

FORM MUST BE TYPED

RECEIVED  
KANSAS CORPORATION COMMISSION  
3-19-02  
SIDE ONE

ORIGINAL

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

API NO. 15- 189-22405 - 0000  
County STEVENS  
APPX  
NE - SE - NE - SW Sec. 11 Twp. 32S Rge. 36 X W

CONFIDENTIAL

Operator: License # 4549

1775 Feet from X(S) (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

2468 Feet from X(D) (circle one) Line of Section

Address 701 S. TAYLOR, SUITE 400

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

City/State/Zip AMARILLO, TEXAS 79109

Lease Name HJV TILFORD "A" Well # 1

Purchaser: ANADARKO ENERGY SERVICES

Field Name WILDCAT

Operator Contact Person: JOHN VIGIL

Producing Formation MORROW/ST. LOUIS

Phone (806) 457-4600

Elevation: Ground 3055 KB

Contractor: Name: BIG "A" DRILLING

Total Depth 6450 PBDT 6310

License: 31572

Amount of Surface Pipe Set and Cemented at 1789 Feet

Wellsite Geologist:

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

If yes, show depth set Feet

X New Well Re-Entry Workover

If Alternate II completion, cement circulated from

Oil SWD SIOW Temp. Abd.

feet depth to w/ sx cmt.

X Gas ENHR SIGW

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)

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

If Workover:

Chloride content 800 ppm Fluid volume 700 bbls

Operator:

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Well Name:

Location of fluid disposal if hauled offsite:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Operator Name

Plug Back PBDT

Lease Name License No.

X Commingled Docket No. PENDING

Quarter Sec. Twp. S Rng. E/W

Dual Completion Docket No.

County Docket No.

Other (SWD or Inj?) Docket No.

11-21-2001 12-03-2001 02-21-2002

Spud Date Date Reached TD Completion Date

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.

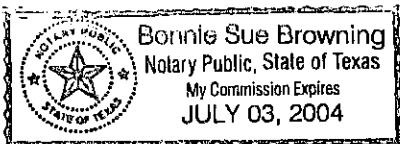
Signature L. Marc Harvey  
Title ENGINEERING TECHNICIAN III Date 3-15-02

Subscribed and sworn to before me this 15 day of March 2002

Notary Public Bonnie Sue Browning

Date Commission Expires 7-3-04

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 HJV TILFORD "A" Well # 1

Sec. 11 Twp. 32S Rge. 36  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: CBL, DIL, CNL-LDT, ML, SONIC.

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
B/STONE CORRAL	1750	
CHASE	2604	
COUNCIL GROVE	2920	
WABAUNSEE	3330	
B/HEEBNER	4156	
LANSING	4575	
MARMATON	4952	
CHEROKEE	5134	
MORROW	5593	
CHESTER	5937	
STE. GENEVIEVE	6141	
ST. LOUIS	6267	

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"	24.0	1789	C/ C.	472/100	3% D79, .2% D46, 1/4#/SK D29
PRODUCTION	7-7/8"	5-1/2"	15.5	6448	C/ SELFSTRESS.	25/150	3% D79, .2% D46, 1/4#/SK D29/.25% FLA, 1/4#/SK D29.

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	6287-6302	H	125	4% CALSEAL, .6% HALAD322
<input type="checkbox"/> Plug Back TD	6040-6041	H	65	4% CALSEAL, .5% HALAD322
<input checked="" type="checkbox"/> Plug Off Zone	5760-61	H	100	4% CALSEAL, .5% HALAD322

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	6319-27, CIBP @ 6310.	ACID: 1000 GAL 15% HCL.	6319-27.
4	6287-6302. (SQZD & RE-PERFED)	ACID: 1500 GAL 15% HCL.	6287-6302
4	5950-55, 5924-28, 5898-5906	FRAC: 36.000 GAL GEL & 101,000# 12/20	5898-5955 (OA)

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-3/8"	6249		

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	5	92	90		

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 5898-6302 (OA)



# Cementing Service Report ORIGINAL

Customer <b>ANADARKO PETROLEUM CORPORATION</b>		Release		Job Number <b>2205435072</b>					
Well <b>HJV Tifford A 1-11</b>		Location (Legal) <b>K 0 8 2003</b>		Dowall Location <b>Ulysses, KS</b>					
Field <b>Hugoton</b>		Formation Name/Type <b>Confidential</b>		Well TVD <b>1,799 ft</b>					
County <b>Stevens</b>		State/Province <b>KS</b>		Well BHP <b>70 °F</b>					
Rig Name <b>Big A DRILLING 4</b>		Drilled For <b>Gas</b>		Service Via <b>Land</b>					
Offshore Zone		Well Class <b>New</b>		Well Type <b>Development</b>					
Drilling Fluid Type <b>Spud Mud</b>		Max. Density <b>9.4 lb/gal</b>		Plastic Viscosity <b>4 cp</b>					
Service Line <b>Cementing</b>		Job Type <b>Cem Surface Casing</b>		Casing/Liner					
Max. Allowed Tubing Pressure <b>psi</b>		Max. Allowed Ann. Pressure <b>psi</b>		Wellhead Connection <b>Single cement head</b>					
Service Instructions <b>Safely Cement Surface Casing per customers request.</b>		Perforations/Open Hole		Tubing/Drill Pipe					
<b>CONFIDENTIAL</b>		Top, ft		Depth, ft					
		Bottom, ft		Size, in					
KCC MAR 15 2002 <b>CONFIDENTIAL</b>		spf		Weight, lb/ft					
No. of Shots		Grade		Thread					
Total Interval ft		Diameter in		Packer Depth ft					
Treat Down Casing		Displacement bbbl		Packer Type None					
Tubing Vol. bbbl		Casing Vol. bbbl		Annular Vol. bbbl					
Open Hole Vol. bbbl		Casing Tools		Squeeze Job					
Lift Pressure: psi		Shoe Type: Other		Squeeze Type					
Pipe Rotated		Shoe Depth: 1799 ft		Tool Type:					
Pipe Reciprocated		Stage Tool Type:		Tool Depth: ft					
No. Centralizers: 4		Top Plugs: 1		Bottom Plugs: 0					
Cement Head Type: Single		Stage Tool Depth: ft		Tail Pipe Size: in					
Job Scheduled For: 11/23/2001 14:00		Arrived on Location: 2001-Nov-23 13:30		Leave Location: 2001-Nov-24 0:30					
Collar Type: None		Collar Depth: ft		Seq Total Vol: bbbl					
Date	Time	Trailing Pressure psi	Flow Rate bbbl/min	Density lb/gal	Volume bbbl	CMT DISP VOL bbbl	0	0	Message
2001-Nov-23	18:34	-5	0.0	8.29	0.0	0.0	0	0	<b>RECEIVED</b> KANSAS CORPORATION COMMISSION
2001-Nov-23	18:35	-5	0.0	8.29	0.0	0.0	0	0	
2001-Nov-23	18:35	5	0.0	8.29	0.0	0.0	0	0	<b>MAR 19 2002</b>
2001-Nov-23	18:36	0	0.0	8.29	0.0	0.0	0	0	
2001-Nov-23	18:36	128	2.0	8.29	0.1	0.0	0	0	CONSERVATION DIVISION WICHITA, KC
2001-Nov-23	18:37	1593	0.0	8.29	0.2	0.0	0	0	
2001-Nov-23	18:37	5	0.0	8.29	0.2	0.0	0	0	
2001-Nov-23	18:38	0	0.0	8.23	0.2	0.0	0	0	
2001-Nov-23	18:38	92	3.9	8.35	0.8	0.0	0	0	
2001-Nov-23	18:39	151	1.4	8.31	1.8	0.0	0	0	
2001-Nov-23	18:39	174	0.0	8.35	2.0	0.0	0	0	
2001-Nov-23	18:40	160	0.0	8.28	2.0	0.0	0	0	
2001-Nov-23	18:40	87	0.0	7.66	2.0	0.0	0	0	
2001-Nov-23	18:40								Reset Total, Vol = 2.02 bbl
2001-Nov-23	18:40	110	0.0	7.58	2.0	0.0	0	0	
2001-Nov-23	18:41	174	0.0	10.96	2.0	0.0	0	0	
2001-Nov-23	18:41	174	0.0	11.39	2.0	0.0	0	0	
2001-Nov-23	18:42	165	0.0	11.17	2.0	0.0	0	0	
2001-Nov-23	18:42	128	0.0	11.08	2.0	0.0	0	0	
2001-Nov-23	18:43	137	0.0	11.18	2.0	0.0	0	0	
2001-Nov-23	18:43	133	0.0	11.72	2.0	0.0	0	0	
2001-Nov-23	18:44	151	0.0	11.47	2.0	0.0	0	0	

