

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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

CONFIDENTIAL

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: NONE-SIGW

Operator Contact Person: DAVID W. KAPPL

Phone (316) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

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

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

1-13-98 1-22-98 2-25-98
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21673-00-00

County SEWARD

SW - NE - NW - SE Sec. 13 Twp. 34 Rge. 34 X W

2000 Feet from X(S) (circle one) Line of Section

1750 Feet from (E)X (circle one) Line of Section

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

Lease Name WILSON "F" Well # 1

Field Name WIDEAWAKE

Producing Formation MORROW

Elevation: Ground 2901.2 KB _____

Total Depth 6700 PBTB 6205

Amount of Surface Pipe Set and Cemented at 1626 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 cmt.

Drilling Fluid Management Plan AM-1, 7-30-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1200 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Location of fluid disposal if hauled offsite:

Operator Name KCC

Lease Name MAY 8 License No. _____

CONFIDENTIAL 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, 130 S. Market - Room 2078, 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 L. Marc Harvey

Title DRILLING TECHNICAL ASSISTANT Date 5-8-98

Subscribed and sworn to before me this 8th day of May 19 98.

Notary Public Freda L. Hinz

Date Commission Expires _____

FREDA L. HINZ
Notary Public - State of Kansas
My Appt. Expires 5-15-99

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
MAY 4 KCC
5-11-98 KGS
_____ SWD/Rep _____ NGPA
_____ Plug _____ Other
RELEASED
MAY 08 2000

Form ACO-1 (7-9T)

FROM CONFIDENTIAL

SIDE TWO

ORIGINAL

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name WILSON "F" Well # 1

Sec. 13 Twp. 34 Rge. 34 East County SEWARD
 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: SBT-CCL-GR, DIL, CNL-LDT, ML, SONIC.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
CHASE	2605	
COUNCIL GROVE	2989	
HEEBNER	4318	
TORONTO	4351	
LANSING	4472	
MARMATON	5191	
CHEROKEE	5462	
MORROW	5846	
CHESTER	6180	
ST. LOUIS	6658	

CONFIDENTIAL
UNTIL 5-8-2000

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"	23.0	1626	P+ MIDCON 2/ P+	365/100	3%CC, 1/4#SKFLC/ 2%CC, 1/4#SKFLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6695	P+ MIDCON 2/ 50/50 POZ.	70/50	2%CC, 1/4#SK FLC/ .75% HALAD 322, 10% SALT, 1/4#SK FLC.

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 checked="" type="checkbox"/> Plug Off Zone	6595-6618	CLASS H	50	NEAT

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	6595-6618, SQZD.		
2	6577-6583, CIBP @ 6205'	ACID: 300 GAL 7 1/2% HCL.	6577-6583
2	6140-6146	ACID: 300 GAL 7 1/2% HCL.	6140-6146

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. WOPL & PROD EQUIP.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil 0 Bbls.	Gas TSTM Mcf	Water 0 Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: TO BE Vented Sold Used on Lease (If vented, submit ACO-18.)

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

Production Interval 6140-6146

COPY

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

CONFIDENTIAL

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: NONE-SIGW

Operator Contact Person: DAVID W. KAPPLER

Phone (316) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

1-13-98 1-22-98 2-25-98
 Spud Date Date Reached TD Completion Date

API NO. 15- 175-21673

County SEWARD

SW - NE - NW - SE Sec. 13 Twp. 34 Rge. 34 E W

2000 Feet from (circle one) Line of Section

1750 Feet from (circle one) Line of Section

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

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Elevation: Ground 2901.2 KB _____

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If yes, show depth set _____ Feet

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feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AH-1, 7-30-98 UC
(Data must be collected from the Reserve Pit)

Chloride content 1200 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: _____

Operator Name KCC **RELEASED**

Lease Name MAT B License No. MAY 08 2000

Quarter SE Sec. 13 Twp. 34 S Rng. 34 E/W

County SEWARD Docket No. FROM CONFIDENTIAL

CONFIDENTIAL

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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 L. Marc Harvey
L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 5-8-98

Subscribed and sworn to before me this 8th day of May 19 98.

