

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: NONE-TO P&A

Operator Contact Person: DAVID W. KAPPLER

Phone (316) 624-6253

Contractor: Name: BIG "A" DRILLING

License: 31572

Wellsite Geologist: _____

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:

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. _____

2-15-98 2-25-98 5-21-98

Spud Date Date Reached TD Completion Date

API NO. 15- 189-22275-00-00

County STEVENS

260'N & 100'W OF _____ E

- NW - SE - SW Sec. 24 Twp. 34 Rge. 37 X W

1250 Feet from X (S) (circle one) Line of Section

1550 Feet from X (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE, SE, NW or (SW) (circle one)

Lease Name HJV-JENNISON "A" Well # 1

Field Name VOORHEES

Producing Formation NONE

Elevation: Ground 3113.9 KB _____

Total Depth 6900 PBTD 5281

Amount of Surface Pipe Set and Cemented at 1744 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3246 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan D+A, 6-29-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

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, 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

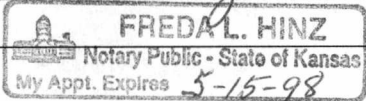
L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 6-12-98

Subscribed and sworn to before me this 12th day of June 19 98.

Notary Public Freda L. Hinz

Date Commission Expires _____



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)

SIDE TWO

ORIGINAL

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HJV-JENNISON "A" Well # 1

Sec. 24 Twp. 34 Rge. 37 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: SBT-CCL-GR (2), DIL, CNL-LDT, ML.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
B/STONE CORRAL	1750	
CHASE	2641	
COUNCIL GROVE	3008	
WABAUNSEE	3424	
HEEBNER	4270	
TORONTO	4297	
LANSING	4332	
MARMATON	5133	
CHEROKEE	5429	
MORROW	5971	
CHESTER	6397	
STE. GENEVIEVE	6634	
ST. LOUIS	6695	

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"	23.0	1744	P+ MIDCON 2/ P+	360/100	3%CC, %SKFLC/ 2%CC, %SKFLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6887	50/50 POZ.	160	.6% HALAD 322, 10% SALT, %#/SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	SQUEEZE TO PLUG	OFF ZONE		
<input checked="" type="checkbox"/> Protect Casing	5320-6384	50/50 POZ	50	%#/SK FLOCELE.
<input type="checkbox"/> Plug Back TD	SQUEEZE TO PROTECT	CASING		
<input checked="" type="checkbox"/> Plug Off Zone	5060-5272	50/50 POZ	75	NEAT

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	6798-6802, CMT RTNR @ 6786.		ACID: 400 GAL 15% HCL.	6798-6802
4	6764-6772, CIBP @ 6500.		ACID: 700 GAL 15% HCL.	6764-6772
3	6370-6384, SQZD, CMT RTNR @ 5281.		ACID: 700 GAL 15% HCL. FRAC: 35000 GAL FMD GEL & 90000# 20/40 SD.	6370-6384
4	5188-5193, 5260-5266.		NONE.	
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. NONE- TO P&A		Producing Method <input type="checkbox"/> Flowing <input 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

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: _____ NONE-TO P&A



JOB SUMMARY 4239-1

TICKET #	233618	TICKET DATE	2-15-98
BDA / STATE	Kansas	COUNTY	STEVENS
PSL DEPARTMENT	Cement	CUSTOMER REP / PHONE	KANSAS OIL STUCK
API / UWI #	15189222750000	JOB PURPOSE CODE	90

REGION	North America	NWA/COUNTRY	MidCont. USA
MBU ID / EMP #	LI0110 #3115	EMPLOYEE NAME	NICK KORBE
LOCATION	Liberal, KS	COMPANY	KIMMARDKO PETRO. CORP.
TICKET AMOUNT	\$13991.38	WELL TYPE	01
WELL LOCATION	Hug TE 3s	DEPARTMENT	CEMENT 5001
LEASE / WELL #	JENNISON A-1	SEC / TWP / RING	24-34s 37w

