

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 Kevin 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
3-02-85 3-08-85 3-08-85
Spud Date Date Reached TD Completion Date
3750'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 8 5/8" @ 265' 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. 15-163-22,638
County Rooks
NW SW NE Sec. 21 Twp 6S Rge. 20 East West

3630 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

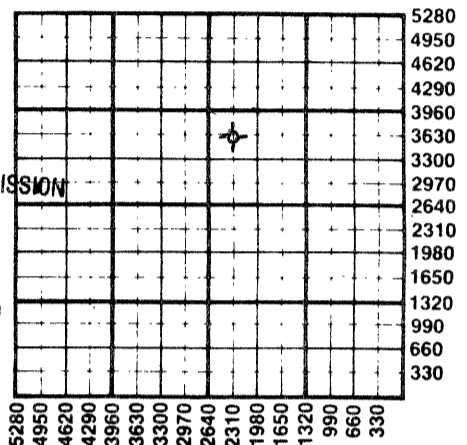
Lease Name Harmon Well # 1

Field Name.....

Producing Formation.....

Elevation: Ground 2196' KB 2201'

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: Farm Pond
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.....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. #)

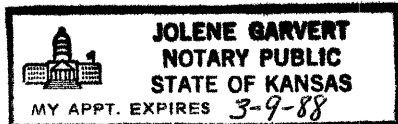
INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.
Information on side two of this form will be held 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 3-18-85

Subscribed and sworn to before me this 18th day of March 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)



See 1. Twp. 6. Rge. 20W

SIDE TWO

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

Sec 21 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: 3656-3695'/60-60-20-30. Blow-1st Open weak throughout, 2nd Open no blow flushed twice, no return. IF 33-33, FF 44-44, Shut-in 895-724. Recovered 10' drilling mud

Log Tops

Anhydrite	1809	(+392)
Topeka	3221	(-1020)
Heebner	3423	(-1222)
Toronto	3446	(-1245)
Lansing/KC	3460	(-1259)
Base/KC	3656	(-1455)
Arbuckle	3686	(-1485)

Name	Top	Bottom
shale and sand	0'	266'
sand and shale	266'	1325'
sand	1325'	1430'
sand	1430'	1535'
shale	1535'	1816'
anhydrite	1816'	1847'
shales	1847'	1857'
shale and lime	1857'	2187'
shale and lime	2187'	2480'
shale and lime	2480'	2787'
lime and shale	2787'	3001'
lime and shale	3001'	3174'
lime and shale	3174'	3307'
lime and shale	3307'	3401'
lime and shale	3401'	3499'
lime and shale	3499'	3595'
lime and shale	3595'	3685'
lime and shale	3685'	3695'
lime and shale	3695'	3700'
lime and shale	3700'	3750'
	3750'	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#	265'	20#	180	2%gel 3%cc
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
	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