Notary Public Freda L. Minz

Date Commission Expires _____

FREDA L. MINZ
 Notary Public - State of Kansas
 My Appt. Expires 5-15-99

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
 C Wireline Log Received
 C Geologist Report Received

Distribution _____
 _____ SWD/Rep _____ NGPA
 _____ Plug _____ Other
 _____ (Specify)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name WILSON "F" Well # 1

Sec. 13 Twp. 34 Rge. 34 East County SEWARD

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.

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(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

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List All E.Logs Run: SBT-CCL-GR, DIL, CNL-LDT, ML, SONIC.

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CONFIDENTIAL
UNTIL 5-8-2000

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<input type="checkbox"/> Protect Casing	6595-6618	CLASS H	50	NEAT
<input type="checkbox"/> Plug Back TD				
<input checked="" 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	
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2	6577-6583, CIBP @ 6205'		ACID: 300 GAL 7 1/2% HCL.	6577-6583
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TUBING RECORD	Size	Set At	Packer At	Liner Run
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. WOPL & PROD EQUIP. Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf TSTM	Water Bbls.	Gas-Oil Ratio	Gravity
	0		0		

Disposition of Gas:
TO BE

Vented - Sold Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval

6140-6146

COPY

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

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 Plug Back _____ PBDT
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(Data must be collected from the Reserve Pit)

Chloride content 1200 ppm Fluid volume 700 bbls

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Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name MAY 8 License No. _____

County SEWARD Twp. _____ S Rng. _____ E/W

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KCC
MAY 8
CONFIDENTIAL

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Signature L. Marc Harvey
Title DRILLING TECHNICAL ASSISTANT

Date 5-8-98

Subscribed and sworn to before me this 8th day of May 19 98.

Notary Public Freda L. Hinz

Date Commission Expires _____

FREDA L. HINZ
Notary Public - State of Kansas
My Appl. Expires 5-15-99

K.C.C. OFFICE USE ONLY	
F	Letter of Confidentiality Attached
C	Wireline Log Received
C	Geologist Report Received
Distribution	
_____	SWD/Rep
_____	Plug
_____	RELEASED
(Specify)	
MAY 08 2000	

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name WILSON "F" Well # 1

Sec. 13 Twp. 34 Rge. 34 East County SEWARD

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CONFIDENTIAL
UNTIL 5-8-2000

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2	6140-6146	ACID: 300 GAL 7% HCL.	6140-6146

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. WOPL & PROD EQUIP. Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf TSTM	Water Bbls.	Gas-Oil Ratio	Gravity
	0		0		

Disposition of Gas: TO BE Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval 6140-6146

ORIGINAL

DRILLERS LOG

ANADARKO PETROLEUM CORPORATION
WILSON F-1
SECTION 13-T34S-R34W
SEWARD COUNTY, KANSAS

COMMENCED: 01-13-98
COMPLETED: 01-24-98

SURFACE CASING: 1626' OF 8 5/8" CMTD
W/365 SKS PREMIUM PLUS MIDCON + 3% CC
+ 1/4 #/SK FLOCELE. TAILED IN W/100 SKS
PREMIUM PLUS + 2% CC + 1/4 #/SK FLOCELE.

CONFIDENTIAL

FORMATION

DEPTH

FORMATION	DEPTH
SURFACE HOLE	0 - 1630
SHALE & RED BED	1630 - 2040
SHALE	2040 - 2855
LIMESTONE & SHALE	2855 - 6700 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

Wray Valentine

WRAY VALENTINE

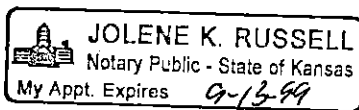
KCC
MAY 8
CONFIDENTIAL

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 28TH DAY OF JANUARY, 1998.

