

FORM MUST BE TYPED

CONFIDENTIAL

SIDE ONE

ORIGINAL

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

Operator Contact Person: DAVID W. KAPPLE

Phone (.316) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

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 PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

4-30-97 5-9-97 7-1-97
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21625-00-00

County SEWARD

SW - NW Sec. 7 Twp. 34 Rge. 32 X W

1980 Feet from N/X (circle one) Line of Section

660 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 HIEBSCH "A" Well # 1

Field Name CONDIT

Producing Formation NONE

Elevation: Ground 2832.0 KB _____

Total Depth 6550 PBSD 6120

Amount of Surface Pipe Set and Cemented at 1610 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ART 1 - DW 9/22/97
(Data must be collected from the Reserve Pit)

Chloride content 650 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: KUO

Operator Name _____ AUG 27

Lease Name _____ License No. CONFIDENTIAL

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
Title DRILLING TECHNICAL ASSISTANT Date 8-27-97

Subscribed and sworn to before me this 27th day of August 19 97.

Notary Public Freda L. Hinz

Date Commission Expires _____

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

8-29-97
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 **HIEBSCH "A"** Well # **1**

Sec. **7** Twp. **34** Rge. **32**
 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 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, ML, CNL-LDT, SONIC.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
CHASE	2652	
COUNCIL GROVE	3004	
HEEBNER	4331	
TORONTO	4367	
LANSING	4504	
MARMATON	5174	
CHEROKEE	5390	
MORROW	5747	
CHESTER	5949	
STE. GENEVIEVE	6316	
ST. LOUIS	6459	

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	1610	P+ MIDCON 2/ P+	375/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6375	P+ MIDCON 2/ VERSASET	100/160	2%CC, 1/4#SK FLC/ .6% HALAD 322, 5% KCL, .9% VERSASET, 1/4#SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD

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

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	6267-6274, CIBP @ 6120		ACID: 400 GAL 7 1/2% FeHCL.
2	6026-6047		ACID: 1100 GAL 7 1/2% FeHCL.	6026-6047

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. _____ Producing Method
 Flowing Pumping Gas Lift 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

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ANADARKO PETROLEUM CORPORATION
HIEBSCH A-1
SECTION 7-T34S-R32W
SEWARD COUNTY, KANSAS

15-175-21625

COMMENCED: 04-30-97
COMPLETED: 05-11-97

SURFACE CASING: 1610' OF 8 5/8" CMTD
W/375 SKS PREMIUM PLUS MIDCON + 3% CC
+ 1/4 #/SK FLOCELE. TAILED IN W/100 SKS
PREMIUM PLUS + 2% CC + 1/4 #/SK FLOCELE.

FORMATION	DEPTH
SURFACE HOLE	0 - 1610
ANHYDRITE, RED BED & SHALE	1610 - 1965
LIMESTONE & SHALE	1965 - 5928
MORROW	5928 - 5984
LIMESTONE & SHALE	5894 - 6550 RTD

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

RECEIVED
SEP 28 1999
FROM: CONFIDENTIAL

CHEYENNE DRILLING, INC.

RUC

Wray Valente

AUG 27

CONFIDENTIAL

WRAY VALENTINE

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 15TH DAY OF MAY, 1997.

JOLENE K. RUSSELL

Jolene K. Russell
NOTARY PUBLIC

JOLENE K. RUSSELL
State of Kansas
My Appl. Exp. 9-13-99

RECEIVED
MAY 29 12 05
KANSAS COM. COMM.

