COPY

FORM MUST BE TYPED

RECEIVED
KANSAS CORPORATION COMMISSION
JUN 23 1995
CONSERVATION DIVISION
WICHITA, KS

SIDE ONE

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

Operator: License # 4549
Name: ANADARKO PETROLEUM CORPORATION
Address P.O. BOX 351
City/State/Zip LIBERAL, KANSAS 67905-0351
Purchaser: NORTHER NATURAL GAS COMPANY
Operator Contact Person: J. L. ASHTON
Phone (316) 624-6253
Contractor: Name: NA
License: NA
Wellsite Geologist: NA

Designate Type of Completion
____ New Well ____ Re-Entry __X__ Workover

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

If Workover:
Operator: ANADARKO PETROLEUM CORPORATION
Well Name: BOLES #1-E UNIT NO. 2
Comp. Date 4/20/88 Old Total Depth 5700

____ Deepening __X__ Re-perf. ____ Conv. to Inj/SWD
__X__ Plug Back 5603 PBTD
____ Commingled Docket No. ____
____ Dual Completion Docket No. ____
____ Other (SWD or Inj?) Docket No. ____

5/10/95 (5-10-95) Spud Date | NA Date Reached TD | 6/18/95 Completion Date

API NO. 15- 175-20,995-0001
County SEWARD
__ - __ - SW - SW Sec. 1 Twp. 32S Rge. 34 __E__ X W
660 Feet from (S) N (circle one) Line of Section
4745 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 BOLES ~~#1-E UNIT~~ Well ~~#~~ E-2 per John Dolan 8-1-95
Field Name SILVERMAN
Producing Formation CHESTER
Elevation: Ground 2848 KB --
Total Depth 5700' PBTD 5603'
Amount of Surface Pipe Set and Cemented at 1694 Feet
Multiple Stage Cementing Collar Used? __X__ Yes ____ No
If yes, show depth set 3200 Feet
If Alternate II completion, cement circulated from ____
feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan OWWO 1-3-97 JK
(Data must be collected from the Reserve Pit)
NOT APPLICABLE

Chloride content ____ ppm Fluid volume ____ bbls
Dewatering method used ____
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 John M. Dolan
JOHN M. DOLAN
Title SENIOR TECHNICAL ASSISTANT Date 6/21/95

Subscribed and sworn to before me this 21st day of June 19 95.
Notary Public Freda L. Hinz
Date Commission Expires FREDA L. HINZ Notary Public - State of Kansas My Appt. Expires 5-15-99

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)

100

Form ACO-1 (7-91)

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name BOLES #1-E UNIT Well # 2

Sec. 1 Twp. 32S Rge. 34 ☐ 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 (Attach Additional Sheets.) ☐ Yes ☒ No

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☐ Yes ☒ No

List All E.Logs Run:

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☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
CHASE	2547	
COUNCIL GROVE	2876	
ADMIRE	3125	TAKEN FROM
WABAUNSEE	3242	ORIGINAL ACO-1
HEEBNER	4010	
LANSING	4166	
KANSAS CITY	4406	
MARMATON	4818	
CHEROKEE	5008	
MORROW	5365	
CHESTER	5489	
ST. GENEVIEVE	5604	5700 T.D.

CASING RECORD ☐ New ☐ Used ORIGINAL COMPLETION

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	24.0	1597	C LITE/C	585/185	65:35:6 3%CACL /2% CACL
PRODUCTION	7-7/8	5-1/2	14.0	5609	H/H	435/410	50:50 POZ 2%GEL /50:50 POZ 2%GEL 2% CACL

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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
	DO CIBP @ 5660'& CO TO 5695' SET CIBP @ 5693'		
3	5620'- 5670' (ST. GEN.)	ACIDIZE W/6500 GAL 15%FEHCL	5510 - 567
3	5510'- 5590' (CHESTER)	FRAC W/37,600 GAL 35# X-LINK 2% KCL + 169,800# 16/30 SND	5510 -5590
	SET CIBP @ 5615'& DUMP 1.5 SX CMT(TAGGED @ 5603')		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8	5463	--	☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj.	Producing Method
6/12/95	☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	12	1096	21	91,333	--

Disposition of Gas: METHOD OF COMPLETION Production Interval

☐ Vented ☒ Sold ☐ Used on Lease (If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 5510-5590

☐ Other (Specify) _____