Well		Field			Service Date		Customer		Job Number
HJV Tifford #A 1-11		Hugoton			01327-Nov-23		ANADARKO PETROLEUM CORPORATION		2205495072
Date	Time	Treating Pressure	Flow Rate	Density	Volume	CMT DISP VOL	0	0	Message
	24 hr clock	psi	bbt/min	lb/gal	bbt	bbt	0	0	
2001-Nov-23	18:44	146	0.0	11.51	2.0	0.0	0	0	
2001-Nov-23	18:45	151	0.0	11.53	2.0	0.0	0	0	
2001-Nov-23	18:45	128	0.0	11.31	2.0	0.0	0	0	
2001-Nov-23	18:46	119	0.0	11.21	2.0	0.0	0	0	
2001-Nov-23	18:46	151	0.0	11.81	2.0	0.0	0	0	
2001-Nov-23	18:47	128	0.1	11.56	2.1	0.0	0	0	
2001-Nov-23	18:47	146	0.1	11.38	2.1	0.0	0	0	
2001-Nov-23	18:48	128	0.0	11.36	2.1	0.0	0	0	
2001-Nov-23	18:48	137	0.0	11.27	2.1	0.0	0	0	
2001-Nov-23	18:49	146	0.0	11.23	2.1	0.0	0	0	
2001-Nov-23	18:49	128	0.0	11.16	2.1	0.0	0	0	
2001-Nov-23	18:50	151	0.0	11.87	2.1	0.0	0	0	
2001-Nov-23	18:50	128	0.3	11.67	2.2	0.0	0	0	
2001-Nov-23	18:51	142	0.3	11.53	2.3	0.0	0	0	
2001-Nov-23	18:51	146	0.1	11.56	2.4	0.0	0	0	
2001-Nov-23	18:52	133	0.2	11.60	2.5	0.0	0	0	
2001-Nov-23	18:52	146	0.2	11.62	2.6	0.0	0	0	
2001-Nov-23	18:53	183	0.1	11.63	2.6	0.0	0	0	
2001-Nov-23	18:53	160	0.2	11.72	2.7	0.0	0	0	
2001-Nov-23	18:54	224	0.3	11.79	2.8	0.0	0	0	
2001-Nov-23	18:54	183	0.4	11.79	3.1	0.0	0	0	
2001-Nov-23	18:55	50	0.6	11.82	3.4	0.0	0	0	
2001-Nov-23	18:55	188	0.9	11.40	3.8	0.0	0	0	
2001-Nov-23	18:56	146	1.0	11.39	4.3	0.0	0	0	
2001-Nov-23	18:56	119	1.6	11.28	4.9	0.0	0	0	
2001-Nov-23	18:57	133	1.9	11.43	5.7	0.0	0	0	
2001-Nov-23	18:57	146	2.4	11.62	6.8	0.0	0	0	
2001-Nov-23	18:58	169	1.5	11.79	7.7	0.0	0	0	
2001-Nov-23	18:58	215	1.5	12.11	8.5	0.0	0	0	
2001-Nov-23	18:59	156	1.3	12.27	9.3	0.0	0	0	
2001-Nov-23	18:59	174	1.4	11.54	9.9	0.0	0	0	
2001-Nov-23	19:00	41	1.5	11.66	10.6	0.0	0	0	
2001-Nov-23	19:00	137	1.4	11.85	11.3	0.0	0	0	
2001-Nov-23	19:01	201	1.1	11.57	12.0	0.0	0	0	
2001-Nov-23	19:01	124	1.1	11.50	12.4	0.0	0	0	
2001-Nov-23	19:02	23	1.4	11.61	13.1	0.0	0	0	
2001-Nov-23	19:02	142	1.2	11.58	13.7	0.0	0	0	
2001-Nov-23	19:03	128	1.1	11.34	14.3	0.0	0	0	
2001-Nov-23	19:03	124	1.2	11.05	14.9	0.0	0	0	
2001-Nov-23	19:04	137	1.4	11.24	15.4	0.0	0	0	
2001-Nov-23	19:04	119	1.6	11.25	16.2	0.0	0	0	
2001-Nov-23	19:05	137	1.3	11.38	16.9	0.0	0	0	
2001-Nov-23	19:05	146	1.7	11.50	17.7	0.0	0	0	
2001-Nov-23	19:06	142	2.0	11.52	18.5	0.0	0	0	
2001-Nov-23	19:06	137	3.3	11.54	19.7	0.0	0	0	
2001-Nov-23	19:07	124	2.4	11.57	21.3	0.0	0	0	
2001-Nov-23	19:07	133	2.2	11.58	22.3	0.0	0	0	
2001-Nov-23	19:08	146	2.2	11.60	23.6	0.0	0	0	
2001-Nov-23	19:08	133	2.3	11.62	24.8	0.0	0	0	
2001-Nov-23	19:09	142	3.5	11.59	26.0	0.0	0	0	
2001-Nov-23	19:09	124	2.2	11.58	27.5	0.0	0	0	
2001-Nov-23	19:10	142	1.8	11.62	28.4	0.0	0	0	
2001-Nov-23	19:10	151	1.7	11.63	29.3	0.0	0	0	
2001-Nov-23	19:11	137	2.1	11.65	30.2	0.0	0	0	

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KANSAS CORPORATION COMMISSION

