

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

SIDE ONE

API NO. 15- 129-21,038 -60-00

**CONFIDENTIAL**

Operator: License # 4549

Name: Anadarko Petroleum Corporation

Address P.O. Box 351

City/State/Zip Liberal, Kansas 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 **OWWO**: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

2/13/90 2/26/90 2/26/90  
Spud Date Date Reached TD Completion Date

County Morton  
APP. \_\_\_\_\_ East  
SW NW NE Sec. 16 Twp. 33S Rge. 39  West

4030 ✓ Ft. North from Southeast Corner of Section

2310 ✓ Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

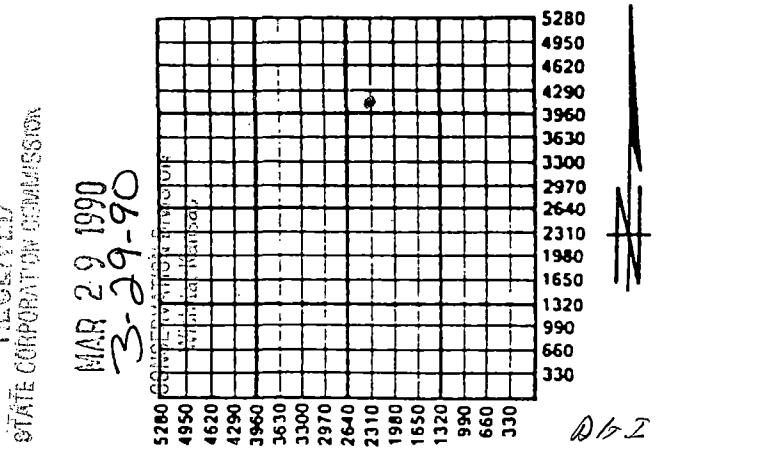
Lease Name Ratzlaff "D" Well # 1

Field Name Demuth

Producing Formation NA

Elevation: Ground 3229.4 KB NA

Total Depth 6550 PBDT 2816



Amount of Surface Pipe Set and Cemented at 1676 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 cm.

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MAR 29 1990  
3-29-90

**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.

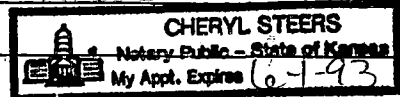
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

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	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Drillers Timelog Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other
(Specify)		

**ORIGINAL**

Form ACO-1 (7-89)

X P1

Operator Name Anadarko Petroleum Corp.

Lease Name RATZLAFF "D"

Well # 1

Sec. 16 Twp. 33S Rge. 39

East

County Morton

West

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.)

Formation Description

Log  Sample

Name Top Bottom

SEE ATTACHED

CASING RECORD

New  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#	1676	Pozmix & Common	800	4% tot gel, 2% cc, 3% cc
Production	7 7/8	5 1/2	14#	2816	Pozmix & Common	125	20% DCD 10% DCD

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record

(Amount and Kind of Material Used) Depth

TUBING RECORD

Size Set At Packer At Liner Run  Yes  No

Date of First Production Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)  
Delay Completion

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

Delay Completion \_\_\_\_\_

ATTACHMENT

~~CONFIDENTIAL~~  
KCC/KG

Ratzlaff D-1  
Section 16-33S-39W  
Morton County, Kansas

<u>NAME</u>	<u>TOP</u>	<u>BOTTOM</u>
B/Stone Corral	1688	2442
T/Chase Group	2442	2762
T/Council Grove	2762	2988
T/Admire	2988	3198
T/Wabaunsee	3198	3460
T/Topeka	3460	3984
T/Heebner	3984	4002
T/Toronto	4002	4166
T/Lansing	4166	4800
T/Marmaton	4800	5030
T/Cherokee	5030	5610
T/Morrow	5610	5942
T/Lower Morrow	5942	6083
T/Keyes	6083	6128
T/Chester	6128	6236
T/Ste. Genevieve	6236	6362
T/St. Louis	6362	6547
Log Total Depth	6547	6550
TD		6550

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MAR 29 1990

CONSERVATION DIVISION  
Wichita, Kansas

ORIGINAL

RATZLAFF D #1  
T6-33S-39W  
MORTON COUNTY, KANSAS

GABBERT-JONES, INC.  
DRILLERS WELL LOG

KCC/KG

~~CONFIDENTIAL~~

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PRODUCTION  
LIBERAL DIVISION