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
NICK KORBE #3115			
GARRY HUMPHRIES #1992			
MIKE LONGWORTH #9510			
DENNIS GORDON			

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
P.V. 42042							
P.T. 58022-75374							
BT 50866-6610							
BT 52823-6611							

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

DATE	2-16-98	2-15-98	2-16-98	2-16-98
TIME	1830	2100	0300	0400

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar Insert	1	H
Float Shoe Fill Tube	1	O
Guide Shoe Reg	1	W
Centralizers	4	L
Bottom Plug		O
Top Plug	1	
Head Basket	1	
Packer		
Other		

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	23"	88'	0	756 900
Liner					174'
Liner					
Tbg/D.P.			T.D. 1746		
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	Qty.
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
2-15-98	3 hrs	2-16-98	1 hr	cmt surface
2-16-98	4 hrs			
TOTAL	7 hrs	TOTAL	1 hr	

HYDRAULIC HORSEPOWER
 ORDERED _____ Avail. _____ Used _____
AVERAGE RATES IN BPM
 TREATED _____ Disp. _____ Overall _____
CEMENT LEFT IN PIPE
 FEET 41 Reason sh.jt.

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	360	Pr Midcon	B	3% CC, 1/4" floccle	3.22	11.1
1	100	Prent C	B	2% CC, 1/4" floccle	1.34	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 109 bbl
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI 230 bbl	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: *Don E...*



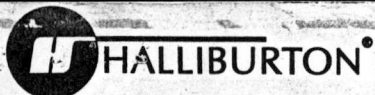
JOB LOG 4239-5

TICKET #	733618	TICKET DATE	2-15-98
BDA / STATE	KANSAS	COUNTY	STEVENS
PSL DEPARTMENT	CEMENT		
CUSTOMER REP / PHONE	OJ STUCKS RECEIVED		
API / UWI #	1518922750000		
JOB PURPOSE CODE	010		

REGION	North America	NWA/COUNTRY	MID CONT. USA
MBU ID / EMP #	LI 0110 H3115	EMPLOYEE NAME	NICK KORBÉ
LOCATION	Liberal, KS	COMPANY	ANADARKO PETRO-CORP.
TICKET AMOUNT	\$13991.38	WELL TYPE	01
WELL LOCATION	Hwy 73 3E	DEPARTMENT	Cement 5001
LEASE / WELL #	Jennison A-1	SEC / TWP / RNG	24-34s-37w

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
NICK KORBÉ H3115							
GARY HANSEN H7892							
MIKE LONGWORTH G9510							
DENNIS CORDELL							

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1830							called out
	2100							on loc
								held safety mtg
								setup Trks
								Trig drly
	0100							Start F.E.
	0235							drop Ball
	0250							Breakcnc
	0310	6	0			175		start Lead cnt 360sk 11.1 gal
	0342	6	206/0			175		start Tail cnt 100sk 14.8 gal
	0345		241			100		end cnt
	0346							release plug
	0348	6	0			50		start disp
	0410	2	108			3500		Bump Plug
	0411							Release plug
								Float held
								(Circulated 3380L or 60SK Cnt to pit)
								wash up Tr-k
								rack up Tr-k
								Job complete
								Thank you
								Nick, Gary, Mike, Dennis



JOB LOG 4239-5

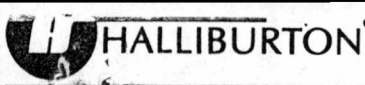
TICKET #	233643	TICKET DATE	2/28/98
REGION	North America	NWA/COUNTRY	Mid Cont.
MBU ID / EMP #	W0109	BDA / STATE	Ks
LOCATION	LIBERAL	EMPLOYEE NAME	MELISSA FOX
TICKET AMOUNT		PSL DEPARTMENT	ZONAL ISOLATION
WELL LOCATION	S/Hugotw	COMPANY	ANADARKO
LEASE / WELL #	KU-JENNISON #A-1	WELL TYPE	01
		DEPARTMENT	ZONAL ISOLATION
		SEC / TWP / RNG	24/34S/37W
		CUSTOMER REP / PHONE	
		API / UWI #	ANADARKO
		JOB PURPOSE CODE	1035