MAR 19 2002

CONSERVATION DIVISION  
WICHITA KS

Release

APR 18 2003

From  
Confidential

Well		Field			Service Date		Customer		Job Number
HJV Tiford #A 1-11		Hugoton			01327-Nov-23		ANADARKO PETROLEUM CORPORATION		2205425072
Date	Time	Treating Pressure	Flow Rate	Density	Volume	CMT DISP VOL	0	0	Message
	24 hr clock	psi	bbf/min	lb/gal	bbf	bbf	0	0	
2001-Nov-23	19:11	146	1.9	11.69	31.3	0.0	0	0	
2001-Nov-23	19:12	133	1.7	11.70	32.2	0.0	0	0	
2001-Nov-23	19:12	137	3.7	11.29	33.8	0.0	0	0	
2001-Nov-23	19:13	137	4.6	11.26	35.9	0.0	0	0	
2001-Nov-23	19:13	142	4.0	11.19	38.2	0.0	0	0	
2001-Nov-23	19:14	124	3.3	11.04	40.1	0.0	0	0	
2001-Nov-23	19:14	137	3.3	11.18	41.7	0.0	0	0	
2001-Nov-23	19:15	124	3.4	11.16	43.6	0.0	0	0	
2001-Nov-23	19:15	137	3.1	10.50	45.2	0.0	0	0	
2001-Nov-23	19:16	137	4.1	10.10	47.0	0.0	0	0	
2001-Nov-23	19:16	78	3.9	9.31	49.0	0.0	0	0	
2001-Nov-23	19:17	92	4.0	11.05	51.0	0.0	0	0	
2001-Nov-23	19:17	146	3.6	11.80	53.1	0.0	0	0	
2001-Nov-23	19:18	128	3.6	11.70	54.9	0.0	0	0	
2001-Nov-23	19:18	156	2.8	11.78	56.6	0.0	0	0	
2001-Nov-23	19:19	151	2.9	11.16	57.8	0.0	0	0	
2001-Nov-23	19:19	137	2.2	11.52	59.1	0.0	0	0	
2001-Nov-23	19:20	156	4.3	11.85	60.6	0.0	0	0	
2001-Nov-23	19:20	133	4.4	11.23	62.8	0.0	0	0	
2001-Nov-23	19:21	146	4.0	11.21	64.8	0.0	0	0	
2001-Nov-23	19:21	151	3.6	11.27	66.7	0.0	0	0	
2001-Nov-23	19:22	151	3.5	11.56	68.3	0.0	0	0	
2001-Nov-23	19:22	151	4.3	11.43	70.2	0.0	0	0	
2001-Nov-23	19:23	179	4.4	12.85	72.4	0.0	0	0	
2001-Nov-23	19:23	201	4.3	13.89	74.5	0.0	0	0	
2001-Nov-23	19:24	215	4.1	14.67	76.5	0.0	0	0	
2001-Nov-23	19:24	206	3.8	14.98	78.5	0.0	0	0	
2001-Nov-23	19:25	211	4.2	14.94	80.5	0.0	0	0	
2001-Nov-23	19:25	215	2.9	14.74	82.3	0.0	0	0	
2001-Nov-23	19:26	224	3.4	15.36	83.7	0.0	0	0	
2001-Nov-23	19:26	37	0.0	15.31	85.2	0.0	0	0	
2001-Nov-23	19:27	23	0.0	14.41	85.2	0.0	0	0	
2001-Nov-23	19:27	82	0.0	12.63	85.2	0.0	0	0	
2001-Nov-23	19:28	69	0.0	12.33	85.2	0.0	0	0	
2001-Nov-23	19:28	23	0.0	12.29	85.2	0.0	0	0	
2001-Nov-23	19:29	73	1.6	10.24	85.6	0.0	0	0	
2001-Nov-23	19:29	18	4.7	10.12	86.5	0.0	0	0	
2001-Nov-23	19:30	114	4.6	9.05	88.8	0.0	0	0	
2001-Nov-23	19:30	124	1.1	8.57	89.7	0.0	0	0	
2001-Nov-23	19:31	124	1.5	8.29	90.4	0.0	0	0	
2001-Nov-23	19:31	119	1.7	8.22	91.2	0.0	0	0	
2001-Nov-23	19:32	110	1.7	8.28	92.1	0.0	0	0	
2001-Nov-23	19:32	114	2.0	8.31	93.0	0.0	0	0	
2001-Nov-23	19:33	114	5.3	8.32	95.4	0.0	0	0	
2001-Nov-23	19:33	197	5.5	8.28	98.1	0.0	0	0	
2001-Nov-23	19:34	233	3.6	8.25	100.0	0.0	0	0	
2001-Nov-23	19:34	110	4.1	8.31	102.0	0.0	0	0	
2001-Nov-23	19:35	206	4.6	8.34	104.1	0.0	0	0	
2001-Nov-23	19:35	233	6.3	8.35	106.9	0.0	0	0	
2001-Nov-23	19:36	243	6.3	8.35	110.1	0.0	0	0	
2001-Nov-23	19:36	270	5.9	8.34	112.9	0.0	0	0	
2001-Nov-23	19:37	302	6.5	8.37	116.0	0.0	0	0	
2001-Nov-23	19:37	302	6.0	8.37	119.1	0.0	0	0	
2001-Nov-23	19:38	320	5.2	8.37	122.0	0.0	0	0	

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CONSERVATION DIVISION  
WICHITA, KS

Released

APR 18 2003

From  
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Well		Field			Service Date		Customer		Job Number
HJV Tilted #A 1-11		Hugoton			01327-Nov-23		ANADARKO PETROLEUM CORPORATION		2209486072
Date	Time	Treating Pressure	Flow Rate	Density	Volume	CMT DISP VOL	0	0	Message
	24 hr clock	psl	bb/min	lb/gal	bbbl	bbbl	0	0	
2001-Nov-23	19:38	325	5.9	8.37	124.7	0.0	0	0	
2001-Nov-23	19:39	298	5.7	8.37	127.7	0.0	0	0	<b>ORIGINAL</b>
2001-Nov-23	19:39	284	6.1	8.37	130.7	0.0	0	0	
2001-Nov-23	19:40	700	6.7	8.35	134.0	0.0	0	0	
2001-Nov-23	19:40	385	6.9	8.36	137.4	0.0	0	0	
2001-Nov-23	19:41	256	2.5	8.37	140.2	0.0	0	0	
2001-Nov-23	19:41	266	2.5	8.37	141.3	0.0	0	0	
2001-Nov-23	19:42	270	2.6	8.37	142.8	0.0	0	0	<b>KCC</b>
2001-Nov-23	19:42	294	1.8	8.37	143.8	0.0	0	0	
2001-Nov-23	19:43	293	2.5	8.38	144.7	0.0	0	0	<b>MAR 1 2002</b>
2001-Nov-23	19:43	307	2.9	8.38	146.2	0.0	0	0	
2001-Nov-23	19:44	325	3.1	8.38	147.7	0.0	0	0	
2001-Nov-23	19:44	270	1.7	8.36	149.1	0.0	0	0	<b>CONFIDENTIAL</b>
2001-Nov-23	19:45	258	2.1	8.38	150.1	0.0	0	0	
2001-Nov-23	19:45	270	2.1	8.38	151.2	0.0	0	0	
2001-Nov-23	19:46	286	2.1	8.38	152.3	0.0	0	0	<b>RECEIVED</b>
2001-Nov-23	19:46	307	2.1	8.38	153.3	0.0	0	0	<b>KANSAS CORPORATION COMMISSION</b>
2001-Nov-23	19:47	316	2.1	8.38	154.4	0.0	0	0	
2001-Nov-23	19:47	330	2.1	8.38	155.5	0.0	0	0	
2001-Nov-23	19:48	298	2.1	8.38	156.5	0.0	0	0	<b>MAR 19 2002</b>
2001-Nov-23	19:48	302	2.1	8.38	157.5	0.0	0	0	
2001-Nov-23	19:49	325	1.9	8.38	158.5	0.0	0	0	
2001-Nov-23	19:49	343	1.9	8.38	159.5	0.0	0	0	<b>CONSERVATION DIVISION</b>
2001-Nov-23	19:50	348	1.9	8.38	160.4	0.0	0	0	<b>WICHITA, KS</b>
2001-Nov-23	19:50	755	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:51	755	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:51	755	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:51	755	0.0	8.38	160.8	0.0	0	0	<b>CONFIDENTIAL</b>
2001-Nov-23	19:52	755	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:52	755	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:53	755	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:53								<b>Bump Top Plug</b>
2001-Nov-23	19:53	755	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:53								<b>Bleed Off Pressure</b>
2001-Nov-23	19:53	755	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:54	64	0.0	8.39	160.8	0.0	0	0	
2001-Nov-23	19:54	23	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:55	14	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:55	18	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:56	18	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:56	18	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:57	18	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:57	18	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:58	14	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:58	14	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	19:59	18	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	22:38	0	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	22:38	-5	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	22:39	-5	0.0	8.38	160.8	0.0	0	0	<b>Released</b>
2001-Nov-23	22:39	0	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	22:40	0	0.0	8.38	160.8	0.0	0	0	<b>APR 08 2003</b>
2001-Nov-23	22:40	-5	0.0	8.38	160.8	0.0	0	0	
2001-Nov-23	22:41	0	0.0	8.38	160.8	0.0	0	0	<b>FROM</b>
2001-Nov-23	22:41	-5	0.0	8.38	160.8	0.0	0	0	<b>Confidential</b>
2001-Nov-23	22:42	-5	0.0	8.38	160.8	0.0	0	0	

