

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

API NO. 15- **CONFIDENTIAL** 175-21346-00-00

County Seward  
- C - SE - SE Sec. 23 Twp. 34S Rge. 34 X E/W

Operator: License # 4549

660 Feet from S (circle one) Line of Section

Name: Anadarko Petroleum Corporation

660 Feet from E (circle one) Line of Section

Address P. O. Box 351 **ORIGINAL**

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

City/State/Zip Liberal, KS 67905-0351

Lease Name Underwood "A" Well # 3

Purchaser: Texaco Trading & Transportation Co.

Field Name Adamson

Operator Contact Person: J. L. Ashton

Producing Formation Chester

Phone (316) 624-6253

Elevation: Ground 2898.4 KB NA

Contractor: Name: Gabbert-Jones, Inc. **KCC**

Total Depth 6700 PBTD 6600

License: 5842 **FEB 7**

Amount of Surface Pipe Set and Cemented at 1621 Feet

Wellsite Geologist: NA

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion **CONFIDENTIAL**

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

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

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

X Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_ Temp. Abd.  
Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW  
Dry \_\_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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

Drilling Fluid Management Plan CB 6-2-94  
(Data must be collected from the Reserve Pit)

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

Chloride content 1300 ppm Fluid volume 5000 bbls

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

Dewatering method used Natural Evaporation

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

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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

Operator Name \_\_\_\_\_ **RELEASED**

Lease Name \_\_\_\_\_ **MAY 24 1995**

10-20-93 10-31-93 1-13-94  
Spud Date Date Reached TD Completion Date

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W \_\_\_\_\_  
**FROM CONFIDENTIAL**  
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 2-7-94  
Subscribed and sworn to before me this 7th day of February 1994.  
Notary Public Cheryl Steers  
Date Commission Expires \_\_\_\_\_

**CHERYL STEERS**  
My Appl. Expires 6-1-97

**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)

Operator Name Anadarko Petroleum Corporation

Lease Name Underwood "A"

Well # 3

Sec. 23 Twp. 34S 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  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
Surface	12 1/4	8 5/8	24#	1621	Class "H" Common	825	4% gel 2% cc 1#/sx flocele
Production	7 7/8	5 1/2	15.50#	6700	Thixset Pozmix	305	2#/sx flocele 5% KCL

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input checked="" 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 Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	4	6610-6618, Set CIBP @ 6600		A/1600 gal 15% fe HCL acid & 40 BS.
2	6551-56, 6526-31, 6513-19, 6506-09		A/5000 gal 15% fe acid + 48 BS. Frac w/37,900 gals 35# x-linked 2% KCL wtr & 150,000# 20/40 sd.	6506-6556

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2 3/8	6482	-			
Date of First, Resumed Production, SWD or Inj.				Producing Method			
12-24-93				<input type="checkbox"/> Flowing <input checked="" 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
		42	0	80	-		41.7° @ 60°

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

METHOD OF COMPLETION

Open Hole  Perf.  Dually Comp.  Commingled 6506-6556  
 Other (Specify) \_\_\_\_\_

Production Interval

ORIGINAL

CONFIDENTIAL

ATTACHMENT

API #15-175-21346

UNDERWOOD "A" No. 3  
Section 23-34S-34W  
Seward County, Kansas

<u>NAME</u>	<u>TOP</u>
CHASE	2618
COUNCIL GROVE	3059
LANSING	4530
MARMATON	5185
CHEROKEE	5402
MORROW	5862
L. MORROW	6113
CHESTER	6156
L. CHESTER "A"	6408
ST. GENEVIEVE	6568
ST. LOUIS	6590
TD	6700

KCC

FEB 7

CONFIDENTIAL

RELEASED

MAY 24 1995

FROM CONFIDENTIAL

RECEIVED  
STATE CONSERVATION COMMISSION

FEB - 9 1994

CONSERVATION DIVISION  
Wichita, Kansas

ORIGINAL

CONFIDENTIAL

GABBERT-JONES, INC.  
WICHITA, KANSAS

- DRILLERS' WELL LOG -

WELL NAME: UNDERWOOD A-3  
SEC: 23-34S-34W  
Seward County, Kansas

API # 15-175-21346

RELEASED

MAY 24 1995

COMMENCED: 10-20-93

COMPLETED: 11-2-93

FROM CONFIDENTIAL

OPERATOR: ANADARKO PETROLEUM CORPORATION

DEPTH		FORMATION	REMARKS
From	To		
0	1050	sand-redbed-gyp	
1050	1240	sand	Ran 38jts of 24#8 5/8"
1240	1467	shale-gyp	csg set @ 1621'w/625
1467	1622	redbed-gyp-anhy	sks class H-260sks
1622	1635	anhy	Common
1635	2145	anhy-redbed	PD @ 5:15am 10-21-93
2145	3105	shale-lime	
3105	6700	lime-shale	Ran 153jts of 15 1/2 #5 1/2"

6700-TD

KCC  
FEB 7  
CONFIDENTIAL

csg LD @ 6699'w/160sks  
65/35 Posmix 1/4#CF  
145sks class H fixset  
1/4#CF  
PD @ 8:15am 11-2-93  
RR @ 9:15am 11-2-93

RECEIVED  
STATE CORPORATION COMMISSION

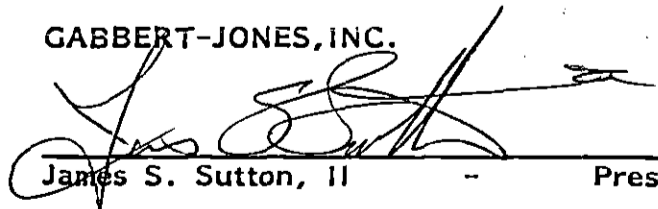
FEB - 9 1994

CONSERVATION DIVISION  
Wichita, Kansas


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 4th, day of November 1993

  
Brenda L. Raple, Notary Public

My commission expires October 16, 1996.



