

CONFIDENTIAL

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

API NO. 45 189-21,541-00-00
County Stevens
N/2 - S/2 - SE Soc. 29 Twp. 33S Rge. 38 X U

ORIGINAL

Operator: License # 4549
Name: Anadarko Petroleum Corporation
Address P. O. Box 351
City/State/Zip Liberal, KS 67905-0351

990 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 Light "U" Well # 1
Field Name Gentzler SW

Purchaser: To be determined
Operator Contact Person: J. L. Ashton **SEP 9**

Producing Formation Morrow
Elevation: Ground 3198 KB NA
Total Depth 6650 PBTD 6198

Contractor: Name: Norseman Drilling, Inc.
License: 03779

Amount of Surface Pipe Set and Cemented at 1715 Feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set _____ Feet

Wellsite Geologist: NA

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW KCC 72
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cnt.
Drilling Fluid Management Plan ALT 1 92 10-13-93
(Data must be collected from the Reserve Pit)

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 _____ PBTD
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____
5-11-93 5-23-93 8-27-93
Spud Date Date Reached TD Completion Date

Chloride content 900 ppm Fluid volume 5000 bbls
Dewatering method used Neutral Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. 9-13-1993
RELEASED
Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W
County STEVENS Docket No. 9-13-1993

RECEIVED
KANSAS CORPORATION COMMISSION
9-13-1993
SEP 13 1993
OCT 12 1994
CONSERVATION DIVISION
WICHITA, KS

INSTRUCTIONS: An original and two copies of this form shall be filed with the State 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 9-9-93
Subscribed and sworn to before me this 9th day of September 1993.
Notary Public Cheryl Steers
Date Commission Expires _____
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 N/A
Distribution
 KCC SWD/Rep NSPA
 KGS Plug Other
(Specify)

Operator Name Anadarko Petroleum Corporation Lease Name Light "U" Well # 1

Sec. 29 Twp. 33S Rge. 38

East

County Stevens

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.)

List All E.Logs Run: CALIPER
DUAL INDUCTION
COMPENSATED NEUTRON
GAMMA MINILOG
SONIC BOND

Log Formation (Top), Depth and Datum 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#	1715	Pozmix & Class "H"	760	4% gel 2% cc 2% cc
Production	7 7/8	5 1/2	15.5#	6317	LW & Thixset	225	1#/sx flocele 5#/sx gilsonite
			FO TOOL		LW	115	0.3 Halad 344

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
4	6180-6181		A/100 gal 7 1/2% fe HCL	
4	6200-6201		None. Set CIBP @ 6195.	
4	6173-6190		Pmp 13944 gal 40% crosslink gel.	
4	6223-6225		A/500 gal 15% HCL acid. Sqz w/25 sxs Class H cmt w/.6% Halad 322.	
4	6173-6190		Set CIBP @ 6198. None	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	6189	-	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. _____ Producing Method Flowing Pumping Gas Lift Other (Explain)
SI WO Pipeline Connection

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcfd	Water Bbls.	Gas-Oil Ratio	Gravity
	-	140	15	-	-

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled 6173-6190
 Other (Specify) _____

Production Interval

CONFIDENTIAL ORIGINAL

ATTACHMENT

LIGHT "U" NO. 1
SECTION 29-33S-38W
STEVENS COUNTY, KANSAS

API# 15-189-21541

KCC
SEP 9
CONFIDENTIAL

RELEASED
OCT 12 1994
FROM CONFIDENTIAL

<u>NAME</u>	<u>TOP</u>
B/STONE CORRAL	1730
CHASE	2534
COUNCIL GROVE	2862
ADMIRE	3112
WABAUNSEE	3303
TOPEKA	3578
HEEBNER	4118
TORONTO	4140
LANSING	4242
MARMATON	4964
CHEROKEE	5194
MORROW	5774
U. MORROW "D"	5973
L. MORROW	6110
L. MORROW "G-2"	6173
U. KEYES	6208
L. KEYES	6222
CHESTER	6249
ST. GENEVIEVE	6359
ST. LOUIS	6486

