

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, KS 67905

Purchaser: NA

Operator Contact Person: M. L. Pease

Phone (316) 624-6253

Contractor: Name: Gabbert-Jones, Inc.

License: 5842

Wellsite Geologist: NA

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

11/15/89 11/26/89 2/23/90

Spud Date Date Reached TD Completion Date

API NO. 15- 129-21,029 -0000

County Morton

C SE SW Sec. 33 Twp. 32S Rge. 42 X East West

660 Ft. North from Southeast Corner of Section

3300 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

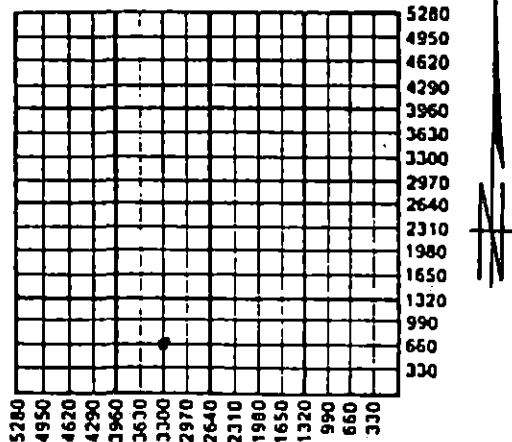
Lease Name Arnold "B" Well # 1

Field Name Boehm

Producing Formation NA

Elevation: Ground 3476.0 KB NA

Local Depth 5234 PBDT 0



Amount of Surface Pipe Set and Cemented at 1351 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.

COPY

3-29-90

MAR 29 1990

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Wichita, Kansas

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Beverly J. Williams
Beverly J. Williams
Title Engineering Technician Date 3-26-90

Subscribed and sworn to before me this 26th day of March, 1990.

Notary Public Cheryl Steers

Date Commission Expires _____



K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
 B Wireline Log Received
 C Drillers Time Log Received

Distribution

KCC SWD/Rep NGPA
 KGS Plug Other
 (Specify)

Operator Name Anadarko Petroleum Corp. Lease Name ARNOLD "B" Well # 1

Sec. 33 Twp. 32S Rge. 42 East West
 County Morton

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.

<p>Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.)</p> <p>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)</p>	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <p style="text-align: center;">Name Top Bottom</p> <p style="text-align: center;">SEE ATTACHMENT</p>
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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#	1351	Pozmix & Common	650	4% gel 2% cc 2% cc
Production	7 7/8	4 1/2	11.60#	5060	Pozmix & Thixset	175	6% tot gel 5% KCL, 1/4" sxs flocele
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used		Depth	
2	4816-18			A/800 gals 7 1/2% fe Acid		4816-18	
				sqz perms 4816-18 w/15 sxs class H & .7 Halad 9+15 sxs class H.			
2	4793-98			A/1500 gal N ₂ foamed 7 1/2% fe 75% Qual Acid.		4793-98	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	Size 2 3/8	Set At 4729	Packer At 4729				
Date of First Production P & A		Producing Method <input type="checkbox"/> Flowing <input 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		

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

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____ P & A

ATTACHMENT

Arnold "B" NO. 1
Section 33-32S-42W
Morton County, Kansas

<u>NAME</u>	<u>TOP</u>	<u>BOTTOM</u>
Base Cimarron Anhydrite	1358	2049
Winfield	2049	2644
Wabaunsee	2644	2880
Topeka	2880	3146
Greenwood	3146	3215
Heebner	3215	3294
Douglas	3294	3357
Lansing	3357	3584
Kansas City	3584	4010
Marmaton	4010	4146
Cherokee	4146	4418
Morrow	4418	4721
Indian Belly	4721	4792
"G" Sand	4792	4897
Keyes Sand	4897	4942
Chester	4942	4974
Ste. Genevieve	4974	5136
St. Louis	5136	5234
TD		5234

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CONSERVATION DIVISION
Wichita, Kansas

**GABBERT-JONES
DRILLERS WELL LOG**

ARNOLD "B" #1
SEC. 33-32S-42W
MORTON COUNTY, KANSAS

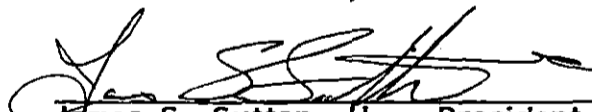
Commenced: 11-15-89
Completed: 11-26-89
Operator: ANADARKO PETROLEUM CORPORATION

Depth		Formation	Remarks
From	To		
0	75	Cased hole	120' of 20"
75	300	Cement-Sand-Redbed	
300	850	Sand-Redbed	Ran 32 jts of 24# 8 5/8" csg
850	1353	Redbed	LD @ .1350' w/450 sks Posmix
1353	1610	Lime-Shale	4% Gel - 2% CC - 200 sks
1610	2010	Shale - Lime	Class H - 2% CC
2010	2460	Lime-Shale	PD @ 5:30 PM 11-16-89
2460	2660	Shale-Lime	
2660	3660	Lime-Shale	Ran 129 jts of 11.6# 4 1/2" csg
3660	3830	Shale-Lime	LD @ 5060 w/50 sks 65/35
3830	4095	Lime-Shale	Posmix - 6% Gel - 125 sks
4095	4225	Shale-Lime	Fixset - 5% HCl - 1/4# FS
4225	4535	Lime-Shale	PD @ 4:45 AM 11-26-89
4535	4825	Shale-Lime	RR @ 5:45 AM 11-26-89.
4825	4975	Lime-Shale	
4975	5075	Lime	
5075	5234	Lime-Shale	
	5234 TD		

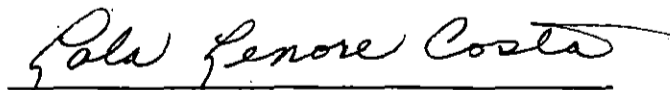
State of Kansas
County of Sedgwick

I, the undersigned, being duly sworn on oath, state
that the above Drillers' Well Log is true and correct
to the best of my knowledge and belief and according
to the records of this office.

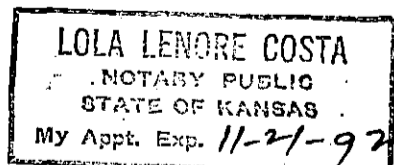
GABBERT-JONES, INC.


James S. Sutton, II -- President

Subscribed & sworn to before me this
30th day of November 1989


Lola Lenore Costa

My Commission expires Nov. 21, 1992



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STATE COMMISSION

MAR 29 1990

REGISTRATION DIVISION
STATE OF KANSAS