

plugged 10-14-98

FORM MUST BE TYPED

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- 175-21738-00-00

County SEWARD

APPX: NW - SE - SW - SW Sec. 8 Twp. 33 Rge. 34 X E

Operator: License # 4549

500 Feet from X/S (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

700 Feet from X/W (circle one) Line of Section

Address P. O. BOX 351

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Lease Name HITCH "H" Well # 2

Purchaser: NONE-D&A

Field Name WILDCAT

Operator Contact Person: DAVID W. KAPPLF

Producing Formation NONE

Phone (316) 624-6253

Elevation: Ground 2912 KB _____

Contractor: Name: CHEYENNE DRILLING

Total Depth 6500 PBDT 0

License: 5382

Amount of Surface Pipe Set and Cemented at 1677 Feet

Wellsite Geologist: _____

Multiple Stage Cementing Collar Used? _____ Yes X No

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover

If yes, show depth set _____ Feet

Oil _____ SWD _____ SIOW _____ Temp. Abd.

If Alternate II completion, cement circulated from _____

Gas _____ ENHR _____ SIGW

feet depth to _____ w/ _____ sx cmt.

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

Drilling Fluid Management Plan PLA 11-18-98 U.C.
(Data must be collected from the Reserve Pit)

If Workover:

Chloride content 1100 ppm Fluid volume 700 bbls

Operator: _____

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Well Name: _____

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD

Operator Name _____

_____ Plug Back _____ PBDT

Lease Name _____ License No. _____

_____ Commingled _____ Docket No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

_____ Dual Completion _____ Docket No. _____

County _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

7-13-98 7-22-98 7-30-98
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 DRILLING TECHNICAL ASSISTANT Date 10-20-98

Subscribed and sworn to before me this 20th day of October 1998.

Notary Public Shirley Childers
Date Commission Expires 11/14/98

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)

NOTARY PUBLIC - State of Kansas
SHIRLEY J. CHILDERS
My Appt. Exp. 11/14/98

Operator Name ANADARKO-PETROLEUM CORPORATION Lease Name HITCH "H" Well # 2

Sec. 8 Twp. 33 Rge. 34 East West County SEWARD

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHASE	2585
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	COUNCIL GROVE	2891
List All E.Logs Run: SBT-CCL-GR, DIL, ML, MSFL, CNL-LDT, LS SONIC.		HEEBNER	4202
		TORONTO	4232
		LANSING	4348
		MARMATON	5021
		CHEROKEE	5256
		ATOKA	5455
		MORROW	5662
		CHESTER	5947
		STE. GENEVIEVE	6235
		ST. LOUIS	6328

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	1677	P+ MIDCON 2/ P+	330/100	3%CC, 1/4%SK FLC/ 2%CC, 1/4%SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	4384	50/50 POZ/ 50/50 POZ.	25/110	.75% HALAD 322, 10% SALT, 1/4%SK FLC/ SAME.

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	4237-4247.		

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. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil <u>N-A</u> Bbls.	Gas <u>N-A</u> Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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-D&A



JOB SUMMARY

ORIGINAL

TICKET #	383050	TICKET DATE	7-14-98
BDA / STATE	KS	COUNTY	Seward
PSL DEPARTMENT	Zonal Isolation		
CUSTOMER REP / PHONE	JR STUCK		
API / UWI #	15-175-21738-0000		
JOB PURPOSE CODE	010		

REGION	North America	NWA/COUNTRY	USA
MBU ID / EMP #	MC L T 0103 F-4550	EMPLOYEE NAME	TYCE DAVIS
LOCATION	Liberal	COMPANY	BPC
TICKET AMOUNT		WELL TYPE	02
WELL LOCATION	Land	DEPARTMENT	5001
LEASE / WELL #	HITCH H-2	SEC / TWP / RNG	8-33S-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
TYCE DAVIS F4550			
Brian McTatke H2308			
Shane S. Bell J50519			
JCP - 11150007 J50218			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420042	38						
54038-75374	38						
50502-6612	18						
50866-75305	18						

