

ORIGINAL

189-21,542-0000

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: Not Applicable

Operator Contact Person: J. L. Ashton

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  SIOW  Temp. Abd.

Gas  ENHR  SIGW

Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

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

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

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

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBDT

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

5-12-93 5-23-93 5-25-93  
Spud Date Date Reached TD Completion Date

API NO. 15- \_\_\_\_\_

County Stevens

Appx- SW - NE - SE Sec. 12 Twp. 32S Rge. 38  E

1390 Feet from (S)W (circle one) Line of Section

1250 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 Groves "A" Well # 1

Field Name Metts

Producing Formation Not Applicable

Elevation: Ground 3155 KB NA

Total Depth 6100 PBDT 0

Amount of Surface Pipe Set and Cemented at 1757 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 cnt.

Drilling Fluid Management Plan 1-2-93  
(Data must be collected from the Reserve Pit)

Chloride content 2300 ppm Fluid volume 5000 bbls

Dewatering method used Natural 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, 200 Colorado Derby Building, 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 Beverly J. Williams  
Title Technical Assistant Date 6-10-93

Subscribed and sworn to before me this 10th day of June 1993.

Notary Public Cheyl Steers

Date Commission Expires \_\_\_\_\_

**A**  
CHERYL STEERS  
Notary Public - State of Kansas  
My Appt. Expires 6-1-97

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution JUN 17 1993  
 KCC  SWD/Rep  NEPA  
 KGS  Plug  Other  
Wichita, Kansas

Operator Name Anadarko Petroleum Corporation Lease Name Groves "A" Well # 1

Sec. 12 Twp. 32S Rge. 38  East  West  
 County Stevens

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.)

List All E.Logs Run:

Log Formation (Top), Depth and Datums  Sample

Name Top Datum

SEE ATTACHMENT

CASING RECORD <input checked="" 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#	1757	Pozmix & Class "H"	760	4% gel, 2% cc 2% cc

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
	None			

TUBING RECORD

Size None Set At   Packer At   Liner Run  Yes  No

Date of First, Resumed Production, SMD or Inj.   Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Drilled & Abandoned

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  Perf.  Dually Comp.  Commingled  Other (Specify)  

Production Interval

ORIGINAL



Inter-Department Correspondence

TO: Dave Kapple

DATE: June 4, 1993

FROM:

SUBJECT: Formation Tops

Well: Grass "A"-1

Location: 1310 FSL 1250 FEL, SEC 12-32S-30W, Stearns Co. KS.

FORMATION	LOG DEPTH	SUBSEA DEPTH
Base Stone Corral	1774	+1377
Chase	2544	+607
Council Grove	2852	+299
Admiral	3097	+54
Wabawnee	3277	-126
Topeka	3516	-365
Heebner	4042	-891
Toronto	4060	-909
Lansing	4196	-1045
Kansas City	4606	-1455
Marmaton	4878	-1727
Sherokee	5084	-1933
Morrow	5620	-2469
Lower Morrow	5958	-2807
Lower Marmaton "G"-1	5990	-2839
Chester	6078	-2927

Atch M. [Signature]  
Geologist

RECEIVED  
STATE CORPORATION COMMISSION

JUN 17 1993

CONSERVATION DIVISION  
Wichita, Kansas



REMIT TO:  
P. O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES ORIGINAL

A Halliburton Company

INVOICE NO.	DATE
345543	05/24/1993

WELL/LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
ROVES "A" 1	STEVENS	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	GABBERT & JONES #8	PLUG TO ABANDON	05/24/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
19595	D. P. POWELL		33876
			SHIPPED VIA
			COMPANY TRUCK
			FILE NO.
			51242

ANADARKO PETROLEUM CORP  
P. O. BOX 351  
LIBERAL, KS 67905-0351

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	TRICING AREA - EASTERN AREA1 MILEAGE	10	MI	2.75	27.50 *
009-019	PLUGGING BK SPOT CEMENT OR MUD	3040	FT	1,255.00	1,255.00 *
504-043	CEMENT - PREMIUM	135	SK	8.69	1,173.15 *
506-105	ROZMIX A	6660	LB	.067	446.22 *
506-121	HALLIBURTON-GEL 2%	4	LB	.00	N/C *
507-277	HALLIBURTON-GEL BENTONITE	8	SK	15.50	124.00 *
500-207	BULK SERVICE CHARGE	241	CFT	1.25	301.25 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	102.555	TMI	.85	87.17 *

INVOICE SUBTOTAL

3,414.29

DISCOUNT-(BID)  
INVOICE BID AMOUNT

682.85-  
2,731.44

\*--KANSAS STATE SALES TAX  
\*--SEWARD COUNTY SALES TAX

133.85  
27.32

4215-2040  
K

*Jim Bailey*

FINAL APPROVAL	
DATE	LOCATION
LIBERAL OPERATIONS RECEIVED	
JUN 01 1993	
APPROVED	IDC
DATE	TANGIBLE
CODED BY	OPERATIONS

RECEIVED  
STATE CORPORATION COMMISSION

JUN 17 1993

CONSERVATION DIVISION

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND



INVOICE

HALLIBURTON SERVICES

ORIGINAL

A Halliburton Company

INVOICE NO.	DATE
345627	05/13/1993

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
ROVE "A" 1	STEVENS	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	GABBERT & JONES	CEMENT SURFACE CASING	05/13/1993		
ACCT. NO.	CUSTOMER/AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
19595	DAVID GILMORE		33876	COMPANY TRUCK	50719