JOLENE K. RUSSELL

Jolene K. Russell
NOTARY PUBLIC



RELEASED

MAY 08 2000

FROM CONFIDENTIAL



JOB SUMMARY 4239-1

TICKET #	234482	TICKET DATE	1-14-98
REGION	North America	NWA/COUNTRY	Mex. Continent
MBU ID / EMP #	HT0105 63601	EMPLOYEE NAME	D. McHane
LOCATION	Liberal	COMPANY	Anadarko Petroleum
TICKET AMOUNT		WELL TYPE	02
WELL LOCATION	land	DEPARTMENT	Zone 1 Isolation
LEASE / WELL #	Wilson F-1	SEC / TWP / RNG	13 34S 34W
HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS		HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	
HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS		HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	

BDA / STATE	KS	COUNTY	Seward
PSL DEPARTMENT	Zone 1 Isolation	CUSTOMER REP / PHONE	
API / UWI #		JOB PURPOSE CODE	010

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	B. Tamblson J1832	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	S. Tel Fard H4817	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	D. Geffroy H2441
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ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
52938-75058	13						
38242	13						
50737-6612	54						
52920-75817	54						

CONFIDENTIAL

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
1-14-98	0250	0500	0855	1000

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar Insert 8 5/8	1	H
Float Shoe		
Guide Shoe Reg 8 5/8	1	O
Centralizers 8 5/8	4	
Bottom Plug		W
Top Plug 5W 8 5/8	1	
Head PK 8 5/8	1	C
Packer		
Other Basket 8 5/8	1	O

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	U	23	8 5/8	1841	KB	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				See Job Log
				RELEASED
				MAY 08 2000
				FROM CONFIDENTIAL
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER	Used
TREATED	AVERAGE RATES IN BPM	Overall
FEET	CEMENT LEFT IN PIPE	Reason
44		Shoe Joint

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	365	mid Con Pt	B	3% CC 1/4 #/sk Shale	3.22	11.1
	107	Prep. Plas	B	2% CC 1/4 #/sk Shale	1.32	14.8

Circulating	Displacement	Preflush:	Gal - BBI	Type
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp: BBI - Gal
Shut In: Instant	5 Min 15 Min	Cement Slurr	Gal - BBI	102
		Total Volume	Gal - BBI	10.09 10.33.5

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE: *[Signature]*

REGION North America	NWA/COUNTRY m.d. Continent	BDA / STATE KS	COUNTY Sevier
MBU ID / EMP # 17005 63601	EMPLOYEE NAME D. McNamee	PSL DEPARTMENT Zonal Isolation	
LOCATION Liberal	COMPANY Amtrack Petroleum	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE 02	API / UWI #	
WELL LOCATION Liberal	DEPARTMENT Zonal Isolation	JOB PURPOSE CODE 010	
LEASE / WELL # Ukran 14	SEC / TWP / RNG 13 34S 34W		

HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS
B. Tomlinson 11832			
S. Telasco 144817			
D. Carpenter 1121411			

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0250							Job Ready Now
	0250							Called for Job
	0300							on location Rig still Drilling
	0330							Rig through Data & Start Circulating
	0400							Rig through Circulating
	0607							Start Tripping out DSP
	0730							Start Running Csg & Float Equip.
	0820							Csg on Bc Horn
	0825							Hook up PIC & Circulating Tool
	0833							Start Circulating
	0850							Through Circulating
	0851							Hook up to Halliburton
								Job Procedure 8 5/8 Suv Sacc
	0855	6	209	✓		9/100		Start Load Cement
	0925	6	235	✓		100/25		Start Tail Cement
	0929					0		Through mixing Cement
	0930					0		Shut Down & Release Plug
	0931	6	102	✓		07/100		Start Displacement
	0937					100/20		Displacement Caught Cement 40 Bbls out
	0957	3				350/20		Slow Down Rate
	1000					400/20		Plug landed
	1000							Release Float
								Float hold
								RELEASED
								MAY 08 2000
								FROM CONFIDENTIAL
								Thank You for Calling Halliburton
								Danny & Bryan & Crew
								CONSERVATION DIVISION
								Wendy