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
	7-14-98	7-14-98	7-14-98	7-14-98
TIME	07:00	10:30	15:10	16:10

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar Insert	1	X
Float Shoe FILL TUBE	1	O
Guide Shoe Regular	1	O
Centralizers 5-4	34	Z
Bottom Plug		
Top Plug 5-W	1	C
Head P.C	1	O
Packer BASKET	1	O
Other weld n	1-1B	

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	237/8	8 5/8	KB	1696	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			12 1/4			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	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				Cement
				8 5/8
				Surface
				Pipe
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

AVERAGE RATES IN BPM

TREATED _____ Disp. _____ Overall _____

CEMENT LEFT IN PIPE

FEET 44 Reason Shoe Joint

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	330	MC PT	13	3% CC 1/4" Flucel	3.35/100	11.1#/100
1	106	PT	13	2% CC 1/4"	4.32/100	14.8#/100

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI - Gal 1003.7
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI _____	
		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 _____

TICKET #	3.83.05.0	TICKET DATE	7-14-98
BDA / STATE	KS.	COUNTY	SEWARD.
PSL DEPARTMENT	ZONING / SELECTION		
CUSTOMER REP / PHONE	JR. STUCK		
API / UWI #	15-175-21738-0000		
JOB PURPOSE CODE	010		

REGION	North America	NWA/COUNTRY	USA
MBU ID / EMP #	MLL0107 F4550	EMPLOYEE NAME	Tyce Davis
LOCATION	Liberal	COMPANY	AFC
TICKET AMOUNT		WELL TYPE	OIL
WELL LOCATION	Land	DEPARTMENT	5001
LEASE / WELL #	HITCH H-2	SEC / TWP / RNG	R-33-34

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
Tyce Davis F4550							
Brian McIntyre H2308							
Shane Scheff J0515							
J. Vasquez J0679							

CHART NO.	TIME	RATE (BPM)	VOLUME (RB)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0700							Called out for job.
	1030							on Loc K.Y. 019.
	1220							Start SBOP.
	1320							Out of Hole w/drop K.Y. up casing.
	1345							Start 85% CSY & F.F.
	1417							CSY on batt. Hook up 85% CSY & circ. iron.
	1457							back into w/K.Y.
	1458							circ to PIF
	1505							thru circ Hook Iron to P.I.F.
	1508	6.5	189	✓				120 pump 330x pfmc at 11.1 ^{1/2} gal
	1540	7.0	235	✓				180 pump 100x pf at 14.2 ^{1/2} gal
	1545	0		✓				0 Shut down drop plug.
	1546	6.0	105.7	✓				100 pump vish.
	1557	6.0	105.7	✓				300 75 bbls in circ to PIF
	1601	2.0	105.7	✓				330 46 bbls ch 310 rate.
	1604	2.0	105.7	✓				100 ^{1/2} 800 Land plug.
	1605	0	105.7	✓				800 Release float - HELD
	1610		105.7	✓				Job over
								Thanks For calling HES
								Tyce Brian & crew

100
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 1960
 1980
 2000

REGION North America NWA/COUNTRY Mex Continent BDA/STATE KS COUNTY Seward
MBU ID / EMP # MCH0101 G3601 EMPLOYEE NAME O. McLane PSL DEPARTMENT Canal Isolation
LOCATION L. beta COMPANY Anadarko Petroleum Corp CUSTOMER REP / PHONE
TICKET AMOUNT WELL TYPE OZ DEPARTMENT Canal Isolation JOB PURPOSE CODE 035
WELL LOCATION Land SEC / TWP / RNG 8-33S 34W
LEASE / WELL # H-2 H-2

Table with 4 columns: 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

Table with 8 columns: HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES

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

Table with 5 columns: DATE | CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED

TOOLS AND ACCESSORIES
TYPE AND SIZE QTY MAKE
Float Collar Insert 5 1/2 1 H
Float Shoe
Guide Shoe 5 1/2 1 O
Centralizers 5 1/2 7
Bottom Plug W
Top Plug 5 1/2 1
Head PIC 5 1/2 1 C
Packer
Other O

WELL DATA
NEWUSED WEIGHT SIZE FROM TO MAX ALLOW
Casing N 15.5 5 1/2 4377 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
Perfpac Balls Qty.
Other
Other
Other
Other

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

HYDRAULIC HORSEPOWER
ORDERED Avail. Used
TREATED AVERAGE RATES IN BPM
Disp. Overall
CEMENT LEFT IN PIPE
FEET 4/4 Reason Slot Joint

CEMENT DATA
STAGE SACKS CEMENT BULK/SKS ADDITIVES YIELD LBS/GAL
25 50/50 Poz B 10% SLK 3/4% Kiod 322 1/4 3/16 Staccle 4.79 10
110 50/50 Poz B 10% SLK 3/4% Hahad 322 1/4 3/16 Staccle 1.25 14.4
25 Premium B Next 1.18 15.6

Circulating Breakdown Average Shut In: Instant Displacement Maximum Frac Gradient 5 Min 15 Min
Preflush: Gal - BBI 5-10-8 Type HCL-Supac Plus
Load & Bkdn: Gal - BBI Pad: BBI - Gal
Treatment Gal - BBI Disp: BBI - Gal 103.5
Cement Slurr Gal - BBI Ram-5 20.21 T.C. 24.5
Total Volume Gal - BBI

Frac Ring #1 Frac Ring #2 Frac Ring #3 Frac Ring #4
THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER REPRESENTATIVE SIGNATURE Steve Judson

REGION North America	NWA/COUNTRY Mad. Continent	BDA / STATE KS	COUNTY Seward
MBU ID / EMP # 63801	EMPLOYEE NAME D. McKane	PSL DEPARTMENT Coastal Isolation	
LOCATION Liberal	COMPANY Academy Petroleum	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE 02	API / UWI #	
WELL LOCATION Land	DEPARTMENT Zonal Isolation	JOB PURPOSE CODE 035	
LEASE / WELL # 11144	SEC / TWP / RNG 4 23 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
D. McKane 63801			
B. Tomlinson T1832			
D. Tulk T0763			
C. Hahn H 4985			

CHART NO	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS (ST) (C)	PRESS (psi) (Tbg) (Csg)	JOB DESCRIPTION / REMARKS
	1600					Job Ready
	1430					Called for Job
	1600					on location Rig laying down D.P. set up pump truck
	1620					D.P. out of hole
	1630					Rig up Co crew
	1900					Start running Co's a float pump
	2110					Co on Bottom
	2115					Hook up PIC a Circulating Tool
	2120					Start Circulating
	2125	3	5	✓	0	Plug Part of Mouse hole
	2144					Mid Circulating
	2145					Hook up to H.D. bucket
						Job procedure 5 1/2 bag plug
	2147	6	8	✓	9/400	Start Fresh water
	2148	6	10	✓	400	Start Super Slush
	2150	6	8	✓	400	Start Fresh water
	2151	6	28.5	✓	400/psi	Start Scavenger Cement @ 10 #
	2155	6	24.5	✓	350	Start main Cement @ 14.4 #
	2155					Then mixing Cement
	2159					Start Down / Release plug
	2200					work up pumps a lines
	2203	6	103.5	✓	9/200	Start Displacement
	2209	3		✓	200/400	Displacement Caught Cement
	2213			✓	400/350	Slow Down Rate
	2215			✓	400/300	Plus Landeal
	2216					Release Slat
	2217					Slat held

Thank You for Calling Halliburton
 Danny & Bryan & Crew