ANADARKO PETROLEUM CORP  
P. O. BOX 351  
LIBERAL, KS 67905-0351

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
RICING AREA - EASTERN AREA					
000-117	MILEAGE	10	MI	2.75	27.50
		1	UNT		
001-016	CEMENTING CASING	1758	FT	1,105.00	1,105.00
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	8 5/8	IN	120.00	120.00 *
		1	EA		
12A	GUIDE SHOE - 8 5/8" BRD THD.	1	EA	216.00	216.00 *
825.217					
24A	INSERT FLOAT VALVE - 8 5/8" BRD	1	EA	171.00	171.00 *
815.19502					
27	FILL-UP UNIT 7" - 8 5/8"	1	EA	55.00	55.00 *
815.19415					
40	CENTRALIZER 8-5/8" - 12.25"	3	EA	72.00	216.00 *
807.93059					
320	CEMENT BASKET 8 5/8"	1	EA	122.00	122.00 *
800.8888					
350	HALLIBURTON WELD-A	1	LB	14.50	14.50 *
890.10802					
504-043	CEMENT - PREMIUM	200	SK	8.69	1,738.00 *
504-131	CEMENT - 50/50 POZMIX PREMIUM	560	SK	6.82	3,819.20 *
507-277	HALLIBURTON-GEL BENTONITE	9	SK	15.50	139.50 *
509-406	ANHYDROUS CALCIUM CHLORIDE	13	SK	28.25	367.25 *
500-207	BULK SERVICE CHARGE	804	CFT	1.25	1,005.00 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	659.4	TMI	.85	560.49 *
INVOICE SUBTOTAL					9,676.44
DISCOUNT - (BID)					
INVOICE BID AMOUNT					
*-KANSAS STATE SALES TAX					
***** CONTINUED ON NEXT PAGE *****					

*John Sweeney*

5-27-93

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STATE CORPORATION COMMISSION  
JUN 17 1993  
CONSERVATION DIVISION  
Wichita, Kansas

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HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
345627	05/13/1993

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ROVE "A" 1	STEVENS	KS	SAME		
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P. O. BOX 351  
LIBERAL, KS 67905-0351

DIRECT CORRESPONDENCE TO:  
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210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT														
	*-SEWARD COUNTY SALES TAX				51.32														
<p>4215-2040 KH</p>																			
<table border="1"> <tr> <td colspan="2">FINAL APPROVAL</td> </tr> <tr> <td>AFE #</td> <td>LOCATION</td> </tr> <tr> <td colspan="2">LIBERAL OPERATIONS RECEIVED</td> </tr> <tr> <td colspan="2">MAY 24 1993</td> </tr> <tr> <td>APPROVED</td> <td>IDC</td> </tr> <tr> <td>DATE</td> <td>TANGIBLE</td> </tr> <tr> <td>CODED BY</td> <td>OPERATIONS</td> </tr> </table>					FINAL APPROVAL		AFE #	LOCATION	LIBERAL OPERATIONS RECEIVED		MAY 24 1993		APPROVED	IDC	DATE	TANGIBLE	CODED BY	OPERATIONS	
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<p>S-27-93</p>																			
<p>INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====&gt;</p>																			

RECEIVED  
STATE CORPORATION COMMISSION  
JUN 17 1993  
\$6,089.84  
CONSERVATION DIVISION  
Wichita, Kansas

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ORIGINAL

GABBERT-JONES, INC.  
WICHITA, KANSAS

- DRILLERS' WELL LOG -

WELL NAME: GROVES "A"#1  
SEC: 12-32S-38W  
STEVENS COUNTY, KANSAS

COMMENCED: 5-12-93  
COMPLETED: 5-25-93  
OPERATOR: ANADARKO PETROLEUM CORPORATION

DEPTH		FORMATION	REMARKS
From	To		
0	985	sand-clay	
985	1225	sand-clay-redbed	Ran 43jts of 24#8 5/8"
1225	1430	glorietta sand	csg LD@1757'w/560sks
1430	1749	redbed	50/50posmix 4%gel 2%CC
1749	1766	anhy	200sks class H 2%CC
1766	1775	redbed-shale	PD@9:30pm 5-13-93
1775	2460	redbed	
2460	2745	redbed-shale	
2745	6100	lime-shale	


6100-TD

D&A

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.

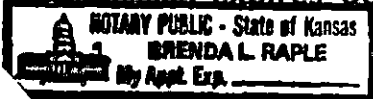
GABBERT-JONES, INC.

  
James S. Sutton, II - President

Subscribed & sworn to before me this 27th, day of May, 1993

  
Brenda L. Raple, Notary Public

My commission expires October 16, 1996.



RECEIVED  
STATE CORPORATION

JUN 4

CON