CONFIDENTIAL

KCC
MAY 8
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Circulate 17 Bbls out to Pit
305 lbs to Pit



JOB SUMMARY 4239-1

TICKET # 234488	TICKET DATE 1-24-98
BDA / STATE KS	COUNTY Seward
PSL DEPARTMENT Zonal Isolation	CUSTOMER REP / PHONE
API / UWI #	JOB PURPOSE CODE 035

REGION North America	NWA/COUNTRY Mid Continent
MBU ID / EMP # 110105 63601	EMPLOYEE NAME O. Michane
LOCATION Liberal	COMPANY Anadarko Petroleum
TICKET AMOUNT 9500.16	WELL TYPE 01
WELL LOCATION Laramie	DEPARTMENT Zonal Isolation
LEASE / WELL # Wilson #1	SEC / TWP / RNG 13 34S 34W

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
B. Tomlinson J1832			
C. Ashley 414061			

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
38242	12						
52938-75058	12						
51984-77031	64						

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Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar Insert 5/8	1	14
Float Shoe		
Guide Shoe Reg 5/12	1	0
Centralizers 5/12	12	
Bottom Plug		W
Top Plug 5/12	1	
Head PIC 5/12	1	C
Packer		
Other		0

MATERIALS

Treat Fluid _____	Density _____	Lb/Gal _____
Disp. Fluid _____	Density _____	Lb/Gal _____
Prop. Type _____	Size _____	Lb. _____
Prop. Type _____	Size _____	Lb. _____
Acid Type _____	Gal. _____	% _____
Acid Type _____	Gal. _____	% _____
Surfactant _____	Gal. _____	In _____
NE Agent _____	Gal. _____	In _____
Fluid Loss _____	Gal/Lb _____	In _____
Gelling Agent _____	Gal/Lb _____	In _____
Fric. Red. _____	Gal/Lb _____	In _____
Breaker _____	Gal/Lb _____	In _____
Blocking Agent _____	Gal/Lb _____	In _____
Perfpac Balls _____	Qty. _____	
Other _____		
Other _____		
Other _____		
Other _____		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	1-23-98	1-23-98	1-24-98	1-24-98
TIME	2130	2330	0625	0900

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	0	15.5	5 1/2	6695	62	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		STARTING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				See Job Log
TOTAL		TOTAL		

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RELEASED

MAY 08 2000

HYDRAULIC CROSSOVER
 ORDERED _____ Avail. _____ Used _____
AVERAGE RATES IN BPM
 TREATED _____ Disp. _____ Overall _____
CEMENT LEFT IN PIPE: _____
 FEET **15** Reason: **W. 1' Since Joint**

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	25	Mid Con PT	B	2% CC 1/4 Fisk 3000	5.22	11.1
	45	"	B	"	2.00	12.8
	50	SP/50 Pac	B	.75% Hated 322 10% Sulf 1/4 F/62 3000	1.28	19.4
	25	Mid Con PT	B	Rest of Flowline Halc		

Circulating _____ Displacement _____
 Breakdown _____ Maximum _____
 Average _____ Frac Gradient _____
 Shut In: Instant _____ 5 Min _____ 15 Min _____

Preflush: Gal **(B) 8-10" EW** Type **H2O 24 PSI/50**
 Load & Bkdn: Gal - BBI Pad: BBI - Gal
 Treatment Gal - BBI Disp: BBI - Gal **5.7**
 Cement Slurr Gal - BBI **5.2 1.9 3.2 1.6 1.6 1.1**
 Total Volume Gal - BBI _____

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____
 THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER'S REPRESENTATIVE SIGNATURE _____



JOB LOG 4239-5

TICKET #	234488	TICKET DATE	1-24-98
REGION	North America	BDA / STATE	KS
NWA/COUNTRY	Mid Continent	COUNTY	Seward
MBU ID / EMP #	17105 (366)	PSL DEPARTMENT	Zonal Isolation
EMPLOYEE NAME	D. McKane	CUSTOMER REP / PHONE	
LOCATION	Liberal	API / UWI #	
TICKET AMOUNT	9500.16	DEPARTMENT	Zonal Isolation
WELL TYPE	SI	JOB PURPOSE CODE	035
WELL LOCATION	K-Well	SEC / TWP / RNG	13 34S 34W
LEASE / WELL #	W. K. E-1		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
B. Tankers 11872			
C. Ashby 44061			