Well		Field			Service Date		Customer		Job Number
HJV Tifford #A 1-11		Hugoton			01327-Nov-23		ANADARKO PETROLEUM CORPORATION		2205435072
Date	Time	Treating Pressure	Flow Rate	Density	Volume	GMT DISP VOL	0	0	Message
	24 hr clock	psi	bbf/min	lb/gal	bbf	bbf	0	0	
2001-Nov-23	22:42	-5	0.0	0.63	160.8	0.0	0	0	RECEIVED
2001-Nov-23	22:43	0	0.0	8.32	160.8	0.0	0	0	KANSAS CORPORATION COMMISSION
2001-Nov-23	22:43	0	0.0	8.33	160.8	0.0	0	0	
2001-Nov-23	22:44	92	1.1	13.73	161.1	0.0	0	0	MAR 19 2002
2001-Nov-23	22:44	600	2.7	16.87	161.9	0.0	0	0	
2001-Nov-23	22:45	89	0.7	16.74	162.4	0.0	0	0	CONSERVATION DIVISION
2001-Nov-23	22:45	64	0.2	15.04	162.7	0.0	0	0	WICHITA, KS
2001-Nov-23	22:46	64	0.4	14.98	162.9	0.0	0	0	
2001-Nov-23	22:46	50	0.4	15.01	163.1	0.0	0	0	
2001-Nov-23	22:47	119	1.1	15.01	163.6	0.0	0	0	
2001-Nov-23	22:47	124	1.2	14.56	164.2	0.0	0	0	
2001-Nov-23	22:48	101	1.2	12.50	164.8	0.0	0	0	
2001-Nov-23	22:48	92	1.2	11.58	165.4	0.0	0	0	KCC
2001-Nov-23	22:49	105	1.2	11.37	166.0	0.0	0	0	
2001-Nov-23	22:49	101	1.2	11.37	166.6	0.0	0	0	
2001-Nov-23	22:50	92	1.2	11.16	167.2	0.0	0	0	MAR 15 2002
2001-Nov-23	22:50	96	1.3	11.54	167.8	0.0	0	0	
2001-Nov-23	22:51	192	1.7	11.54	168.6	0.0	0	0	CONFIDENTIAL
2001-Nov-23	22:51	206	1.8	11.17	169.4	0.0	0	0	
2001-Nov-23	22:52	206	1.8	10.37	170.3	0.0	0	0	
2001-Nov-23	22:52	201	1.8	10.82	171.2	0.0	0	0	
2001-Nov-23	22:53	211	1.8	11.37	172.1	0.0	0	0	
2001-Nov-23	22:53	215	1.8	11.03	173.0	0.0	0	0	ORIGINAL
2001-Nov-23	22:54	206	1.8	11.15	173.9	0.0	0	0	
2001-Nov-23	22:54	215	1.8	13.11	174.8	0.0	0	0	
2001-Nov-23	22:55	243	1.8	12.30	175.7	0.0	0	0	
2001-Nov-23	22:55	224	1.8	11.33	176.6	0.0	0	0	
2001-Nov-23	22:56	206	1.8	10.60	177.5	0.0	0	0	
2001-Nov-23	22:56	197	1.8	11.27	178.4	0.0	0	0	
2001-Nov-23	22:57	220	1.8	11.50	179.3	0.0	0	0	CONFIDENTIAL
2001-Nov-23	22:57	220	1.9	11.86	180.2	0.0	0	0	
2001-Nov-23	22:58	261	2.0	12.30	181.2	0.0	0	0	
2001-Nov-23	22:58	325	2.2	12.17	182.3	0.0	0	0	
2001-Nov-23	22:59	320	2.2	11.79	183.4	0.0	0	0	
2001-Nov-23	22:59	316	2.2	11.38	184.5	0.0	0	0	
2001-Nov-23	23:00	311	2.2	11.40	185.6	0.0	0	0	
2001-Nov-23	23:00	330	2.2	13.32	186.7	0.0	0	0	
2001-Nov-23	23:01	352	2.2	12.35	187.8	0.0	0	0	
2001-Nov-23	23:01	330	2.2	11.35	188.9	0.0	0	0	
2001-Nov-23	23:02	311	2.2	10.47	190.0	0.0	0	0	
2001-Nov-23	23:02	307	2.2	10.91	191.1	0.0	0	0	
2001-Nov-23	23:03	316	2.2	10.63	192.2	0.0	0	0	
2001-Nov-23	23:03	302	2.2	11.25	193.3	0.0	0	0	
2001-Nov-23	23:04	320	2.2	11.58	194.4	0.0	0	0	
2001-Nov-23	23:04	325	2.2	11.70	195.5	0.0	0	0	
2001-Nov-23	23:05	325	2.2	11.51	196.6	0.0	0	0	Release
2001-Nov-23	23:05	316	2.2	11.26	197.7	0.0	0	0	
2001-Nov-23	23:06	311	2.2	10.81	198.8	0.0	0	0	APR 08 2003
2001-Nov-23	23:06	302	2.2	11.76	199.9	0.0	0	0	
2001-Nov-23	23:07	352	2.2	13.18	201.0	0.0	0	0	From
2001-Nov-23	23:07	357	2.2	12.73	202.1	0.0	0	0	Confidential
2001-Nov-23	23:08	343	2.2	12.36	203.3	0.0	0	0	
2001-Nov-23	23:08	339	2.2	11.82	204.4	0.0	0	0	
2001-Nov-23	23:09	325	2.2	11.02	205.5	0.0	0	0	

Well		Field		Service Date		Customer		Job Number	
HJV Tifford #A 1-11		Hugoton		01327-Nov-23		ANADARKO PETROLEUM CORPORATION		2205485072	
Date	Time	Treating Pressure	Flow Rate	Density	Volume	CMT DISP VOL			Message
	24 hr clock	psi	bb/min	lb/gal	bbbl	bbbl	0	0	
2001-Nov-23	23:09	316	2.2	11.53	206.6	0.0	0	0	
2001-Nov-23	23:10	325	2.2	11.93	207.7	0.0	0	0	
2001-Nov-23	23:10	334	2.2	11.76	208.8	0.0	0	0	
2001-Nov-23	23:11	330	2.2	12.14	209.9	0.0	0	0	<b>RECEIVED</b>
2001-Nov-23	23:11	339	2.2	12.79	211.0	0.0	0	0	KANSAS CORPORATION COMMISSION
2001-Nov-23	23:12	352	2.2	12.83	212.1	0.0	0	0	
2001-Nov-23	23:12	352	2.2	12.86	213.2	0.0	0	0	<b>MAR 19 2002</b>
2001-Nov-23	23:13	352	2.2	12.73	214.3	0.0	0	0	
2001-Nov-23	23:13	348	2.2	12.71	215.5	0.0	0	0	
2001-Nov-23	23:14	261	2.2	12.49	216.6	0.0	0	0	CONSERVATION DIVISION
2001-Nov-23	23:14	18	0.0	12.13	217.4	0.0	0	0	WICHITA, KS
2001-Nov-23	23:15	14	0.0	12.59	217.4	0.0	0	0	
2001-Nov-23	23:15	9	0.0	12.53	217.4	0.0	0	0	
2001-Nov-23	23:16	14	0.0	12.43	217.4	0.0	0	0	
2001-Nov-23	23:16	9	0.2	12.39	217.4	0.0	0	0	<b>KCC</b>
2001-Nov-23	23:17	14	0.2	12.44	217.7	0.0	0	0	
2001-Nov-23	23:17	18	1.4	12.40	217.9	0.0	0	0	<b>MAR 15 2002</b>
2001-Nov-23	23:18	9	0.0	12.28	218.1	0.0	0	0	
2001-Nov-23	23:18	14	0.0	12.55	218.1	0.0	0	0	<b>CONFIDENTIAL</b>

Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2		Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
5.4				5.5	315	0	0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average		Bump Plug to	Breakdown	Type	Volume	Density	
750	750	200			0		0 bbl	lb/gal	
Avg. N2 Percent		Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume	
%		265 bbl		111.7 bbl	60 °F	<input type="checkbox"/>		bbbl	
Customer or Authorized Representative				Dowell Supervisor		Washed Thru Parts		ft	
Fred, Crest				Strano, Douglas		<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	

