

15-151-00440-00-02

ORIGINAL

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

Operator: License # 9232

Name: Timberline Oil & Gas Corporation

Address 4447 S. Canyon Rd. Ste. 1

City/State/Zip Rapid City, SD 57702

Purchaser: Panhandle Eastern Pipeline

Operator Contact Person: Brant C. Grote

Phone (605) 341-3400

Contractor: Name: Basye Well Service

License: _____

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

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

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

Operator: R.W. Rine Drilling

Well Name: Knop 1

Comp. Date 6/3/61 Old Total Depth 4357

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back 2375' PSTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

10/12/93 10/19/93
Spud Date Date Reached TD Completion Date

API No. 15- None

County Pratt

- SW - SW - SW Sec. 21 Twp. 26S Rge. 12 X E

330 Feet from S/M (circle one) Line of Section

4950 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 Knop Well # 1

Field Name Iuka Carmi

Producing Formation Wreford

Elevation: Ground 1910 KB 1920

Total Depth 4357' PSTD 2375'

Amount of Surface Pipe Set and Cemented at _____ 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 cmt.

STATE RECEIVED
CORPORATION COMMISSION
DEC 23 1993
Wichita, Kansas
CONSERVATION DIVISION

Management Plan REWORK 2-23-94
(Data must be collected from the Reserve Pit)

chloride content _____ ppm Fluid volume _____ bbls

Disposal method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name Timberline Oil & Gas Corporation

Lease Name Knop License No. 9232

SW Quarter Sec. 21 Twp. 26 S Rng. 12 E/W

County Pratt 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 Brant C. Grote

Title President Date 12/20/93

Subscribed and sworn to before me this 20th day of December, 1993

Notary Public Trudy K. Steyer

Date Commission Expires 3/30/96

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received N/A
C Geologist Report Received N/A
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator Name Timberline Oil & Gas Corporation Lease Name Knop Well # 1
 Sec. 21 Twp. 26S Rge. 12 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wreford Lime	2220	2260
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
List All E. Logs Run:				

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	10 3/8"	8 5/8"		321'	Portland A	N/A	
Production	6 1/4"	4 1/2"	9.5	2581'	60/40 Poz	N/A	2% Gel

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 Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
		2	2230-33
		1500g 15% HCL	
	CIBP @ 2375' <i>Kcc 8/21</i>		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	2237' GL	2375'	

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)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	None	25 <i>Kcc 8/21</i>	20 <i>Kcc 8/21</i>		

Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: 2230-2233'