

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 Derby Refining Company

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 OWMO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
3-22-85 3-28-85 4-23-85
Spud Date Date Reached TD Completion Date
3430' 3436'
Total Depth PBDT
8 5/8" @255'
Amount of Surface Pipe Set and Cemented at...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. 15-051-24,200-00-00
County Ellis
5' from C SW NE
Sec 22 Twp 11 S Rge 17 East West

3300 Ft North from Southeast Corner of Section
1980 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Beach "E" Well # 1-X

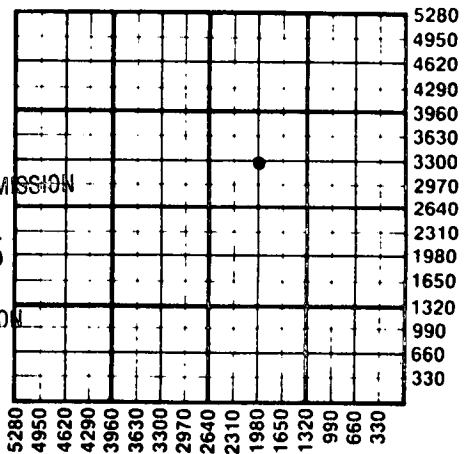
Field Name Bemis-Shutts

Producing Formation Arbuckle

Elevation: Ground 1930' KB 1935'

Section Plat

RECEIVED
APR 29 1985
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas



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

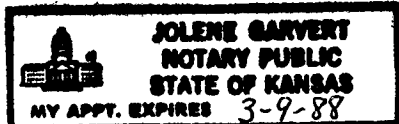
Source of Water:
Division of Water Resources Permit #
 Groundwater 300 Ft North from Southeast Corner
1320 Ft West from Southeast Corner of
Sec 11 Twp 11 Rge 17 East West
 Surface Water...Ft North from Southeast Corner
(Stream, pond etc)...Ft West from Southeast Corner
Sec Twp Rge East West
 Other (explain) (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 4-26-85

Subscribed and sworn to before me this 26th day of April 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)

Sec. 22 Twp. 11 Rge. 17 W

Operator Name Liberty Operations & Completions, Inc. Lease Name Beach "E" Well # 1-X

Sec. 22 Twp. 11S Rge. 17 East West County Ellis

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: 3113-3175'/30-30-30-30. Strong blow both opens. IHP 1685, IFP 260-504, ISIP 730, FFP 537-617, FSIP 714, FHP 1671. Recovered 1170' water.

Name	Top	Bottom
shale and sand	0'	257'
shale and sand	257'	350'
shale and sand	350'	1110'
shale and sand	1110'	1143'
anhydrite	1143'	1182'
sand and shale	1182'	1576'
sand and shale	1576'	2005'
shale	2005'	2164'
shale	2164'	2386'
lime and shale	2386'	2580'
lime and shale	2580'	2800'
lime and shale	2800'	2960'
lime and shale	2960'	3090'
lime and shale	3090'	3175'
lime and shale	3175'	3223'
lime and shale	3223'	3353'
lime and shale	3353'	3409'
lime and shale	3409'	3430'
	3430'	R.T.D.

LOG TOPS

Anhydrite	1143	(+792)
Topeka	2845	(-910)
Heebner	3082	(-1147)
Toronto	3105	(-1170)
Lansing/KC	3128	(-1193)
Base/KC	3363	(-1428)
Arbuckle	3423	(-1488)

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#	255'	60-40 pos	145	2%gel 3%cc
Production	7 7/8"	5 1/2"	14#	3428'	50-50 pos	400	6%gel
"	"	"	"		common	75	10%salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
cemented off	3394-96'			treated 250 gal. intensified acid		3394-96'	
total of 5	3433-35' (with frac jets)			200 gal. 15% I.N.S. treated w/250 gal intensified acid, retreated w/1000 gal. 15%		3433-35'	
TUBING RECORD		Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2 7/8"	3400'				
Date of First Production		Producing Method					
4-23-85		<input type="checkbox"/> Flowing <input checked="" 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	
7 Bbls			MCF	900 Bbls		CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) 3427-3436' Used on Lease Dually Completed Commingled