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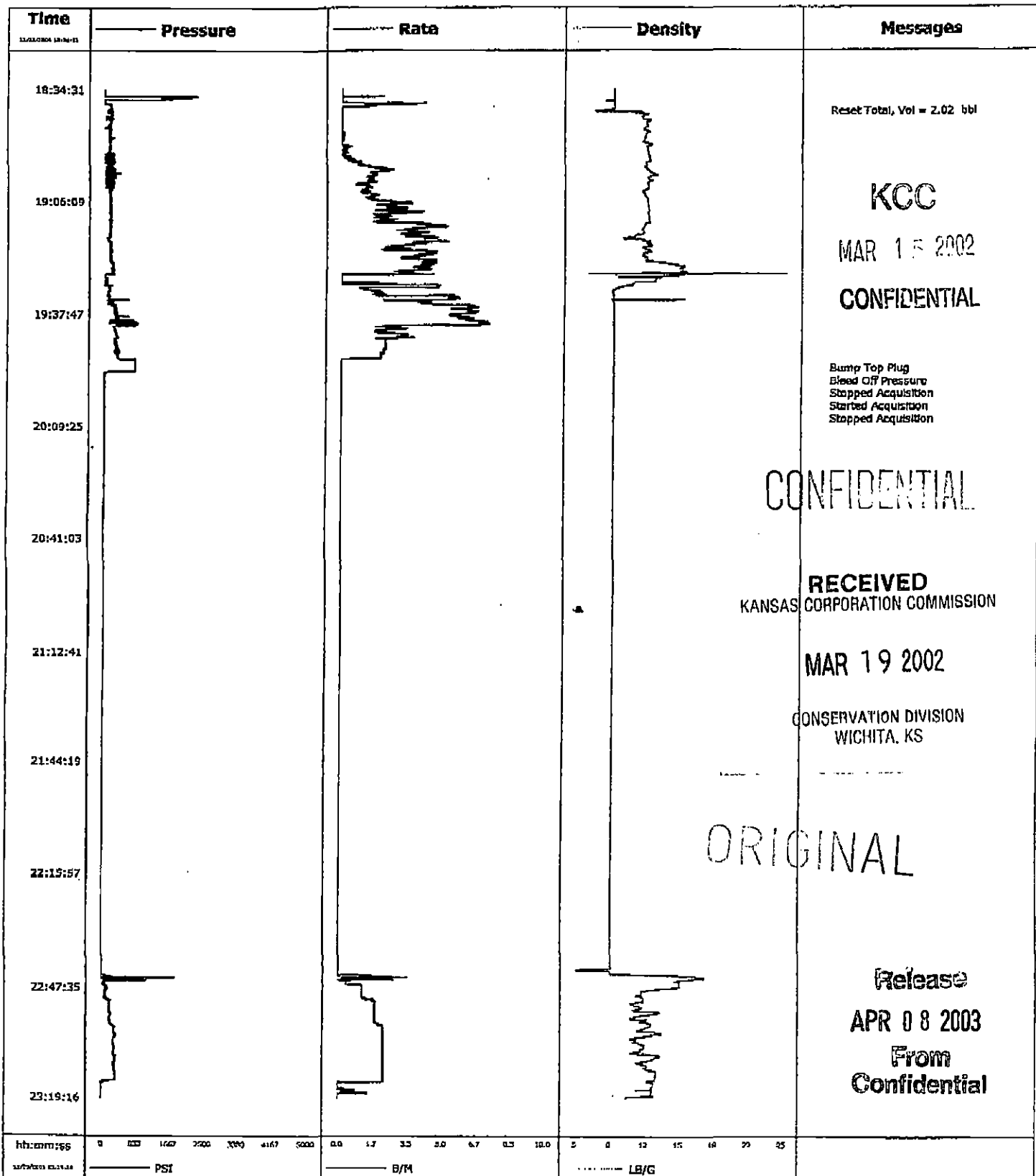
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# Schlumberger

## Cement Job Report

<b>Well</b>	HIV TILFORD A 1-11	<b>Client</b>	ANADARKO
<b>Field</b>	HUGOTON	<b>STR No.</b>	
<b>Engineer</b>	Doug Strano	<b>Job Type</b>	SURFACE
<b>Country</b>	United States	<b>Job Date</b>	11-23-2001



hh:mm:ss      0   1023   1647   2200   3040   4167   5000      0.0   1.7   3.5   5.0   6.7   8.5   10.0      5   0   12   15   18   20   25

PSI      B/M      LB/G

Comments: *revised*

Fluid Systems:

Lead		
472 sls Class 'C' Cement + 3 % BWOB D079 + 0.2 % BWOB D046 + 0.25 lbs/sk D029 +		
Density:	11.4 lb/gal	Thickening Time: +7 hrs
Yield:	2.87 ft <sup>3</sup> /sk	Viscosity: 2 cp
H2O Mix:	17.7 gal/sk	Break Time:
H2O:	8354.4 gal	Eq. Sack Weight: 94 lb
Dowell Code	Conc./Amount	Total Quantity
D029	0.25 lbs/sk	118
D046	0.2 % BWOB	88,736
D079	3 % BWOB	1331.04
D903	94 lbs/sk	44368

Tail		
100 sls Class 'C' Cement + 2 % BWOB S001 + 0.25 lbs/sk D029 +		
Density:	14.8 lb/gal	Thickening Time: +4 hrs
Yield:	1.34 ft <sup>3</sup> /sk	Viscosity: cp
H2O Mix:	6.33 gal/sk	Break Time:
H2O:	633 gal	Eq. Sack Weight: 94 lb
Dowell Code	Conc./Amount	Total Quantity
D029	0.25 lbs/sk	25
S001	2 % BWOB	188
D903	94 lbs/sk	9400

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KANSAS CORPORATION COMMISSION

MAR 19 2002

CONSERVATION DIVISION  
WICHITA, KS

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## Cementing Service Report

Customer <b>ANADARKO PETROLEUM CORPORATION</b>						Job Number <b>2205435259</b>			
Well <b>HJV Tilford A 1-11</b>			Location (legal) <b>Ulysses, KS</b>			Dowell Location <b>Ulysses, KS</b>		Job Start <b>2001-Dec-05</b>	
Field <b>Hugoton</b>		Formation Name/Type		Deviation	Bit Size <b>in</b>	Well MD <b>6,450 ft</b>	Well TVD <b>6,450 ft</b>		
County <b>Stevens</b>		State/Province <b>KS</b>		BHP <b>psi</b>	BHST <b>130 °F</b>	BHCT <b>°F</b>	Pore Press. Gradient <b>psi/ft</b>		
Rig Name <b>BIG A DRILLING 2</b>	Drilled For <b>Gas</b>	Service Via <b>Land</b>		Casing/Liner					
Offshore Zone	Well Class <b>New</b>	Well Type <b>Development</b>		Depth, ft <b>6450</b>	Size, in <b>5.5</b>	Weight, lb/ft <b>15.5</b>	Grade <b>K55</b>	Thread <b>8RD</b>	
Drilling Fluid Type <b>Spud Mud</b>		Max. Density <b>9.1 lb/gal</b>	Plastic Viscosity <b>27 cp</b>		Tubing/Drill Pipe				
Service Line <b>Cementing</b>	Job Type <b>Cem Prod Casing</b>		Depth	Size, in	Weight, lb/ft	Grade	Thread		
Max. Allowed Tubing Pressure <b>3000 psi</b>	Max. Allowed Ann. Pressure	WellHead Connection <b>RECEIVED Single cement head</b>		Perforations/Open Hole					
Service Instructions <b>KANSAS CORPORATION COMMISSION</b> <b>Safely Cement Production Casing per customers request.</b> <b>MAR 19 2002</b> <b>CONSERVATION DIVISION</b> <b>WICHITA, K.</b>				Top, ft	Bottom, ft	apf	No. of Shots	Total Interval <b>ft</b>	
								Diameter <b>in</b>	
				Treat Down <b>Casing</b>	Displacement <b>153.5 bbl</b>	Packer Type <b>None</b>	Packer Depth <b>0 ft</b>		
				Tubing Vol. <b>bbl</b>	Casing Vol. <b>bbl</b>	Annular Vol. <b>198 bbl</b>	Open Hole Vol. <b>bbl</b>		
Casing/Tubing Secured <input checked="" type="checkbox"/>			1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>			Casing Tools		Squeeze Job	
Lift Pressure: <b>psi</b>			Pipe Rotated <input type="checkbox"/>			Pipe Reelocated <input type="checkbox"/>			
No. Centralizers: <b>10</b>			Top Plugs: <b>1</b>	Bottom Plugs: <b>0</b>		Shoe Type: <b>Guide</b>	Squeeze Type		
Cement Head Type: <b>Single</b>			Job Scheduled For: <b>11/23/2001 14:00</b>			Shoe Depth: <b>6450 ft</b>	Tool Type:		
Arrived on Location: <b>2001-Dec-05 1:20</b>			Leave Location: <b>2001-Dec-05 11:30</b>			Stage Tool Type:	Tool Depth: <b>ft</b>		
						Stage Tool Depth: <b>ft</b>	Tall Pipe Size: <b>in</b>		
						Collar Type: <b>Auto-Fill</b>	Tall Pipe Depth: <b>ft</b>		
						Collar Depth: <b>6433.13 ft</b>	Sqz Total Vol: <b>bbl</b>		
Date	Time	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	0	0	0	Message
2001-Dec-05	9:15	-5	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:15	-5	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:15								Reset Total, Vol = 0.00 bbl
2001-Dec-05	9:15								Start Job
2001-Dec-05	9:15	0	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:15	-5	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:15								Pressure Test Lines
2001-Dec-05	9:16	0	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:17	0	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:17	-5	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:18	-5	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:19	-5	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:20	0	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:20	-5	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:21	-5	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:22	0	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:23	-5	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:23	-5	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:24	0	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:25	0	0.0	0.11	0.0	0	0	0	
2001-Dec-05	9:26	0	0.0	6.00	0.0	0	0	0	
2001-Dec-05	9:26	41	0.2	8.07	0.2	0	0	0	

