

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 and Completions
Address 308 W. Mill
City/State/Zip Plainville, Ks. 67663

Purchaser

Operator Contact Person Roger L. Comeau
Phone 913 - 434-4686

Contractor: License # 8241
Name Emphasis Oil Operations

Wellsite Geologist Chris Mraz
Phone (913) - 434-4686

Designate Type of Completion

New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OMWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

2-17-88 2-24-88 2-24-88
Spud Date Date Reached TD Completion Date

3765'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 229 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
Cement Company Name
Invoice #

API NO. 15-163-22-982
County Rooks
SW SW SE Sec. 17 Twp 6S Rge 20 East
West

330 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

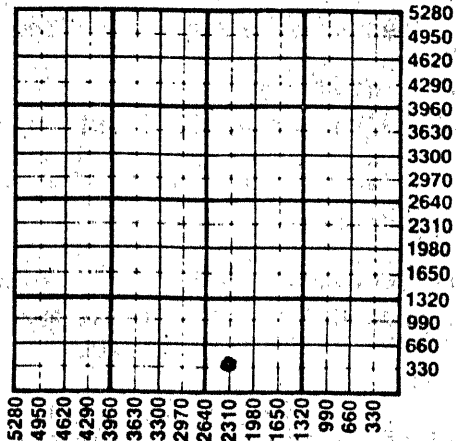
Lease Name Freeman A Well # 1

Field Name

Producing Formation

Elevation: Ground 2224' KB 2229'

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 1980 Ft North from Southeast Corner
(Stream, pond etc) 4620 Ft West from Southeast Corner
Sec 9 Twp 7S Rge 20 East West

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

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 Ryan J. Erwin

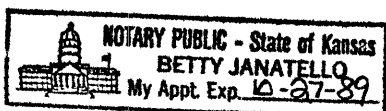
Title President Date 3-30-88

Subscribed and sworn to before me this 30th day of March 1988

Notary Public Betty Janatello

Date Commission Expires 10-27-89

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
4-7-88
Form ACO-1 (5-86)



APR - 7 4-7-88

STATE CORPORATION COMMISSION

Sec 17 Twp 6Rge 20

SIDE TWO

Operator Name Liberty Operations and Completions Lease Name Freeman A 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

DST #1: 3668'-3701' 30-30-10-0(Marmaton). 1st. open-weak blow, died after 20 minutes. 2nd open - no blow, flush tool, no help, out of hole. Recovered 5' drilling mud. IFP: 41-41 ISP: 209 FFP: 50-50.
 DST #2: 3668-3724"(Arbuckle). 1st. open-weak steady blow. 2nd. open-weak decreasing blow. Recovered 70' heavy oil cut mud. 60-60-30-60. ISP: 451# FSP: 409# IFP: 50-58 FFP: 66-75.
 DST #3: 3368-3729' (Arbuckle). 60-60-30-60. 1st. open weak slowly increasing blow. 2nd. open-weak steady blow. Recovered 80' heavy oil cut mud. ISP: 476# FSP: 451# IFP: 75-83 FFP: 91-100.

Name	Top	Bottom
Top Soil, Sand & Clay	0'	to 234'
Shale	234'	to 1045'
Dakota Sand	1045'	to 1080'
Red Bed	1080'	to 1348'
Cedar Hills	1348'	to 1566'
Red Bed	1566'	to 1842'
Anhydrite	1842'	to 1873'
Shale	1873'	to 2800'
Shale & Lime	2800'	to 3710'
Top Arbuckle	3710'	to 3711'
R.T.D.		3765'

Anhydrite	1838 (+391)	Marmaton	3687 (-1458)
Anhydrite/Base	1870 (+359)	Arbuckle	3708 (-1479)
Topeka	3236 (-1007)		
Heebner	3439 (-1210)		
Toronto	3461 (-1232)		
Lansing/KC	3473 (-1244)		
Base/KC	3669 (-1440)		

RELEASED

5-9-89
 MAY 09 1989

FROM CONFIDENTIAL

CASING RECORD <input 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	12 1/4	8 5/8	80#	229	60-40 102	150	Quick Set	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record				
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth	
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 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