COMMENCED: 2-13-90  
COMPLETED: 2-26-90  
OPERATOR: ANADARKO PETROLEUM CORPORATION

Depth		Formation	Remarks
From	To		
0	475	Sand - Clay - Gyp	
475	1156	Redbed - Gyp	Ran 42 jts of 24# 8 5/8"
1156	1670	Redbed - Sand - Gyp	csg LD @ 1676' w/600 sks
1670	1677	Redbed - Anhy	Posmix - 4% Gel - 2% CC
1677	1795	Anhy - Shale	200 sks Common - 3% CC
1795	2540	Shale - Lime	PD @ 7:15 PM
2540	6550	Lime - Shale	2-14-90.
	6550 TD		Ran 65 jts of 14# 5 1/2"
			LD @ 2816' w/85 sks 25/75
			Pos - 20% DCD - 3% CC
			1/4# Floseal - 40 sks Common
			10% DCD - 2% CC - 1/4#
			Floseal.
			PD @ 3:15 PM 2-26-90.
			Rig Released @ 4:15 PM 2-26-90.

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.

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MAR 29 1990

CONSERVATION DIVISION  
Wichita, Kansas

GABBERT-JONES, INC.

*[Signature]*  
James S. Sutton -- President

Subscribed & sworn to before me this  
1st day of March 1990

*[Signature]*  
Lola Lenore Costa

ORIGINAL

My commission expires Nov. 21, 1992

LOLA LENORE COSTA  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 11-21-92



DOWELL SCHLUMBERGER INCORPORATED

REMITTANCE

INVOICE

REMIT TO: P O BOX 201556  
HOUSTON TX 77216

0312

INVOICE DATE
02/14/90

556028 ANADARKO PETROLEUM CORP
BOX 351 LIBERAL KS 67901

PAGE
1

INVOICE NUMBER
03-12-2363

TYPE SERVICE
CEMENTING CEMENT SURFACE C

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
DATILEE 2-1 Ratzlaff D-1	KS	HORTON	ULYSSES KS	DS	
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
SEC 16-333-39W			02/14/90	JIM BARLOW	

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
048213000	CASING CENTR 1500-1999 FT.	SHR	1	925.0000	925.00
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	40	2.4000	96.00
059697000	PACK TREAT ANALYSIS RECORDER	JOB	1	110.0000	110.00
049102000	TRANSPORTATION CHMT TON MILE	MI	437	.8000	349.60
049100000	SERVICE CHG CEMENT MATL LAND	CFT	865	1.0000	865.00
040015000	D909, CEMENT CLASS II	CFT	500	6.4500	3,225.00
045000000	D35, LITEPOZ 3 EXTENDER	CFT	300	2.3000	690.00
045014050	D20, BENTONITE EXTENDER	LBS	2016	.1300	262.08
067005100	SI, CALCIUM CHLORIDE	LBS	1572	.3200	503.04
056704085	PLUG CENG 9-5/8" TOP AL CORE	EA	1	140.0000	140.00
	DISCOUNT - MATERIAL				1,771.80-
	DISCOUNT - SERVICE				852.18-
				SUB TOTAL --	4,810.94
	STATE TAX ON				3,263.08
				AMOUNT DUE --	4,949.62

4056-2041

*John Shelby*

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CONSERVATION DIVISION  
Wichita, Kansas

WITH QUESTIONS CALL 316-356-1272  
FEDERAL TAX ID # 30-239-7173  
TERMS -- NET 30 DAYS DUE ON OR BEFORE MAR 16, 1990

THANK YOU. WE APPRECIATE YOUR BUSINESS.

*Larry A. Kolstad*  
G A KOLSTAD



March 28, 1990

Kansas Corporation Commission  
Conservation Division  
200 Colorado Derby Building  
Wichita, Kansas 67202

Re: Ratzlaff "D" No. 1  
Section 16-33S-39W  
Morton County, Kansas

Gentlemen:

Enclosed in triplicate is an ACO-1 Well History and a set of electric logs on the above referenced well. Please note that the well is designated as a delay completion. Upon completion an ACO-2 Amendment to Well History will be submitted.

Very truly yours,

A handwritten signature in cursive script that reads "Beverly J. Williams".

Beverly J. Williams  
Engineering Technician  
/cs

Enclosure

cc: Well File  
Region Administrative Manager  
Manager Land Administration  
Land Department - Denver  
Ellen Cobb  
WI Owners

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Wichita, Kansas