CONFIDENTIAL



ORIGINAL

The Western Company of North America

REMIT TO: P.O. BOX 911543 DALLAS, TX 75391-1543

INVOICE NO. 432892	OUR RECEIPT NO. 260424	DATE 10/21/93
YOUR ORDER NO.		
02800	1225	93200

ANADARKO PRODUCTION  
BOX 351  
LIBERAL KS 67901

SERVICES FROM OUR STATION AT PERRYTON CEMENTING	OUR ENGINEER RABE	SIGNED FOR YOU BY BARLOW
FOR SERVICING WELL NAME UNDERWOOD A-3	COUNTY SEWARD	STATE KS 15

FEDERAL I.D. NO. C 75-0763484

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE/UNIT	GROSS AMOUNT	PERCENT DISC.	NET AMOUNT
J3915	MILEAGE, AUTO/PICK-UP/TREATING VAN	MILE	4.0	1.550	6.20	37.00	3.91
J3905	MILEAGE, HEAVY VEHICLE, PER UNIT	MILE	4.0	2.900	11.60	37.00	7.31
J4015	BULK MATERIAL DELIVERY, DRY	TONMI	148.0	.900	133.20	37.00	83.92
F0055	CEMENT CASING, 1501 - 2000 FT	8HRS	1.0	1155.000	1155.00	37.00	727.65
M1005	BULK MATERIALS SERVICE CHARGE	CU FT	879.0	1.350	1186.65	37.00	747.59
P432N	PREMIUM CMT, HUGOTON, KS	SACK	513.0	9.080	4658.04	37.00	2,934.57
P422N	POZ A, HUGOTON, KS	SACK	312.0	5.180	1616.16	37.00	1,018.18
P2495	BENTONITE	LB	1050.0	.160	168.00	37.00	105.84
P1715	CELLO-SEAL	LB	156.0	1.980	308.88	37.00	194.59
H5027	CALC CHLORIDE-TX PANHANDLE	LB	1440.0	.390	561.60	37.00	353.81
P3625	CMT PLUG, RUBBER, TOP 8-5/8"	EACH	1.0	110.000	110.00	37.00	69.30
	SUB TOTAL				9915.33		6,246.67

RELEASED  
MAY 24 1995  
FROM CONFIDENTIAL

4532-2040  
COPY

KCC  
FEB 7  
CONFIDENTIAL

RECEIVED  
STATE CORPORATION COMMISSION  
FEB 9 1994  
CONSERVATION DIVISION  
Wichita, Kansas

PHONE: (713) 629-2600

TERMS: NET 30 DAYS

PAY THIS AMOUNT

6,246.67

CUSTOMER COPY



HALLIBURTON ENERGY SERVICES

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

INVOICE

CONFIDENTIAL

INVOICE NO.	DATE
549214	11/02/1993

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
UNDERWOOD "A" 3		SEWARD		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		GABBERT & JONES	CEMENT PRODUCTION CASING		11/02/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
19595	D. D. GLICK		53876	COMPANY TRUCK	53272

ORIGINAL

DIRECT CORRESPONDENCE TO:

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

OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2000  
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	10 MI		2.75	27.50
		1 UNT			
001-016	CEMENTING CASING	6721 FT		2,050.00	2,050.00
		1 UNT			
030-016	CEMENTING PLUG SW ALUM TOP	5.5 IN		60.00	60.00
		1 EA			
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1 EA		121.00	121.00
	825.205				
4A	FLOAT COLLAR-SSII-5-1/2 8RD	1 EA		253.00	253.00
	836.07100				
40	CENTRALIZER-8-5/8 X 12-1/4	14 EA		44.00	616.00
	806.60022				
504-043	CEMENT - PREMIUM	145 SK		8.95	1,297.75
504-118	CEMENT - HALL. LIGHT PREMIUM	160 SK		8.05	1,288.00
507-210	FLOCELE	76 LB		1.40	106.40
508-002	POTASSIUM CHLORIDE	250 LB		.27	67.50
508-101	THIXSET COMPONENT A	136 LB		5.35	727.60
508-103	THIXSET COMPONENT B	4 LB		8.95	304.30
500-207	BULK SERVICE CHARGE	310 CFT		1.35	418.50
500-305	MILEAGE CNTG MAT DEL OR RETURN	452.096 TMI		.95	438.99
INVOICE SUBTOTAL					7,776.54
DISCOUNT (BID)					1,555.30
INVOICE BID AMOUNT					6,221.24
KANSAS STATE SALES TAX					223.41
SEWARD COUNTY SALES TAX					45.58
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					6,545.23

KCC  
FEB 7  
CONFIDENTIAL

RELEASED  
MAY 24 1995

FROM CONFIDENTIAL

US22-2040

11/14/95

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event of default, customer agrees to pay attorney fees of 20% of the unpaid account plus all collection and court costs.