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MAR 15 2002

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Released

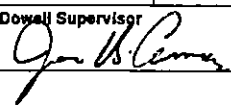
APR 08 2003

From

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Well		Field			Service Date	Customer			Job Number
HJV Tilford #A 1-11		Hugoton			01339-Dec-05	ANADARKO PETROLEUM CORPORATION			2205435259
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbf/min	lb/gal	bbl	0	0	0	
2001-Dec-05	9:27	3223	0.1	8.37	0.2	0	0	0	
2001-Dec-05	9:27								Pressure Test Lines
2001-Dec-05	9:27	3470	0.0	8.37	0.2	0	0	0	
2001-Dec-05	9:28	3470	0.0	8.37	0.2	0	0	0	
2001-Dec-05	9:28								Start Pumping Spacer
2001-Dec-05	9:28	3470	0.0	8.37	0.2	0	0	0	
2001-Dec-05	9:28								Reset Total, Vol = 0.24 bbl
2001-Dec-05	9:28	3470	0.0	8.37	0.0	0	0	0	
2001-Dec-05	9:29	243	0.0	8.37	0.0	0	0	0	KCC
2001-Dec-05	9:29	50	1.2	8.07	0.0	0	0	0	
2001-Dec-05	9:30	211	4.1	8.34	2.1	0	0	0	MAR 15 2002
2001-Dec-05	9:31	417	6.6	8.34	6.1	0	0	0	
2001-Dec-05	9:32	412	6.6	8.35	11.0	0	0	0	CONFIDENTIAL
2001-Dec-05	9:32								Start Mixing Lead Slurry
2001-Dec-05	9:32	421	6.6	9.15	14.5	0	0	0	
2001-Dec-05	9:32	426	6.6	9.73	15.2	0	0	0	
2001-Dec-05	9:32								Reset Total, Vol = 15.17 bbl
2001-Dec-05	9:32	449	6.6	10.25	0.8	0	0	0	
2001-Dec-05	9:33	499	6.6	12.44	5.7	0	0	0	
2001-Dec-05	9:34	453	6.6	12.03	10.7	0	0	0	CONFIDENTIAL
2001-Dec-05	9:35	407	6.6	10.67	15.6	0	0	0	
2001-Dec-05	9:35	394	6.6	11.64	20.5	0	0	0	
2001-Dec-05	9:36								Start Mixing Tail Slurry
2001-Dec-05	9:36	357	6.6	11.01	25.0	0	0	0	
2001-Dec-05	9:36	357	6.6	11.07	25.6	0	0	0	
2001-Dec-05	9:36								Reset Total, Vol = 25.81 bbl
2001-Dec-05	9:36	343	6.6	11.16	25.8	0	0	0	
2001-Dec-05	9:37	439	6.6	14.17	4.7	0	0	0	
2001-Dec-05	9:38	462	6.6	14.77	9.7	0	0	0	RECEIVED
2001-Dec-05	9:39	421	6.6	14.67	14.6	0	0	0	KANSAS CORPORATION COMMISSION
2001-Dec-05	9:39	421	6.6	14.72	19.6	0	0	0	
2001-Dec-05	9:40	421	6.6	14.75	24.5	0	0	0	MAR 19 2002
2001-Dec-05	9:41	412	6.6	14.72	29.4	0	0	0	
2001-Dec-05	9:42	426	6.6	14.72	34.4	0	0	0	
2001-Dec-05	9:42	27	0.0	11.47	38.5	0	0	0	CORPORATION DIVISION
2001-Dec-05	9:43	37	1.8	9.57	39.1	0	0	0	
2001-Dec-05	9:44	41	2.1	9.07	40.5	0	0	0	
2001-Dec-05	9:45	50	2.4	24.99	42.1	0	0	0	
2001-Dec-05	9:45	14	0.0	8.46	42.2	0	0	0	ORIGINAL
2001-Dec-05	9:46	9	0.0	8.63	42.2	0	0	0	
2001-Dec-05	9:46								End Tail Slurry
2001-Dec-05	9:52	9	0.0	8.37	42.2	0	0	0	
2001-Dec-05	9:52	5	0.0	8.37	42.2	0	0	0	
2001-Dec-05	9:52								Drop Top Plug
2001-Dec-05	9:52	5	0.0	8.37	42.2	0	0	0	
2001-Dec-05	9:52								Start Displacement
2001-Dec-05	9:52	5	0.0	8.37	42.2	0	0	0	
2001-Dec-05	9:52								Reset Total, Vol = 42.24 bbl
2001-Dec-05	9:53	5	0.0	8.37	0.0	0	0	0	
2001-Dec-05	9:54	5	0.0	8.37	0.0	0	0	0	
2001-Dec-05	9:54	9	0.0	8.37	0.0	0	0	0	
2001-Dec-05	9:55	0	0.0	8.38	0.0	0	0	0	
2001-Dec-05	9:56	124	6.6	8.34	3.2	0	0	0	APR 08 2003
2001-Dec-05	9:57	124	6.6	8.33	8.2	0	0	0	From

