

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

City/State/Zip Plainville, Kansas 67663

Operator Contact Person Charles G. Comeau
Phone 913-434-4686

Contractor: license # 5665
name Pioneer Drilling Company, Inc.

Wellsite Geologist Pat Balthazor
Phone 913-625-8114

Purchaser Derby Refining Company
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

6-12-84 6-19-84 7-19-84
Spud Date Date Reached TD Completion Date

3744' 3530'
Total Depth PBTB

Amount of Surface Pipe Set and Cemented at 8.5/8" @ 209' 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

pumped 350 sx 50/50 poz, 6% gel with 6 sx
cotton seed hulls down annulus

API NO. 15 - 15-051-23,888 - 0000

County Ellis

SE NW NE Sec 36 Twp 11s Rge 19
(location) East West

4290' Ft North from Southeast Corner of Section
1650' Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

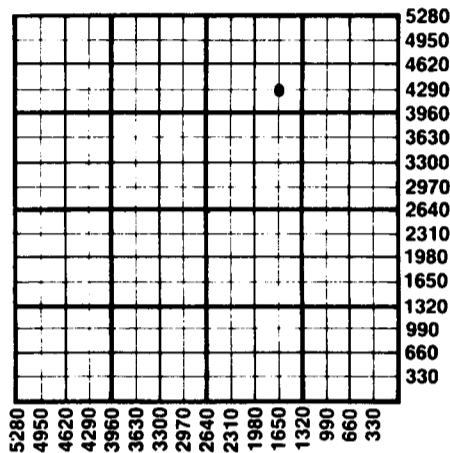
Lease Name Johnson Well# 4

Field Name RIVERVIEW W

Producing Formation Kansas City

Elevation: Ground 2037' KB 2042'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # NA

Groundwater Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of
Sec Twp Rge East West

Surface Water 3960 Ft North From Southeast Corner and
(Stream, Pond etc.) 1320 Ft West From Southeast Corner
Sec 16 Twp 12S Rge 19 East West

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

Disposition of Produced Water: Disposal Repressuring

Docket # D-23,186

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. Rules 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.

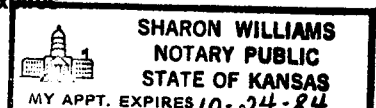
All requirements of the statutes, rules, and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Charles G. Comeau

Title Petroleum Geologist Date 7-19-84

Subscribed and sworn to before me this 19th day of July 1984

Notary Public Sharon Williams



RECEIVED STATE CORPORATION COMMISSION 7-24-84 JUL 24 1984 CONSERVATION DIVISION Wichita, Kansas

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)

Form ACO-1 (This form supercedes previous forms ACO-1 & C-10)

Sec 36 Twp 11 Rge 19 W

Operator Name Liberty Operations & Completions, Inc. Lease Name Johnson Well# 4 SEC. 36 TWP. 11 SRGE. 19 East West

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 1392 (+750)
 TOPEKA 3063 (-1021)
 HEEBNER 3290 (-1248)
 TORONTO 3310 (-1268)
 LANSING/KC 3331 (-1289)
 BASE/KC 3568 (-1536)
 ARBUCKLE Not Reached

DST #1

3337-3400, 30-30-60-30
 Recovered 60' GIP, 120' oil & wtr cut mud (20% oil, 5% water), 180' SH oil cut wtry mud (5% oil, 20% wtr)
 IFP 105-130, FFP 146-211, BHP 722-706

DST #2

3448-3522, 30-30-30-30
 Recovered 90' wtry mud
 IFP 65-73, FFP 81-89, BHP 932-916

Name	Top	Bottom
sand and shale	0'	60'
sand and shale	60'	210'
shales and sand	210'	1275'
shale and sand	1275'	1384'
anhydrite	1384'	1425'
shale and sand	1425'	1610'
shale	1610'	1960'
shale and lime	1960'	2194'
shale and lime	2194'	2397'
lime and shale	2397'	2627'
lime and shale	2627'	2681'
lime and shale	2681'	2775'
lime and shale	2775'	2955'
lime and shale	2955'	3174'
lime and shale	3174'	3225'
lime and shale	3225'	3285'
lime and shale	3285'	3394'
lime and shale	3394'	3400'
lime and shale	3400'	3418'
lime and shale	3418'	3518'
lime and shale	3518'	3522'
lime and shale	3522'	3609'
lime and shale	3609'	3735'
lime, shale and chert	3735'	3744'
	3744'	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 Production	12 1/4" 7 7/8"	8 5/8" 4 1/2"	20# 10.5#	209' 3663'	60-40pos 60-40pos	110 150	2%gel. 3%cc 3%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
2 per 1'	3627-3637			500 gal. 15% mud acid			3627-3637
2 per 1'	3596-3600			750 gal. 15% mud acid			3514, 3505, 3487
1 each @	3514, 3505, 3487			1000 gal. 15% demulsion, retreat			
5 each @	3412, 3408, 3384, 3363			with 3000 gal. 15% C.R.A.			3412, 3408, 3384, 3363
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
size 2 3/8" set at 3510' packer at							
Date of First Production	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
7-19-84							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	10 Bbls	MCF	40 Bbls	CFPB			

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION open hole perforation other (specify)

PRODUCTION INTERVAL 3363-3514

Dually Completed. Commingled

EMERSON
 SINGAR
 SAGAN

