

FORM MUST BE TYPED

SIDE ONE

1-315-33W
COPY

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

Operator: License # 31137

Name: Pennzoil Exploration & Production Co.

Address P.O. Box 2967

City/State/Zip Houston, Tx. 77252-2967

Purchaser: NORTHERN NATURAL GAS CO.

Operator Contact Person: K. Sam Jones

Phone (713) 546-4930

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

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:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

11-20-95 11-22-95 11-11-23-95
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21.500
County Seward
Approx. C - SW/4 Sec. 1 Twp. 31 S Rge. 33 XX W
1250' Feet from (S)N (circle one) Line of Section
4030' Feet from (E)W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or (S)(circle one)

Lease Name STAPLETON Well # #2

Field Name HUGOTON

Producing Formation Chase

Elevation: Ground 2884' KB 2889'

Total Depth 2755' PBSD 2711'

Amount of Surface Pipe Set and Cemented at 592' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to SURFACE w/ 600 sx cmt.-

Drilling Fluid Management Plan alt I 5-7-96
(Data must be collected from the Reserve Pit) Lu

Chloride content 20,000 ppm Fluid volume 1285 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

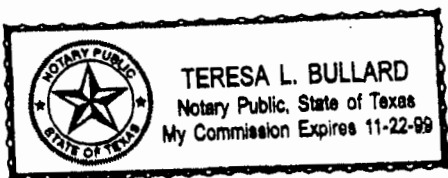
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side 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 J.P. Howell
Title OPERATIONS SUPERINTENDENT Date 02/22/96
Subscribed and sworn to before me this 22 day of February,
19 96.
Not Public Teresa Bullard
Date Commission Expires 11-22-99

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

LOG



Operator Name Pennzoil Exploration & Production Co. Lease Name STAPLETON Well # #2

Sec. 1 Twp. 31 S Rge. 33 W East West
 County Seward

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
 HERRINGTON 2603'
 KRIDER 2630'
 WINFIELD 2680'

List All E.Logs Run: CEMENT BOND LOG, MICRO-LOG, DUAL INDUCTION LATERLOG, SPECTRAL DENSITY DUAL SPACED NEUTRON II LOG

CASING RECORD <input type="checkbox"/> New <input checked="" 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"	28#	592'	Allied Lite Common	275 sks 100 sks	4%CC, 1/4# floeal 4%CC
Production String	7 7/8"	4 1/2"	10.5#	2751'	Allied Lite ASC Mud Sweep	425 sks 150 sks 500 gals	1/4# floeal/sk 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 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 SPF	2643' to 2649'	6750 GAL. 15% HCL	ALL
2 SPF	2683' to 2702'	50,900 SCF N2	ALL

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	2700'		
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)			
02/06/96				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		200 MCF/D	10 BWPD	

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