

27-6-20W

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, Ks 67663

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

Contractor: license # 5665
name Pioneer Drilling Company

Wellsite Geologist Kevin Adams
Phone 628-6698

PURCHASER Farmland Industries, Inc.

Design 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
8-06-84 8-15-84 9-20-84
Spuc a Date Reached TD Completion Date
3710' 3677'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 8 5/8" @ 260' feet
Multiple Stage Cementing Collar Used? Yes No
If Yes, Show Depth Set feet

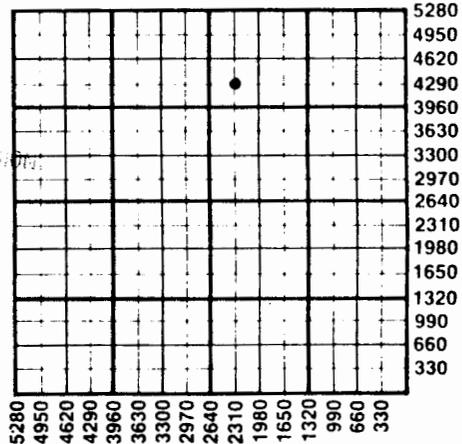
If alternate 2 completion, cement circulated from 1580 feet depth to surface w/ 350 SX cmt

*were two log received
drillers time log received*

API NO. 15-163-22,382
County Rooks
SW NW NE Sec 27 Twp 6S Rge 20 East X West
(location)
4290 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

Lease Name Lela Well# 1
Field Name
Producing Formation Kansas City
Elevation: Ground 2147' KB 2152'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North From Southeast Corner and Ft. West From Southeast Corner of Sec Twp Rge East West
 Surface Water 330 Ft North From Southeast Corner and (Stream, Pond etc.) 1980 Ft West From Southeast Corner Sec 20 Twp 6S Rge 20 East West
 Other (explain) (purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring
Docket #

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.

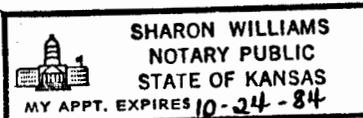
Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months.

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 partially abandoned wells.

OCT 19 1984

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 of Charles G. Comeau
Title Petroleum Geologist Date 9-26-84
Subscribed and sworn to before me this 26th day of September 1984
Notary Public Sharon Williams
Commission Expires Sharon Williams



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 27 Twp 6S Rge 20W

Operator Name **Liberty Operations & Completions** Lease Name **Lela** Well# **1** SEC **27** TWP **6S** RGE **20** 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 1754 (+398)
 BASE/ANHYDRITE 1785 (+367)
 TOPEKA 3158 (-1006)
 HEEBNER 3358 (-1206)
 TORONTO 3381 (-1229)
 LANSING/KC 3396 (-1244)
 BASE/KC 3598 (-1446)
 ARBUCKLE 3654 (-1502)

Name	Top	Bottom
shale	0'	48'
shales	48'	261'
shale	261'	1167'
shale and sand	1167'	1754'
anhydrite	1754'	1785'
shale	1785'	1822'
shales	1822'	2335'
shales	2335'	2343'
lime and shale	2343'	2479'
lime and shale	2479'	2724'
lime and shale	2724'	2940'
lime and shale	2940'	3145'
lime and shale	3145'	3283'
lime and shale	3283'	3363'
lime and shale	3363'	3408'
lime and shale	3408'	3434'
lime and shale	3434'	3460'
lime and shale	3460'	3484'
lime and shale	3484'	3555'
lime and shale	3555'	3630'
lime and shale	3630'	3650'
lime and shale	3650'	3664'
lime and shale	3664'	3710'
	3710'	R.T.D.

DST #1: 3306-3363, 30-30-30-30; IF 49-158, FF 188-238, SH-IN 1135-1125; Blow, IF-strong, built to 18" in 11 min. FF-strong return, built to 18" in 15 min; Rec. 120' water mud, 450' water, 20' heavy oil specked mud

DST #2: 3366-3408, 30-30-30-30; IF 39-39, FF 49-49, SH-IN 1125-1076; Blow, IF-good surge, fair blow, built to 2" in 30 min, FF-fair return, stayed steady at 2" through 30 min; Rec. 40' drilling mud with trace of oil.

DST #3: 3443-3460, 30-30-60-30; IF 39-39, FF 49-49, SH-IN 911-763; Blow, IF-good surge fair blow, built to 3" in 30 min., FF-good return, built to 8" in 60 min; Rec. 20' free oil, 80' heavy oil cut mud, 120' gas in pipe.

DST #4: 3540-3555, 30-30-60-45; IF 19-19, FF 29-29, SH-IN 771+-899; Blow, IF-good surge, mild blow built to 3" in 30 min, FF-good return, built to 5" in 60 min. Rec. 5' clean oil, 55' heavy oil cut mud.

DST #5: 3625-50, 30-30-30-30, IF 39-39, FF 39-39, SH-IN 49-39; Blow, IF-weak, 1/2" decreased to near surface in 30 min, FF-no return blow; Rec. 5' oil specked drilling mud.

DST #6: 3656-3664, 30-30-60-30, IF 09-09, FF 19-19, SH-IN 811-574; Blow, IF-weak built to 1/2" in 30 min, FF-weak surface blow, stayed steady throughout. Rec. 15' drilling mud.

CASING RECORD new 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#	260'	60-40pos	140	2%gel 3%cc
Production	7. 7/8"	4. 1/2"	10.50#	3685.16'	A.S.C.	150	

PERFORATION RECORD

shots per foot specify footage of each interval perforated

shots per foot	specify footage of each interval perforated	Acid, Fracture, Shot, Cement Squeeze Record (amount and kind of material used)	Depth
2 per 1'	3584-85, 3564-65, 3550-51	750 gal. 15% mud acid, retreat with.	3584-85, 3564
2 per 1'	3478-79, 3468-69, 3455-56	3000 gal. 15% gel acid	65, 3550-51
2 per 1'	3399-3400, 3383-84	750 gal. 15% mud acid, retreat with.	3478-79
4 @	1580' Dakota squeeze perfs	3000 gal. 15% A.O.G.	69, 345
		2500 gal. 15% Non. E. w/500# Benzotic & salt plug	3399-34, 3383-84

TUBING RECORD

size 2 3/8" set at 3672.91' packer at Liner Run Yes No

Date of First Production

Producing method

flowing pumping gas lift Other (explain)

9-20-84

Estimated Production Per 24 Hours

Oil	Gas	Water	Gas-Oil Ratio	Gravity
8 Bbls	MCF	35 Bbls	CFPB	

METHOD OF COMPLETION

Disposition of gas: vented sold used on lease
 open hole perforation other (specify)
 Dually Completed Commingled

PRODUCTION INTERVAL

3383-3585