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
M Fox	10:23	L Humphries	11:49				
F McDonald	11:28	STEWART	11:47				

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1930							Called out
	1930							on loci Laying Down D.P.
	1940							SET UP TRUCK
	2100							Laying Down D.C.
	2230							START Csg d float Equip.
	0025							Put port collar ON 87 th JOINT
	0200							Hook up to CIRC.
	0230							Plus RAT & MOUSE
	0248		26			200		Pump SPACERS & SUPER FLUSH
	0257	6.0	36.7			250		Pump Cmt. @ 14.4 th
	0306							Drop Plug
	0309	5.5				0		START DISD.
	0322	6.0	60			10		DISPLACING
	0330	6.0	100			27 th		"
	0345	3.0	163			56 th 3000		Plug LANDED
	0346					300%		RELEASE PRESS. Float Hold

ORIGINAL

THANKS for calling
Halliburton
MELISSA FOX & CREW



JOB SUMMARY

ORDER NO. 70006

TICKET #	233646	TICKET DATE	3/3/98
BDA / STATE	Ks	COUNTY	STEUBENS
PSL DEPARTMENT	Zonal Isolation		
CUSTOMER REP / PHONE	JACK TUMAN		
API / UWI #	15-1892-2275		
JOB PURPOSE CODE			

REGION	North America	NWA/COUNTRY	Mid Cont
MBU ID / EMP #	610109	EMPLOYEE NAME	Melvin Fox
LOCATION	Liberal	COMPANY	ANADARKO
TICKET AMOUNT		WELL TYPE	01
WELL LOCATION	S/Hugoton	DEPARTMENT	ZF
LEASE / WELL #	HU-JENNISON #A-1	SEC / TWP / RNG	24/34s/37w

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HR	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HR	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HR	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HR
M Fox	F0423	STELGOD	H4817				
B Tomlinson	J1832	BASILE					

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420045		52276 - 76A					
50938-76058							

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		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

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	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
TIME	0500	0730	1400	1500

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing		15.5	5 1/2	0	6843	
Liner						
Liner						
Tbg/D.P.			2 3/8	0		
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				Cement
				Port
				Collar
				Could Not Cement
TOTAL		TOTAL		

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

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	60	P Midcon		300 cc 1/2 #/sk floccle	322	11.1
<i>Did Not Pump - Port Collar would not open.</i>						

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	Cement Slurr	Gal - BBI	
	15 Min	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	

REGION North America	NWA/COUNTRY <i>Mid Cont.</i>	BDA / STATE <i>Ks</i>	COUNTY <i>Stevens</i>
MBU ID / EMP # <i>L20109</i>	EMPLOYEE NAME <i>MELVIN FOX</i>	PSL DEPARTMENT <i>ZONAL Isolation</i>	
LOCATION <i>LIBERAL</i>	COMPANY <i>ANADARKO</i>	CUSTOMER REP / PHONE <i>JACK THOMPSON</i>	
TICKET AMOUNT	WELL TYPE <i>DI</i>	API / UWI # <i>15-1892-2275</i>	
WELL LOCATION <i>S/Hogston</i>	DEPARTMENT <i>ZI</i>	JOB PURPOSE CODE	
LEASE / WELL # <i>1170 Thompson # A-1</i>	SEC / TWP / RNG <i>24/34s/37w</i>		

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
<i>M FOX E01123</i>	<i>STE Hord 114817</i>		
<i>B Thompson J1832</i>	<i>BASIE</i>		