Well		Field			Service Date		Customer			Job Number
HJV Tilford #A 1-11		Hugoton			01339-Dec-05		ANADARKO PETROLEUM CORPORATION			2205435259
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bbt/min	lb/gal	bbt	0	0	0		
2001-Dec-05	9:57	119	6.6	8.33	13.1	0	0	0		
2001-Dec-05	9:58	124	6.6	8.32	18.1	0	0	0		
2001-Dec-05	9:59	133	6.6	8.38	23.0	0	0	0	KCC	
2001-Dec-05	10:00	146	6.6	8.38	28.1	0	0	0		
2001-Dec-05	10:00	128	6.6	8.38	33.0	0	0	0	MAR 1 2002	
2001-Dec-05	10:01	133	6.6	8.38	38.0	0	0	0		
2001-Dec-05	10:02	142	6.6	8.38	42.9	0	0	0	CONFIDENTIAL	
2001-Dec-05	10:03	119	6.6	8.38	47.9	0	0	0		
2001-Dec-05	10:03	119	6.6	8.38	52.8	0	0	0		
2001-Dec-05	10:04	110	6.6	8.38	57.7	0	0	0		
2001-Dec-05	10:05	128	6.6	8.39	62.7	0	0	0		
2001-Dec-05	10:06	133	6.6	8.39	67.6	0	0	0	CONFIDENTIAL	
2001-Dec-05	10:06	133	6.6	8.39	72.6	0	0	0		
2001-Dec-05	10:07	142	6.6	8.39	77.5	0	0	0		
2001-Dec-05	10:08	146	6.6	8.39	82.5	0	0	0		
2001-Dec-05	10:09	192	6.6	8.39	87.4	0	0	0		
2001-Dec-05	10:09	78	6.6	8.39	92.3	0	0	0		
2001-Dec-05	10:10	146	6.6	8.39	97.3	0	0	0	ORIGINAL	
2001-Dec-05	10:11	105	6.6	8.39	102.3	0	0	0		
2001-Dec-05	10:12	73	6.6	8.38	107.3	0	0	0		
2001-Dec-05	10:12	169	6.6	8.38	112.2	0	0	0		
2001-Dec-05	10:13	64	6.6	8.38	117.2	0	0	0		
2001-Dec-05	10:14	188	6.6	8.38	122.1	0	0	0		
2001-Dec-05	10:15	398	6.6	8.35	127.1	0	0	0		
2001-Dec-05	10:15	421	6.6	8.34	132.0	0	0	0		
2001-Dec-05	10:16	481	6.6	8.34	136.9	0	0	0		
2001-Dec-05	10:17	183	2.7	8.38	140.1	0	0	0		
2001-Dec-05	10:18	233	2.7	8.39	142.1	0	0	0		
2001-Dec-05	10:18	288	2.7	8.40	144.1	0	0	0		
2001-Dec-05	10:19	293	2.7	8.40	146.1	0	0	0	RECEIVED	
2001-Dec-05	10:20	339	2.7	8.40	148.1	0	0	0	KANSAS CORPORATION COMMISSION	
2001-Dec-05	10:21	366	2.7	8.40	150.2	0	0	0		
2001-Dec-05	10:21	407	2.7	8.40	152.2	0	0	0	MAR 19 2002	
2001-Dec-05	10:22	742	0.4	8.40	154.1	0	0	0		
2001-Dec-05	10:23	1973	0.6	8.40	154.7	0	0	0		
2001-Dec-05	10:24	2632	0.6	8.40	155.1	0	0	0	CONSERVATION DIVISION	
2001-Dec-05	10:24	1511	0.0	8.40	155.3	0	0	0	WICHITA, KS	
2001-Dec-05	10:25	1506	1.5	8.40	155.8	0	0	0		
2001-Dec-05	10:26	1698	0.2	8.40	157.0	0	0	0		
2001-Dec-05	10:27	980	0.0	8.40	157.0	0	0	0		
2001-Dec-05	10:27	41	0.0	8.40	157.0	0	0	0		
2001-Dec-05	10:28	23	0.0	8.40	157.0	0	0	0		
2001-Dec-05	10:29	151	0.0	8.40	157.0	0	0	0	Released	
2001-Dec-05	10:30	201	0.0	8.40	157.0	0	0	0	APR 08 2003	
2001-Dec-05	10:30	9	0.0	8.40	157.0	0	0	0		
2001-Dec-05	10:31	5	0.0	8.40	157.0	0	0	0	FROM	
2001-Dec-05	10:32	5	0.0	8.40	157.0	0	0	0	Confidential	
2001-Dec-05	10:32	5	0.0	8.40	157.0	0	0	0		
2001-Dec-05	10:32								Bump Top Plug	
2001-Dec-05	10:32								End Displacement	
2001-Dec-05	10:32	5	0.0	8.40	157.0	0	0	0		
2001-Dec-05	10:33	5	0.0	8.40	157.0	0	0	0		
2001-Dec-05	10:33	5	0.0	8.38	157.0	0	0	0		
2001-Dec-05	10:34	5	0.0	8.38	157.0	0	0	0		

Well		Field			Service Date		Customer		Job Number	
HJV Tifford #A 1-11		Hugoton			01339-Dec-05		ANADARKO PETROLEUM CORPORATION		2205435259	
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	0	0	0		
2001-Dec-05	10:35	5	0.0	8.41	157.0	0	0	0		
2001-Dec-05	10:36	0	0.0	0.14	157.0	0	0	0		
2001-Dec-05	10:36	5	0.0	0.11	157.0	0	0	0		
2001-Dec-05	10:36								tested casing to 3000psi	
2001-Dec-05	10:36	5	0.0	0.10	157.0	0	0	0		
2001-Dec-05	10:36	5	0.0	0.11	157.0	0	0	0		
2001-Dec-05	10:36								End Job	
Post Job Summary										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
6			6.3	62		15				
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
3000	1740	250		0		bbbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume bbl <input type="checkbox"/> Washed Thru Perfs To ft						
%	64 bbl	153.8 bbl	60 °F							
Customer or Authorized Representative			Dowell Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed		
Bartel, Steve						Camargo, Jose				

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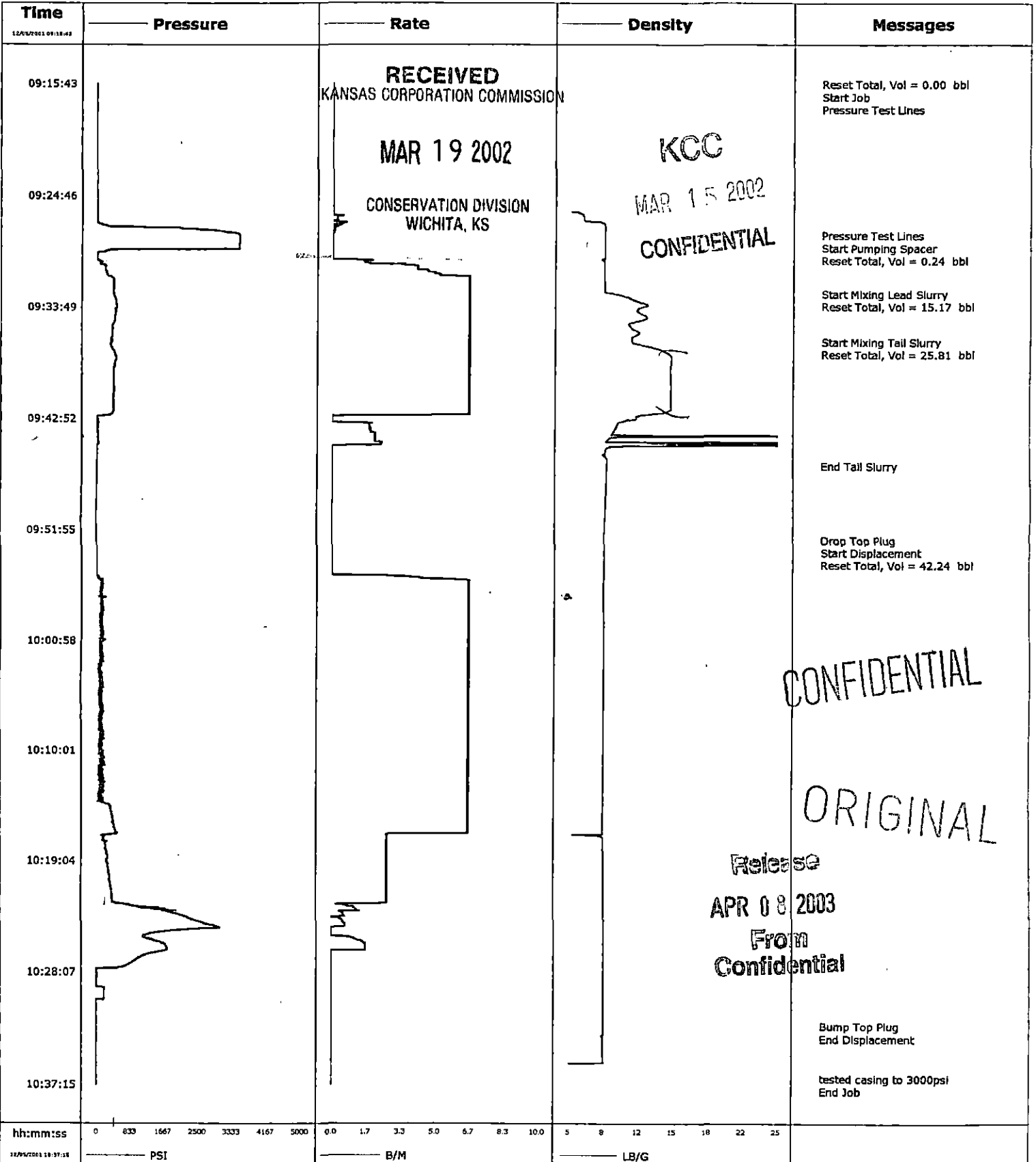
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<b>Well</b>	HJV Tilford A1-11	<b>Client</b>	Anadarko Petroleum Corp.
<b>Field</b>	Hugoton	<b>SIR No.</b>	
<b>Engineer</b>	Jose Camargo	<b>Job Type</b>	Long String
<b>Country</b>	United States	<b>Job Date</b>	12-05-2001



