddy water.

DST #3: 3800-3856', 30-30-30-30. Blow-IF weak, slowly decreasing, FF weak, died in 18 min. flushed tool, no return. IF 50-58, FF 58-66, Shut-in 175-91. Recovered 30' oil cut mud.

Name	Top	Bottom
sand and shale	0'	284'
sand and shale	284'	1397'
sand and shale	1397'	1877'
anhydrite	1877'	1911'
shales	1911'	2090'
shales	2090'	2305'
shales	2305'	2346'
shale and lime	2346'	2588'
lime and shale	2588'	2798'
lime and shale	2798'	3030'
lime and shale	3030'	3226'
lime and shale	3226'	3373'
lime and shale	3373'	3473'
lime and shale	3473'	3531'
lime and shale	3531'	3558'
lime and shale	3558'	3581'
lime and shale	3581'	3587'
lime and shale	3587'	3679'
lime and shale	3679'	3752'
lime and shale	3752'	3805'

Log Tops

Anhydrite	1877	(+416)
Topeka	3282	(-989)
Heebner	3484	(-1191)
Toronto	3508	(-1215)
Lansing/KC	3524	(-1231)
Base/KC	3714	(-1421)
Arbuckle	3844	(-1551)

CASING RECORD New Used (Continued)

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#	275'	60-40pos	170	2%gel 3%cc

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
.....
.....
.....
.....

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
.....

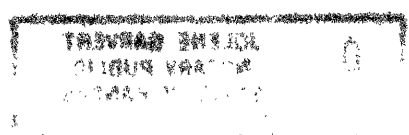
Date of First Production	Producing Method
.....	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....

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





Formation (continued)

lime and shale	3805'	3856'
lime and shale	3856'	3894'
lime and shale	3894'	3910'
	3910'	R.T.D.