ORIGINAL CONFIDENTIAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psl)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0130							Job Ready
	0131							Called for Job
	0230							on location Rig Laying Down D.P.
	0300							Set up Pump Truck
	0400							Start R. Running, run Csg & Float Equip.
	0630							Casino on Bottom
	0631							Hook up P&G & Circulating Team
	0656	3	7	✓		0		Start Circulating
	0726							Plus Rate Mouse Hole
	0727							through Circulating
								Hook up to Halliburton
								Job Procedure 5 1/2 Long String
	0730	3	5	✓				Bring on mud to Est Rate KCC
	0752	3	100	✓				Bring on 10
	0804	3		✓				Take off 12
	0804	6	8	✓				Start Sursh water
	0806	6	10	✓				Start Super Flush
	0809	6	8	✓				Start Sursh water
	0812	6	14	✓				Start lead Cement @ 11.1 #/gal
	0813	6	16	✓				Start Middle Cement @ 12.8 #/gal
	0816	6	11	✓				Start Tail Cement @ 14.4 #/gal
	0817							through mixing Cement
	0819							Shut Down & Release Plug
	0820							hook up pumps & lines
	0823	6	159	✓				Start Displacement
	0847			✓				Displacement Caught Cement
	0849	3		✓				Slow Down Rate
	0853			✓				Plus Landard
	0854							Release Plug
								Start hold

MAY 8
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RELEASED Thank You For Calling Halliburton

MAY 08 2000 Dan & Bryan & Clint

FROM CONFIDENTIAL



JOB SUMMARY 4239-1

TICKET # 234536	TICKET DATE 2-13-98
BDA / STATE KANSAS	COUNTY SEWARD
PSL DEPARTMENT 5001	CUSTOMER REF / PHONE JP STUCK
API / OWI #	

REGION North America	NWA/COUNTRY U.S.A.
MBU ID / EMP # LT0105 D-4360	EMPLOYEE NAME ROBERT ELWOOD
LOCATION General Kansas	COMPANY ANADARKO PER. COMP.
TICKET AMOUNT	WELL TYPE

WELL LOCATION W General Ks	DEPARTMENT 5001	JOB PURPOSE CODE 075
LEASE / WELL # W General E-1	SEC / TWP / RANG 13 34 S 34 W	

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
R. Spence 0-4360			
S. Rames 11-3377			
D. Conroy 11-2441			

ORIGINAL CONFIDENTIAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420044 P.U.							
52334-76900							
52920-75217							

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE	2-13-98	2-13-98	2-13-98	2-13-98
TIME	10:00	13:00	14:55	17:40

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	11	5 1/2	GL	10336 T	
Liner					
Liner					
Tbg/D.P.	11	2 3/8	K.B	10550	
Tbg/D.P.					
Open Hole					SHOTS/FT.
Perforations				10596	
Perforations					
Perforations					

MATERIALS

Treat Fluid _____	Density _____	Lb/Gal _____
Disp. Fluid _____	Density _____	Lb/Gal _____
Prop. Type _____	Size _____	Lb. _____
Prop. Type _____	Size _____	Lb. _____
Acid Type _____	Gal. _____	% _____
Acid Type _____	Gal. _____	% _____
Surfactant _____	Gal. _____	In _____
NE Agent _____	Gal. _____	In _____
Fluid Loss _____	Gal/Lb _____	In _____
Gelling Agent _____	Gal/Lb _____	In _____
Fric. Red. _____	Gal/Lb _____	In _____
Breaker _____	Gal/Lb _____	In _____
Blocking Agent _____	Gal/Lb _____	Gal/Lb _____
Perpac Balls _____	Qty. _____	
Other _____		
Other _____		
Other _____		
Other _____		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				KCC MAY 8 CONFIDENTIAL
TOTAL		TOTAL		

