

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

Operator's License # 9232

Name: Timberline Oil & Gas Corporation

Address \_\_\_\_\_

4447 S. Canyon Rd., Ste. 1

City/State/Zip Rapid City, SD 57702

Purchaser: NCRA

Operator Contact Person: Brant C. Grote

Phone (605) 341-3400

Contractor's Name: Pratt Well Service

License: 5893

Wellsite Geologist: None

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SIGW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

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

Operator: Wayne L. Kirkman

Well Name: Griffith A-1

Comp. Date 2/12/79 Old Total Depth 4297'

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PSTD  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) Docket No. \_\_\_\_\_

1/17/97 1/21/97  
Date OF START Date Reached TD Completion Date OF  
OF WORKOVER WORKOVER

API NO. 15- 151-20, 6190001

County Pratt

E/2-NE-NE- Sec. 36 Twp. 26S Rge. 13  <sup>E</sup> <sub>W</sub>

660 Feet from X (circle one) Line of Section

330 Feet from 2 (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 SE, NW or SW (circle one)

Lease Name Griffith Well # 2

Field Name Tuka Carmi

Producing Formation: LKC Lj

Elevation: Ground 1920 KB 1932

Total Depth 4298 PSTD 4256

Amount of Surface Pipe Set and Cemented at 480' 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 cat.

Drilling Fluid Management Plan REWORK 2-25-97  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled off site \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ 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 [Signature]

Title President Date 2/20/97

Subscribed and sworn to before me this 20<sup>th</sup> day of February, 19 97.

Notary Public TRUDY K. STEIGER

Date Commission Expires 3/30/04

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)

ORIGINAL

SIDE 1W0

Operator Name Timberline Oil & Gas Lease Name Griffith Well # 2  
 East Corporation County Pratt  
 Sec. 36 Twp. 26S Rge. 13  West

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.)

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 LKC L1 3868 3871

List All E.Logs Run:

CASING RECORD <input 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	12 1/4"	8 5/8"	24 #	480'		325	
Production	7 7/8"	4 1/2"	14 #	4292'		250	

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 type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plug Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3868-71	500 gal 15% HCL w/FE &	
	4130'-4136'	HE	
	4159'-4164' + 4175'-4180'		

TUBING RECORD Size 2 3/8 Set At 3993' GL Packer At 3993' GL Liner Run  Yes  No

Date of First, Resumed Production, SWD or In]. 1-21-97 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 4 Bbls. Gas 0 Mcf Water 1 Bbls. Gas-Oil Ratio 36 Gravity 36

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) 3868-71 Production Interval