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0500							called out
	0730							on loc.
	0800							SETTING Rig up
	1000							START RUNNING Tbg.
	1400							Hook up to Tbg. Hunt P.C.
	1405	.25	1			0/500	0/500	Pump on Tbg.
	1410							CHANGE VALVE ON BUS
	1416					0/500		PRESS TEST
	1420							TIGHTEN FLANGE & BOLTS ON WELLHEAD
	1428					0/500		PRESS. TEST
	1430							TIGHTEN BOLTS ON WELLHEAD
	1465	-	-			0/1000		Pump on Tbg.
	1456							SURGE PRESS.
	1457	-	-			0/500		PRESS. UP AGAIN
	1501	-	-			0/500		" " "
	1507	-	-			0/1200		" " "
	1510	-	-			0/500		" " "
	1531	-	-			400		PRESS. up to try to open P.C.
	1536					400/2000		PRESS. up nothing
	1540							CHANGE STRIPPER RUBBER
	1613							Run 2 Jts
	1620							Looking for P.C.
	1745							Pull Tbg.
	1830							DONE FOR DAY
								3/4/98
	0730							on loc
	0900							Pump Tbg.
	1020							At P.C. want open
	1030							WAIT on orders
	1100							Run Tbg. to bottom to PICKLE
	1350							Hook up to Tbg.
	1353	4	5			1400		Pump Acid
	1355	4	30			1200		Pump H2O
	1400							Shut Down Hook up to REVERSE Acid
	1407	4	40			1150		Pump H2O to REVERSE Acid
	1416	4	30			1200		Acid BACK
	1420	4 1/2	40			1250		Shut DOWN PACE up

ORIGINAL

Thanks for calling
Halliburton
M FOX & CRAW

JOB SUMMARY

REGION North America	NWA/COUNTRY Mid CONTINENT	TICKET # 382795	TICKET DATE 5-6-98
WBU ID / EMP # LT 104 62573	EMPLOYEE NAME JOHN WOODROW	BOA / STATE KS	COUNTY STEVENS
LOCATION LIBERAL KS	COMPANY ANADARCO PET	PSL DEPARTMENT ZONAL ISOLATION	CUSTOMER REP / PHONE BILL BLAKE
TICKET AMOUNT	WELL TYPE O2	API / UWI #	JOB PURPOSE CODE 075 SQUEEZE
WELL LOCATION	DEPARTMENT CEMENT	JOB PURPOSE CODE 075 SQUEEZE	
LEASE / WELL # ACTV JENNISON # A-1	SEC / TWP / RING 24-34S-37W		

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
S. GRANT H4639			
S. TELFORD H4817			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
53554/76900	48						
52274/75205	10						

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		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

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	
Perfpac Beltz	Qty.	
Other		
Other		
Other		
Other		

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
5-6-98	0700	5-6-98	0700	5-6-98	5-6-98

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	U	15.5	5 1/2	KB		
Liner						
Liner						
Tbg/D.P.	U	4.7	2 3/4	GL	5310	
Tbg/D.P.						
Open Hole					5320	SHOTS/FT.
Perforations						4
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				UNION VAL
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED	Avail	Used

AVERAGE RATES IN RPM

TREATED	Disp.	Overall

CEMENT LEFT IN PIPE

FEET	Reason

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	50	prim 2000	B	Ni Floccul	1.26	14.1

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp (BBI) - Gal 19.5
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal (BB) 11.2	
		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 *Bill Blake*

REGION North America	HW/COUNTRY Mid Continent	BOA/STATE KS
WELL ID / EMP # 17001 C361	EMPLOYEE NAME D. McKane	FSL DEPARTMENT Zonal Isolation
LOCATION Local	COMPANY Halliburton Production	CUSTOMER REP / PHONE
TICKET AMOUNT 12407.62	WELL TYPE 02	API / UNIT #
WELL LOCATION Local	DEPARTMENT Zonal Isolation	JOB PURPOSE CODE 205
LEASE / WELL #	SEC / TWP / RNG	

RECEIVED
SAS CORP CONT

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. Thompson 11832							
C. Ashby 441061							
S. Tolbert 114917							