RECEIVED
KANSAS CORPORATION COMMISSION
SEP 13 1993
CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL

ORIGINAL

NORSEMAN DRILLING, INC.
WICHITA, KANSAS
DRILLERS' WELL LOG

WELL NAME: LIGHT "U" #1
SECTION 29-33S-38W
STEVENS COUNTY, KANSAS

NCC

SEP 9

COMMENCED: MAY 11, 1993

CONFIDENTIAL

COMPLETED: MAY 24, 1993

OPERATOR: ANADARKO PETROLEUM CORPORATION API # 15-189-21541

Depth		Formation	Remarks
From	To		
0	1156	Sand & Redbed	Ran 42 jts of 24#
1157	1364	Glorietta Sand	8 5/8" csg set @
1365	2350	Redbed	1715'; w/550 SX of
2351	6650	Lime-Shale	50/50 pozmix-4% Gel-2%CC Tailed with 200 SX Class H-2%CC Job complete at 8:00 a.m. 05/13/93.

RELEASED

OCT 12 1994

FROM CONFIDENTIAL

Ran 5 1/2" 15.50#,
Set @ 6317'; Cement
w/50 SX 65/35 Pozmix
Class H; 6% Gel;
Tailed w/175 SX
Thix Preium H; with
1/4# Cello flake; 5#
SX Gilsonite 0.3%
Halad 344; Plug down
@ 2:15 p.m. on
05/24/93

STATE OF KANSAS

)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.

COUNTY OF SEDGWICK

NORSEMAN DRILLING, INC.

James P. Reilly

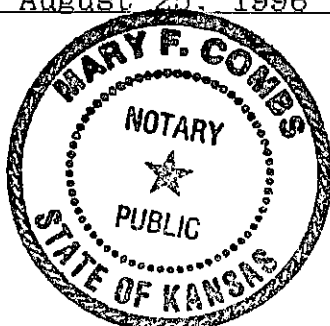
JAMES P. REILLY, PRESIDENT

Subscribed & sworn to before me this

June 22, 1993

My Appointment Expires:

August 25, 1996



Mary F. Combs

Mary F. Combs, Notary Public
8515 S. West Street
Wichita, KS 67233

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KANSAS CORPORATION COMMISSION
SEP 13 1993
CONSERVATION DIVISION
WICHITA, KS



ORIGINAL

P.O. BOX 951046
DALLAS, TX 75395-1046

HALLIBURTON SERVICES

CONFIDENTIAL

INVOICE

A Halliburton Company

INVOICE NO.	DATE
345458	05/24/1993

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
IGHT "U" 1	STEVENS	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
IBERAL	NORSEMAN #1	CEMENT PRODUCTION CASING	05/24/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
19595	MICHAEL T. BOSE		33876
SHIPPED VIA			FILE NO.
COMPANY TRUCK			51242

100

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

SEP 9
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	RICING AREA - EASTERN AREA1 MILEAGE	10	MI	2.75	27.50
001-016	CEMENTING CASING	6317	FT	1,745.00	1,745.00
030-016	CEMENTING PLUG 5W ALUM TOP	5 1/2	IN	60.00	60.00
218-738	CLAYFIX II	2	GAL	21.50	43.00
018-315	MUD FLUSH	1260	GAL	.65	819.00
504-118	CEMENT - HALL. LIGHT PREMIUM	50	SK	7.89	394.50
504-043	CEMENT - PREMIUM	175	SK	8.69	1,520.75
507-210	FLOCELE	44	LB	1.40	61.60
507-778	HALAD-344	50	LB	23.00	1,150.00
508-101	THIXSET COMPONENT A	165	LB	5.35	882.75
508-103	THIXSET COMPONENT B	42	LB	8.40	352.80
508-291	GILSONITE BULK	875	LB	.40	350.00
500-207	BULK SERVICE CHARGE	246	CFT	1.25	307.50
500-306	MILEAGE CMTG MAT DEL OR RETURN	77.830	TMI	.85	66.16
INVOICE SUBTOTAL					7,780.56
DISCOUNT-(BID)					1,556.11-
INVOICE BID AMOUNT					6,224.45
*--KANSAS STATE SALES TAX					156.62
*--SEWARD COUNTY SALES TAX					31.97
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$6,413.04