RELEASED

MAY 08 2009

FROM CONFIDENTIAL

ORDERED	HYDRAULIC HORSEPOWER	Avail. _____	Used _____
TREATED	AVERAGE RATES IN BPM	Disp. _____	Overall _____
FEET	CEMENT LEFT IN PIPE	Reason _____	

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	250	H	0	NEAR ZERO	1.06	16.4
	25					

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI 500	Disp: BBI - Gal _____
Shut In: Instant _____	5 Min _____	Cement Slurr Gal - BBI _____	
	15 Min _____	Total Volume Gal - BBI Job Log	

Frac Ring #1	Frac Ring #2	Frac Ring #3	Frac Ring #4
THE INFORMATION STATED HEREIN IS CORRECT			
CUSTOMER'S REPRESENTATIVE SIGNATURE _____			

TICKET #	234536	TICKET DATE	2-13-98
BDA / STATE	KANSAS	COUNTY	SEWARD
PSL DEPARTMENT	5001	CUSTOMER REP / PHONE	DR. STUCK
API / UWI #			

REGION	North America	NWA/COUNTRY	U.S.A
MBU ID / EMP #	LEO105 D-4360	EMPLOYEE NAME	ROBERT ELWOOD
LOCATION	LIBERAL KANSAS	COMPANY	ANADARKO PET CORP
TICKET AMOUNT		WELL TYPE	

WELL LOCATION	W. LIBERAL KS	DEPARTMENT	5001
LEASE / WELL #	WILSON F-1	SEC / TWP / RNG	13 34 S. 34 W.

JOB PURPOSE CODE	075
------------------	-----

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
R. ELWOOD D. 4360			
S. RAYNES H. 3377			
D. CARPENTIER H. 2441			

ORIGINAL CONFIDENTIAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	10:00							CALLER OUT FROM 13:00
	12:00							ON LOC. Rig Picking up TURNING HOOP to HALLIBURTON!
	14:50							PRESSURE 10.0 PSI
	14:54		4.6	✓	0	0		
	15:10			✓	0	0		SHUT DOWN to Tinkered P.O.P
	15:27		2.5	✓	0	0		PRESSURE 10.0 PSI
	15:29			✓	0	300		SHUT DOWN
	15:30	2	16	✓		650	300	INJECTION RATE
	15:38			✓		700	300	SHUT DOWN
	15:39							MT. Cont @ 16.4#/gal
	15:43	1.5	9.4	✓		600	300	Pump Cont (25 SPS HORIZ. Pump @ 25 SPS, 1st)
	15:50			✓		800	300	SHUT DOWN wash Pumps to PIT
	15:53			✓		11AC	300	Discharge with Fresh Water
	15:56	1.5	6	✓		-10	300	Control Cont
	16:02	1.5	19.25	✓		800	300	SHUT DOWN Total out 25 1/4 BBLs
	16:21	1/4	1/4	✓		140	300	Pump
	16:21			✓		375	300	SHUT DOWN Total out 25 1/2 BBLs
	16:36	1/4	1/2	✓		85	300	Pump
	16:37			✓		650	300	SHUT DOWN Total out 26 BBLs
	17:10	1/4	1/4	✓		40	300	Pump
	17:12			✓		770	300	SHUT DOWN Total out 26 1/4 BBLs
	17:27	0	0	✓		144	300	Pump
	17:37			✓		1190	300	SHUT DOWN Total out 26 1/2 BBLs
	17:40			✓		1190	300	Pressure Cont
	17:41					2	0	Pressure Cont
	17:42	3	36	✓		500		Pressure OUT
	17:52					132		SHUT DOWN
	18:00							Job Complete

KCO
MAY 8
CONFIDENTIAL

RELEASED
MAY 08 2000

THANK YOU FOR CALLING
Halliburton
R. Stuck # 2201
MAY 8 1998

FROM CONFIDENTIAL...