

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

API NO. 15-

189-21,539-000

ORIGINAL

County

Stevens

APPROX SW - NW - NE Sec. 24 Twp. 32S Rge. 39 X W

1250 Feet from S (circle one) Line of Section

2000 Feet from E (circle one) Line of Section

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

Lease Name Younggren "K" Well # 3A

Field Name Panoma Council Grove

Producing Formation Council Grove

Elevation: Ground 3157.1 KB NA

Total Depth 2960 PBD 2954

Amount of Surface Pipe Set and Cemented at 1660 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

\_\_\_\_\_ Feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cnt.

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) ALT 9-22-93 CB

Chloride content 4200 ppm Fluid volume 5000 bbls

Dewatering method used natural evaporation

Location of fluid disposal if hauled offsite:

Operator Name RELEASED

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter Sec. Twp. S Rng. E/W

County FROM CONFIDENTIAL

Operator: License # 4549

Name: Anadarko Petroleum Corporation

Address P. O. Box 351

City/State/Zip Liberal, Kansas 67905-0351

Purchaser: Panhandle Eastern Pipe Line Company

Operator Contact Person: J. L. Ashton

Phone (316) 624-6253

Contractor: Name: Norseman Drilling Company

License: 03779

Wellsite Geologist: NA

KCC

Designate Type of Completion

X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_

AUG 1 7

CONFIDENTIAL

Oil SWD SLOW Temp \_\_\_\_\_

X Gas EMHR 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 \_\_\_\_\_ PBD

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

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

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

4-12-93 4-21-93 7-4-93

Spud Date Date Reached TD Completion Date

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

Beverly J. Williams

Title Technical Assistant Date 8-16-93

Subscribed and sworn to before me this 16 day of August 19 93.

Notary Public

Date

BOBBY M. NEUMAN  
NOTARY PUBLIC  
State of Kansas  
MY APPT. EXPIRES

8-18-93

RECEIVED  
K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Geologist Report Received  
AUG 18 1993  
Distribution  
KCC SWD  
KGS Plug  
Wichita, Kansas  
(Specify)

Operator Name Anadarko Petroleum Corporation Lease Name Younggren "K" Well # 3A

Sec. 24 Twp. 32S Rge. 39  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 Datum  Sample  
 Name Top Datum

See Attachment

**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
Conductor	17 1/4"	13 3/8	48#	470	Pozmix & Common	450 2%CC, 2%DCD	1/4#/Sk Flocele
Surface	12 1/4	8 5/8	24#	1660	Pozmix & Common	425 2%CC, 3%CC	1/4#/Sk Flocele
Production	7 7/8	5 1/2	15.50#	2960	Class "C"	290 2%DCD, 10%DCD	1/4#/Sk Flocele

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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	2902-08, 2926-30, 2942-46	A/in 2' intervals w/100 Gal 15% Fe Acid/Ft. Total Acid 1400 Gals	HCL 2902-2946
2	2862-76, 2851-56, 2835-40, 2812-22, 2790-2803, 2720-85	A/8000 Gal 15% Fe HCL, 280 BS. Frac w/70,000 Gal 30# Crosslinked Gel & 257,000# 12/20 Sd.	2720-2876

**TUBING RECORD** Size 2 3/8 Set At 2948 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 6-4-93 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		166	24		

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 2720-2946 O.A.

KCC ORIGINAL

AUG 17

CONFIDENTIAL

FORMATION TOPS  
APC #3A YOUNGGREN "K"  
SECTION 24-32S-39W  
STEVENS COUNTY, KANSAS

<u>FORMATION</u>	<u>LOG DEPTH</u>		<u>SUBSEA DEPTH</u>
B. CIMARRON	1670		+1500
KRIDER	2425		+ 745
WINFIELD	2470	<b>RELEASED</b>	+ 700
TOWANDA	2546		+ 624
LWR FT. RILEY	2600	SEP 6 1994	+ 570
FLORENCE	2654		+ 516
WREFORD	2687		+ 483
COUNCIL GROVE	2703	FROM CONFIDENTIAL	+ 467

RECEIVED  
STATE CORPORATION COMMISSION

AUG 18 1993

CONSERVATION DIVISION  
Wichita, Kansas

HALLIBURTON SERVICES

A Halliburton Company

ORIGINAL

INVOICE

INVOICE NO.	DATE
345426	04/16/1994

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
YOUNGREN "K" 3A		STEVENS		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL		NORSEMAN		CEMENT INTERMEDIATE CASING		04/16/1994
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
019595	JOHN SHILLING		33876	COMPANY TRUCK	4962	

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

KCC

AUG 17

CONFIDENTIAL

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
PRICING AREA - EASTERN AREA1					
000-117	MILEAGE	15	MI	2.75	41.25
		1	UNT		
001-016	CEMENTING CASING	1660	FT	1,105.00	1,105.00
		1	EA		
030-018	CEMENTING PLUG SW, PLASTIC TOP	8 5/8	IN	130.00	130.00
		1	EA		
15A	CASING SHOE - 8 5/8" 8RD THD.	1	EA	161.00	161.00
830.2171					
24A	INSERT FLOAT VALVE - 8 5/8" 8RD	1	EA	171.00	171.00
815.19502					
27	FILL-UP UNIT 7" - 8 5/8"	1	EA	55.00	55.00
815.19415					
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
504-043	CEMENT - PREMIUM	219	SK	8.69	1,850.97
506-105	POZMIX A	15688	LB	.067	1,051.10
506-121	HALLIBURTON-GEL 2%	7	LB	.00	N/C
507-277	HALLIBURTON-GEL BENTONITE		SK	15.50	108.50
509-406	ANHYDROUS CALCIUM CHLORIDE		SK	28.25	310.75
500-207	BULK SERVICE CHARGE	661	CFT	1.25	826.25
500-306	MILEAGE CMTG MAT DEL OR RETURN	426.00	TMI	.85	362.10
INVOICE SUBTOTAL					8,047.42
DISCOUNT-(BID)					3,140.43-
INVOICE BID AMOUNT					4,906.99
**KANSAS STATE SALES TAX					
***** CONTINUED ON NEXT PAGE *****					