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KANSAS CORPORATION COMMISSION
SEP 13 1993
CONSERVATION DIVISION
WICHITA KS

4214-2040
KH

Joe James
6296

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



ORIGINAL

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

CONFIDENTIAL

INVOICE NO.	DATE
345626	05/13/1993

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
IGHT "U" 1	STEVENS	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	NORSEMAN	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

SEP 9

CONFIDENTIAL

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	1715	FT	1,105.00	1,105.00
		1	UNT		
030-016	CEMENTING PLUG SW 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" X 12 1/2"	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	343.80	TMI	.85	292.23 *
	INVOICE SUBTOTAL				9,408.18
	DISCOUNT-(BID)				3,776.63
	INVOICE BID AMOUNT				5,631.55
	*-KANSAS STATE SALES TAX				243.76

***** CONTINUED ON NEXT PAGE *****

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KANSAS CORPORATION COMMISSION

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.



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CONFIDENTIAL

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
345626	05/13/1993

INVOICE

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
GHT "U" 1	STEVENS	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
BERAL	NORSEMAN	CEMENT SURFACE CASING	05/13/1993		
COCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
9595	DAVID GILMORE		33876	COMPANY TRUCK	50719

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

SEP 9

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
	*-SEWARD COUNTY SALES TAX				49.77
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$5,925.08

4214-2040
KA

RECEIVED
KANSAS CORPORATION COMMISSION
SEP 13 1993
CORPORATION DIVISION
ALBANY, KS

FINAL APPROVAL	
AFE #	LOCATION
LIBERAL OPERATIONS	RECEIVED
MAY 24 1993	
APPROVED	IDC
DATE	TANGIBLE
CODED BY	OPERATIONS

S-27-13

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.

CUSTOMER COPY

INVOICE



ORIGINAL
CONFIDENTIAL

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

INVOICE NO.	DATE
507238	07/15/1993

WELL LEASE NO./PROJECT RIGHT "U" 1		WELL/PROJECT LOCATION STEVENS		STATE KS	OWNER SAME
SERVICE LOCATION LIBERAL		CONTRACTOR BRUCE WELL SERVICE	JOB PURPOSE SQUEEZE HOLE IN CASING		TICKET DATE 07/15/1993
COCT. NO. 19595	CUSTOMER AGENT STEVE RIDENOUR	VENDOR NO.	CUSTOMER P.O. NUMBER 33876	SHIPPED VIA COMPANY TRUCK	FILE NO. 5373

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

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

NOV
SEP 9
CONFIDENTIAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE	40	MI	2.75	110.00
		1	UNT		
009-134	CEMENT SQUEEZE	6220	FT	1,815.00	1,815.00
009-019		1	UNT		
504-043	CEMENT - PREMIUM	25	SK	8.69	217.25
507-775	HALAD-322	15	LB	6.90	103.50
500-058	MINIMUM DELIVERY CEMENT	25	SK	8.69	217.25
500-207	BULK SERVICE CHARGE	50	CFT	1.25	62.50
500-306	MILEAGE CMTG MAT DEL OR RETU	18.860	TMI	.85	65.00MM

INVOICE SUBTOTAL 2,590.50

DISCOUNT-(BID) 518.10-

INVOICE BID AMOUNT 2,072.40

*-KANSAS STATE SALES TAX 101.56

*-SEWARD COUNTY SALES TAX 20.73

4214-2060
14

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KANSAS CORPORATION COMMISSION

SEP 13 1993

Jim Leavelle

OFFICE #	LOCATION
LIBERAL OPERATIONS RECEIVED	
JUL 29 1993	
APPROVED	DOC
7/29/93	
CODED BY	TANGIBLE
	OPERATIONS

INVOICE TOTAL - PLEASE PAY THIS AMOUNT ***** > \$2,194.69

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 Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.