

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 5135  
Name: John O. Farmer, Inc.  
Address P.O. Box 352  
Russell, KS 67665  
City/State/Zip  
Purchaser: Farmland Industries, Inc.  
Operator Contact Person: John O. Farmer III  
Phone (913) 483-3144  
Contractor: Name: \_\_\_\_\_  
License: \_\_\_\_\_  
Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: John O. Farmer, Inc.  
Well Name: Novotny #1  
Comp. Date 11-10-93 Old Total Depth 4790'  
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back 4600'  PBD  
 Cemented  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
6-27-94 6-29-94  
~~Start~~ Date OF START Date Reached TD Completion Date OF WORKOVER WORKOVER

API NO. 15- 151-22,110-00-01 ORIGINAL  
County Pratt  
SE SW SE Sec. 21 Twp. 29S Rge. 13  <sup>E</sup>W  
330 Feet from (S)W (circle one) Line of Section  
1650 Feet from (E)W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, (SE), NW or SW (circle one)  
Lease Name Novotny Well # 1  
Field Name Jem  
Producing Formation Viola  
Elevation: Ground 1931' KB 1936'  
Total Depth 4790' PBD 4600'  
Amount of Surface Pipe Set and Cemented at 278 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cnt.

Drilling Fluid Management Plan REWORK of # 1-13-95  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite:  
\* NA  
Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter Sec. Twp. S Rng. E/W  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 John O. Farmer III  
Title President Date 8-18-94  
Subscribed and sworn to before me this 18th day of August, 19 94.  
Notary Public Margaret A. Schulte  
Margaret A. Schulte  
Date Commission Expires \_\_\_\_\_

NOTARY PUBLIC - State of Kansas  
MARGARET A. SCHULTE  
My Appt. Exp. 1-27-97

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
DISTRIBUTION  
 KCC  SWD/Rep  
 KGS  Plug  Other  
(Specify)  
RECEIVED  
STATE CORPORATION COMMISSION  
AUG 18 1994  
CONSERVATION DIVISION  
WICHITA, KANSAS

Operator Name John O. Farmer, Inc.

Lease Name Novotny Well # 1

Sec. 21 Twp. 29S Rge. 13

East  
 West

County Pratt

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  
(Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy.)

List All E.Logs Run:

Log Formation (Top), Depth and Datum  Sample  
Name Top Datum

\* Information furnished on original 1-19-94 ACO-I.

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	12-1/4"	10-3/4"	32#	278'	60/40 Pozmix	200	3% C.C., 2% gel
Production	7-7/8"	5-1/2"	15.5#	4788'	EA2	200	10% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				
	A cast iron bridge plug was set @ 4600'.			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	Viola 4530-46' (16')	1500 gals. 15% FE acid	4530-46'
4 SPF	4633'-4637'		

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-7/8"	4591'	--		
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
June 30, 1994					
Estimated Production Per 24 Hours	Oil 48 Bbls.	Gas -- Mcf	Water 2 Bbls.	Gas-Oil Ratio	Gravity 34°

Disposition of Gas: N/A  
 Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify) \_\_\_\_\_

Production Interval  
4530-46 (16')

NOVOTNY #1

Recompletion Prognosis

ORIGINAL

Well Data

5 1/2" @ 4788' cemented with 200 sacks  
CTTD @ 4740'  
Perforations 4633-37

API#15-151-22110-0001

Rework Objective

This well is currently producing 20 BOPD + 80 BWPD from the Simpson Sand. At this time we do not have a saltwater disposal well and the water is being trucked at a cost of \$1700 per month. The Viola zone should produce water free. We can re-open the Simpson Sand at a later date, after we develop a saltwater disposal well.

Suggested Procedure

1. Move in and rig up double drum unit. Remove rods and tubing.
2. Test the tubing.
3. Jet perforate the Viola from 4530-46 (16') with 2 SPF.
4. Set bridge plug at 4550'.
5. Swab test the Viola through the casing.
6. Run tubing with RTTS, set RTTS at 4500'.
7. Acidize the Viola with 1500 gallons 15% Fe acid.
8. Swab test and evaluate.
9. Remove tubing with RTTS.
10. Run rods and tubing.
11. Put on the pump.

REWORK COST ESTIMATE

Pulling Unit	\$ 3,500.00
Test Tubing	\$ 500.00
Acid	\$ 2,000.00
Water Truck	\$ 500.00
RTTS	\$ 1,200.00
Perforating & BP	\$ 3,000.00
Supervision	\$ 1,200.00
Miscellaneous	\$ 500.00
TOTAL	\$ 12,400.00

## NOVOTNY #1 RECOMPLETION

ORIGINAL

Monday, June 27, 1994

API# 15-151-22110-0001

Moved in and rigged up Messick Well Service's double drum derrick. Rigged up and removed rods and pump. Rigged for tubing, released tubing anchor and pulled tubing. Rigged up Mercury Wireline and perforated (Viola zone) from 4530-46', 16', 2 SPF. Ran in cast iron bridge plug and set plug @ 4600'. Tested tubing - found 23 jts. badly pitted or bad threads. Rigged up casing swab and swabbed well into swab tank. The fluid level was 3100' when the plug was set. Swabbed well dry. Shut down. Recovered 38 bbls. fluid.

Tuesday, June 28, 1994

Overnight fill-up - 400' oil. Casing pressure - 100#. Swabbed well down. Rigged for tubing and ran Reinhardt's packer to a depth of 4558'. Tagged fluid with swab. Hooked up Halliburton pump truck and spotted 2 bbls. acid. Pulled tubing and set packer @ 4505'. Acidized Viola zone with 1500 gals. 15% FE acid @ 5.5 BPM - 800# pressure. ISIP - zero. Went on a vacuum in 30 seconds. Total load pumped 68 bbls. fluid. Waited on Orbit Valve for tubing. Acid set 2 hrs. Started to swab through tubing. Well started flowing after three swab pulls. Flowed 56 bbls. fluid in 1 hour. Flowed total of 67 bbls. Shut well in.

Wednesday, June 29, 1994

Tubing pressure - 550#. Operated Orbit Valve to blow well down. Flowed 26 bbls. oil in 1-1/2 hrs. Loaded annulus with salt water. Hooked up Gee Oil Service's pump truck on to tubing and pumped 60 bbls. water down the tubing to kill well. Released packer and pulled tubing while running water down annulus. Removed packer and reran tubing as follows:

15' mud anchor  
 3' perforation  
 1' seating nipple  
 2 jts. 2-7/8" 8rd EUE tubing  
 2-1/2 x 5-1/2" Baker tubing anchor - sets to left, releases to right  
 150 jts. 2-7/8" 8rd EUE tubing  
 1 - 2-7/8" x 3', 6', 8', tubing subs  
 Tubing is landed 9' off bottom  
 Anchor is set with 18" stretch in tubing

Pump and Rods:

2-1/2 x 1-1/2 x 12' RWB hollow rod pump with 12' gas anchor  
 3/4" x 2' rod sub with spiral guide  
 100 - 3/4" sucker rods  
 81 - 7/8" sucker rods  
 1-1/4" x 16' polish rod with 8' polish rod liner

Released double drum unit.

RECEIVED  
STATE CORPORATION COMMISSION

AUG 19 1994

CONSERVATION DIVISION  
WICHITA, KANSAS

*John D. Farmer III*  
 Val Dreher  
 Completion Foreman