RELEASED

SEP 6 1994

FROM CONFIDENTIAL

John Shilling

2428

4-27-93

RECEIVED  
STATE CORPORATION COMMISSION

AUG 18 1993

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 ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

CONSERVATION DIVISION  
Webb, Kansas  
PAGE: 1





HALLIBURTON SERVICES

ORIGINAL

INVOICE

A Halliburton Company

INVOICE NO.	DATE
305022	04/12/1993

WELL/LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
YOUNGREN "K" 3A		STEVENS		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL		NORSEMAN #2		CEMENT SURFACE CASING		04/12/1993
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
019595	JOHN SHILLING		33876	COMPANY TRUCK	49324	

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

KCC  
AUG 17  
CONFIDENTIAL

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	A - EASTERN AREA1 MILEAGE	15	MI	2.75	41.25
24A	INSERT FLOAT VALVE - 13 3/8" 8R	1	EA	360.00	360.00
815.19701		1	EA	60.00	60.00
27	FILL-UP UNIT 9 5/8"-13 3/8"	1	EA	60.00	60.00
815.19615					
001-016	CEMENTING CASING	479	FT	555.00	555.00
		1	UNT		
030-018	CEMENTING PLUG 5W, PLASTIC TOP	13 3/8	IN	335.00	335.00
		1	EA		
019-000	INSERT FLOAT	1	EA	360.00	360.00
16A	CASING SHOE - 13 3/8" 8RD THD.	1	EA	320.00	320.00
830.228					
001-018	CEMENTING CASING - ADD HRS	12	HR	195.00	2,340.00
		1	UNT		
504-043	CEMENT - PREMIUM	150	SK	8.69	1,303.50
504-043	CEMENT - PREMIUM	270	SK	8.69	2,346.30
506-105	POZMIX A	6660	LB	.067	446.22
506-121	HALLIBURTON-GEL 2X	5	LB	.00	N/C
507-210	FLOCELE	128	LB	1.40	179.20
509-406	ANHYDROUS CALCIUM CHLORIDE	8	SK	28.25	226.00
500-207	BULK SERVICE CHARGE	535	EA	1.25	668.75
500-306	MILEAGE CMTG MAT DEL OR RETURN	230	EA	.85	196.29
2428-2040 INVOICE SUBTOTAL					9,737.51
DISCOUNT-(BID) INVOICE BID AMOUNT					2,434.35-
**KANSAS STATE SALES TAX **SEWARD COUNTY SALES TAX					7,303.16
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					234.79
STATE CORPORATION COMMISSION					48.32
RECEIVED					\$7,588.21

RELEASED  
SEP 6 1994

APR 22 1993

RECEIVED

OPERATIONS

APPROVED

DATE

GOVERNMENT

OPERATIONS

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 ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

AUG 18 1993  
CONSERVATION DIVISION  
Wichita, Kansas

HALLIBURTON SERVICES

A Halliburton Company

ORIGINAL

INVOICE

INVOICE NO.	DATE
345240	04/21/199

WELL/LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
YOUNGREN "K" 3A	STEVENS	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	NORSEMAN	CEMENT PRODUCTION CASING	04/21/199		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
019595	JOHN SHILLING		33876	COMPANY TRUCK	4967

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

KCC  
AUG 17  
CONFIDENTIAL

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	MILEAGE	12	MI	2.75	33.00
		1	UNT		
001-016	CEMENTING CASING	2986	FT	1,225.00	1,225.00
		1	EA		
030-016	CEMENTING PLUG 5W ALUM TOP	5 1/2	IN	60.00	60.00
		1	EA		
26	INSERT VALVE F. S. - 5 1/2" BRD	1	EA	305.00	305.00
847.6318					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	46.50	46.50
815.19311					
40	CENTRALIZER 5-1/2" X 7 7/8"	10	EA	44.00	440.00
807.93022					
350	HALLIBURTON WELD-A	1	LB	14.50	14.50
890.10802					
218-738	CLAYFIX II	2	GAL	21.50	43.00
018-315	MUD FLUSH	1260	GAL	.65	819.00
504-050	CEMENT - PREMIUM PLUS	290	SK	8.95	2,595.50
507-210	FLOCELE	73	LB	1.40	102.20
500-959	CELITE	5100	LB	.42	2,142.00
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	28.25	169.50
500-207	BULK SERVICE CHARGE	607	CFT	1.25	758.75
500-306	MILEAGE CMTG MAT DEL DR RETURN	197.214	MI	.85	167.63

RELEASED  
SEP 6 1994

FROM CONFIDENTIAL

INVOICE SUBTOTAL

DISCOUNT-(BID)  
INVOICE BID AMOUNT

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

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

APPROVAL	LOCATION
LIBERAL OPERATIONS	
RECEIVED	
APR 30 1993	
APPLICABLE	IUC
DATE	TANGIBLE
COVERED BY	OPERATIONS

8,921.58

3,122.55-

RECEIVED 799.05

STATE CORPORATION COMMISSION

216.63

AUG 18 1993 19

CONSERVATION DIVISION

Wichita Kansas

2428-2041  
KS

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 ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.