Comments:

**Fluid Systems:**

disp			
152.5 bbls displacement with 4% KCL +1 gal/ 1000 L55			
Density:	lb/gal	Thickening Time:	
Yield:	ft <sup>3</sup> /sk	Viscosity:	cp
H2O Mix:	0 gal/sk	Break Time:	
H2O:	6405 gal	Eq. Sack Weight:	0 lb
Dowell Code	Conc/ Amount	Total Quantity	
L055	1 gal/1000 gal	6.405	
L064	2 gal/1000 gal	12.81	

Lead			
50 sks Class 'C' Cement + 3 % BWOB D079 + 0.2 % BWOB D046 + 0.25 lbs/sk D029			
Density:	11.4 lb/gal	Thickening Time:	+/- 7 hrs
Yield:	2.87 ft <sup>3</sup> /sk	Viscosity:	cp
H2O Mix:	17.7 gal/sk	Break Time:	
H2O:	885 gal	Eq. Sack Weight:	94 lb
Dowell Code	Conc/ Amount	Total Quantity	
D029	0.25 lbs/sk	12.5	
D046	0.2 % BWOB	9.4	
D079	3 % BWOB	141	
D903	94 lbs/sk	4700	

Tail			
151 sks Self-Stress 11 Cement			
Density:	14.8 lb/gal	Thickening Time:	+/- 3 hrs
Yield:	1.46 ft <sup>3</sup> /sk	Viscosity:	cp
H2O Mix:	6.8 gal/sk	Break Time:	
H2O:	1026.8 gal	Eq. Sack Weight:	94 lb
Dowell Code	Conc/ Amount	Total Quantity	
D046	0.2 % BWOB	28.388	
D167	0.25 % BWOB	35.485	
D053	10 % BWOB	1419.4	
D065	0.5 % BWOB	70.97	
D029	0.25 lbs/sk	37.75	
D903	94 lbs/sk	14194	

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<b>HALLIBURTON</b>		<b>JOB LOG</b>		TICKET # 1703260	TICKET DATE 01/11/01
REGION NORTH AMERICA LAND		NWA / COUNTRY Mid Continent		BDA / STATE KS.	COUNTY STEVENS
MBU ID / EMPL # MCL10104 / 105848		H.E.S. EMPLOYEE NAME JOHN WOODROW		PSL DEPARTMENT Cementing Services	
LOCATION LIBERAL, KS.		COMPANY ANADARKO PETROLEUM CORP.		CUSTOMER REP / PHONE STEVE BARTEL	
TICKET AMOUNT \$7,043.98		WELL TYPE GAS		APU/UMI # 15-189-22405	
WELL LOCATION HUGOTON, KS.		DEPARTMENT CEMENT		JOB PURPOSE CODE Squeeze Job	
LEASE NAME HJV TILFORD		Well No. A-1	SEC / TWP / RNG 11-32S-36W	HES FACILITY (CLOSEST TO WELL #) LIBERAL, KS	

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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
WOODROW, J - 105848		Lopez, J - 198514					
EVANS, J - 212723							
Arnett, J - 226567							

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Chart No.	Time	Rate (BPM)	Volume (bbl/gal)	Rate			Job Description/Remarks
				N2	CSG	Tbg	
	1000						JOB READY
	0600						CALLED OUT FOR JOB
	0900						PUMP TRUCK ON LOCATION / PRE JOB SITE ASSESMENT
	0915						SPOT EQUIP. / RIG UP
							HOOK UP TO TBG. & ANNULUS
							EZSV SET AT 6000 FT.
	1010	3.5			0-400		START PUMPING TO LOAD & CIRCULATE HOLE
			70.0				HAVE 70 BBLs. PUMP / ESTABLISH CIRCULATION
	1035						PUMP 80 BBLs. / SHUT DOWN
	1042				500		STING INTO EZSV / PRESSURE UP ON ANNULUS
							WAIT ON ORDERS
							(JOB PROCEDURE)
	1330						PRESSURE UP ON ANULUS
	1334	2.0			0-850		TAKE INJECTION RATE
	1332	1.5	5.0		850		PUMP MUD FLUSH
	1335	2.5			850-450		START MIXING CMT. @ 15.6#/GAL
	1347						SHUT DOWN / CLEAN PUMP & LINES
	1349	2.0					START DISPLACING
	1400				450		HAVE 15 BBLs. OUT / CAUGHT PRESSURE
	1405				1100-650		HAVE 24 BLLs. OUT / SHUT DOWN
	1406						STING OUT / REVERSE OUT
							PUMP 27 BBLs / GOT 1/2 BBL CMT. BACK
	1415						JOB COMPLETE
							THANK YOU FOR CALLING HALLIBURTON !!!!!
							(WOODY & CREW)

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 <b>HALLIBURTON</b>		<b>JOB LOG</b>		TICKET # 1714936	TICKET DATE 01/19/02
REGION NORTH AMERICA LAND		NWA / COUNTRY Mid Continent		BDA / STATE KS	COUNTY STEVENS
MBU ID / EMPL # MCLI 0118/198516		H.E.S EMPLOYEE NAME JASON CLEMENS		PSL DEPARTMENT Cementing Services	
LOCATION HUGOTON		COMPANY ANADARKO PET.		CUSTOMER REP / PHONE JACOB SHUMWAY	
TICKET AMOUNT \$6,021.12		WELL TYPE GAS		API/UWI #	
WELL LOCATION HUGOTON		DEPARTMENT ZI		JOB PURPOSE CODE Squeeze Job	
LEASE NAME HJV TILFORD		Well No. A-1	SEC / TWP / RNG 11-32S-36WV	HES FACILITY (CLOSEST TO WELL #) LIBERAL KS.	

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
CLEMENS, J 198516	8	Heston, M	5				
Kelly, M	0						
Cochran, M - 217398	0						
Archuleta, M - 226383	0						

Chart No.	Time	Rate (BPM)	Volume (BB)(GAL)	Rate			Press. (PSI)			Job Description / Remarks
				N <sub>2</sub>	CSG	LOG	N <sub>2</sub>	CSG	LOG	
	830									ARRIVED ON LOCATION
	930									HOLD PRE-JOB SAFTEY MEETING
	100									SPOT EQUIPT.
	1100									HOOK UP TO MANIFOLD
	1247							1500		PRESSURE TEST
	1303	2.0	25.0					700		INJECTION RATE
	1303	2.0	25.0					700		CLEAN HOLE
	1319	2.0	10.0					500		START SPACER
	1327	2.0	14.0					450		START CEMENT
	1334	1.0	20.0					100		START DISP
	1345									SHUT DOWN PULL 5 JOINTS
	1354	2.0	60.0					1000		REVERSE OUT
			8.0							CEMENT TO PIT

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THANKS JASON & CREW.

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