JUN 15 A 11:13
ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
0830								Job Ready
0930								Called for job
0700								on location Set up pump truck
0832	.5	1.5	✓			9/500		Pressure up Back side
0835	.5	.5	✓			1/1000		Try to take Injection Rate No Rate
0850	1	5	✓			2/500		Circulate hole
0856	1.5	.5	✓			1/1000		Pressure up Back side
0857	1.5	.5	✓			7/1000		Try to take Injection Rate
0859						1/500		Shut Down
0908	.5		✓			1000/1000		Pressure up Tbg
0915						1000/0		String out of Backer
0916	1.5	5	✓			2/500		Circulate hole
0917						2/500		Make Circulating
0918								Shut Down String back in to Backer
0920	1.5	1.5	✓			2/500		Pressure up Back side
0921	.75	5	✓			1/500		Pump down Tbg
0930								Run Drop Standing valve to check Tbg for leak
1021	.5	1.5	✓			2/1000		Pressure up Tbg
1023	1.5	.25	✓			700/1000		Pressure up Tbg
1032								Knock Loose Stick out standing valve
1118	1.5	7	✓			2/500		Pressure up Back side
1119						1000/500		Pressure Still off
1125								Knock Loose
1127								Trip out Tbg to check Tool
1130	1.5	10	✓			7/1000 7/500		Pressure up Csg
1136	1.5	1	✓			2/500		Try to Pressure up Back side
1139	30	30	✓			2/500		Pump down Tbg to clean off Cement Retainer
1147								Shut Down
1700								Balance Ciew / to be back on location @ 0800
1041	2.0	15	✓			7/1000		Circulate hole with water
1049								Shut Down
1118	1.5	1.5	✓			2/500		Pressure up Back side
1121	.5	1.5	✓			7/1000		Try for Injection Rate
1125								Shut Down
1127	1.5	1	✓			2/500		Pressure up Back side
1137						2/1000		Pump down Back side Tbg showing pressure
1138								Shut Down
1230	2	15	✓			2/1000		Pump thru Cement Retainer make sure open
1247	1.5	1.5	✓			1/1000		Test Retainer
1310								Trip out Tbg
1430								Run in Tbg with new Cement Retainer
1605								Pump down Tbg back side pressures up @ surface
1736								test Tbg with standing valve
1805								Released from location on Back @ 0800

REGION North America	MM/COUNTRY Mid Continent	DDA/STATE KS
WELL ID / EMP # 210101 G3601	EMPLOYEE NAME D. McLean	WELL DEPARTMENT Zonal Isolation
LOCATION Liberal	COMPANY Anadarko	CUSTOMER REF / PHONE
TICKET AMOUNT 12407.62	WELL TYPE 02	API / IWB #
WELL LOCATION Lard	DEPARTMENT Zonal Isolation	JOB PURPOSE CODE 205
LEASE / WELL # HJV JENNISON A-1	SEC / TWP / RANG 24 34s 37w	DEPT

WELL EMP NAME / EMP # / EXPOSURE HOURS / HRS	WELL EMP NAME / EMP # / EXPOSURE HOURS / HRS	WELL EMP NAME / EMP # / EXPOSURE HOURS / HRS	WELL EMP NAME / EMP # / EXPOSURE HOURS / HRS
B Tomlinson 51832			
C Ashton 44061			
S. Telford H4817			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS (psig)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Cbg	
	0800							on location set up pump truck & well line to chase plug to 5262'
	0800							wait on water
	1025	2	25		✓	1400		Start Logging Rate
	1037	2-6	10		✓	1000		Start Mud flush
	1044	6	17		✓	500		Start Cement @ 19.2#/gal
	1047							thin mixing cement
	1048							Shut Down & Release Plug
	1049							Wash - B pumps & lines
	1051	6	126		✓	1100		Start Displacement
	1111				✓	1000		Displacement Caught Cement
	1112				✓	1000		Start Lower Rate
	1151				✓	1000		Pump 2 Bbls @ 1/4 Bbl/min
	1130							Shut in well head

ORIGINAL

Thank You For Calling Halliburton
 Duane F. Bryan & Crew