

28-225-35 W

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: Pennzoll Exploration & Production

Address P.O. Box 2967

City/State/Zip Houston, Tx. 77252

Purchaser: NORTHERN NATURAL

Operator Contact Person: K. Sam Jones

Phone (714) 546 4930

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

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:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

9-17-95 9-19-95 9-19-95

Spud Date 9-17-95 Date Reached TD 9-19-95 Completion Date 9-19-95

API NO. 15- 093-21,470

County Kearny

Approx. C - NE/4 Sec. 28 Twp. 22S Rge. 35W E

1250' Feet from S (circle one) Line of Section

1250' Feet from E (circle one) Line of Section

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

Lease Name SHELL Well # 2

Field Name HUGOTON

Producing Formation Chase

Elevation: Ground 3043' KB 3048'

Total Depth 2820' PBTB 2788'

Amount of Surface Pipe Set and Cemented at 216.87' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2820'

feet depth to SURFACE w/ 675 sx cmt.

Drilling Fluid Management Plan ALT 2 87 1-3-97
(Data must be collected from the Reserve Pt)

Chloride content 45,000 ppm Fluid volume 900 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.

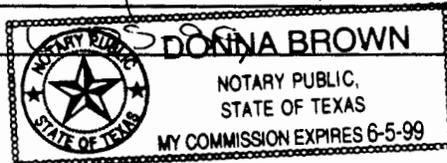
Signature Teresa Buller

Title PRODUCTION ASSISTANT Date 11/14/95

Subscribed and sworn to before me this 14th day of NOVEMBER 19 95.

Notary Public Donna Brown

Date Commission Expires _____



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) _____

Form ACO-1 RECEIVED
KANSAS CORPORATION COMMISSION

NOV 15 1995

W 22S R 35W

SIDE TWO

Operator Name Pennzoil Exploration & Production Lease Name SHELL Well # 2

Sec. 28 Twp. 22S Rge. 35W East West County Kearny

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.)

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
HERRINGTON	2528'	
KRIDER	2547'	
WINFIELD	2579'	
GAGE SHALE	2612'	
TOWANDA	2638'	
FT. RILEY	2690'	

List All E.Logs Run: MICROLOG, DUAL INDUCTION SHORT GUARD LOG, SPECTRAL DENSITY DUAL SPACED NEUTRON II LOG, MSG GAMMA RAY CASING COLLARS CEMENT BOND 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#	216.87'	60/40 pos	185 sks	2% gel, 3%CC.
Production String	7 7/8"	4 1/2"	10 1/2#	2818'	Allied Lite-ASC-	500 sks 150 sks	1/2# Floseal 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	2530' to 2540'	1500 GAL. 7 1/2% HCL	
2 SPF	2548' to 2555'	97,040 # 12/20 SAND	
2 SPF	2580' to 2588'		

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2 3/8	2560'				
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)					
11/08/95							
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
			350MCF/D		18 BBLS BWPD		

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: 2530' - 2588'