JOB SUMMARY 4239-1

REGION North America		NWA/COUNTRY <i>Mid Cont.</i>		TICKET # <i>184009</i>	TICKET DATE <i>4-30-97</i>
MBU ID / EMP # <i>10105 62098</i>		EMPLOYEE NAME <i>Jason Nicholas</i>		BDA / STATE <i>KS</i>	COUNTY <i>Seward</i>
LOCATION		COMPANY <i>ANNADARKO</i>		PSL DEPARTMENT <i>Cement 5001</i>	
TICKET AMOUNT		WELL TYPE <i>01</i>		CUSTOMER REP / PHONE	
WELL LOCATION		DEPARTMENT <i>Cement 5001</i>		API / UWI #	ORIGINAL
LEASE / WELL # <i>17985sch</i>		SEC / TWP / RNG		<i>010</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>John Kloff 85258</i>			
<i>2 Corcoran H2441</i>			
<i>McIntyre H2308</i>			

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HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<i>2938-7131</i>							
<i>50266-7649</i>							
<i>2276-1612</i>							

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	<i>4-30-97</i>	<i>4-30-97</i>	<i>5-1-97</i>	<i>5-1-97</i>
TIME	<i>2015</i>	<i>2245</i>	<i>0134</i>	<i>0242</i>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		<i>4</i>
Guide Shoe	<i>1</i>	<i>0</i>
Centralizers	<i>6</i>	<i>0</i>
Bottom Plug		<i>0</i>
Top Plug	<i>1</i>	<i>0</i>
Head		
Packer		
Other <i>Weld A</i>		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<i>N</i>	<i>242</i>	<i>8 5/8</i>	<i>0</i>	<i>162217</i>	
Liner						
Liner						
Tbg/D.P.			<i>20</i>			
Tbg/D.P.						
Open Hole						
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
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.	

HOURS ON LOCATION

DATE	HOURS	OPERATING HOURS	DESCRIPTION OF JOB
<i>4-30-97</i>			<i>8 5/8 Surface</i>
<i>5-1-97</i>			<i>NEW</i>
			AUG 27
			CONFIDENTIAL
TOTAL			

HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Overall
FEET	CEMENT LEFT IN PIPE	Reason
<i>41.36</i>		<i>5472 JOI. FR.</i>

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
<i>1</i>	<i>375</i>	<i>Pf Midcon</i>	<i>3</i>	<i>3% ACC, 1/4" HSK Hoscbe</i>	<i>22</i>	<i>11.1</i>
<i>2</i>	<i>100</i>	<i>T +</i>	<i>3</i>	<i>2% ACC, 1/4" HSK Hoscbe</i>	<i>22</i>	<i>14.8</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 _____ 15 Min _____	Cement Slurr Gal - BBI <i>715</i>	<i>232</i>
		Total Volume Gal - BBI	<i>329.3 BBI</i>



JOB LOG 4239-5

TICKET # <i>184009</i>	TICKET DATE <i>4-30-97</i>
BDA / STATE <i>KS</i>	COUNTY <i>Seward</i>
PSL DEPARTMENT <i>Cement seal</i>	
CUSTOMER REP / PHONE	
API / UWI #	
JOB PURPOSE CODE <i>010</i>	

REGION <i>North America</i>	NWA/COUNTRY <i>Mid Cont.</i>
MBU ID / EMP # <i>1100 62078</i>	EMPLOYEE NAME <i>Steven Nicholas</i>
LOCATION	COMPANY <i>HANADARKO</i>
TICKET AMOUNT	WELL TYPE <i>01</i>
WELL LOCATION	DEPARTMENT <i>Cement-501</i>
LEASE / WELL # <i>111205sch</i>	SEC / TWP / RNG

ORIGINAL

HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS <i>John Kliff 8035</i>	HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS
<i>John Kliff 112441</i>			
<i>Michael H 2304</i>			

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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
<i>218</i>	<i>0151</i>							<i>Call Out</i>
<i>221</i>	<i>0157</i>							<i>On Location</i>
<i>227L</i>	<i>0245</i>							<i>Safety Meeting? Rig-up to circulate to pit.</i>
	<i>0134</i>							<i>SHUT DOWN - HOOD IRON UP TO PUMP TRUCK</i>
	<i>0143</i>							
	<i>0145</i>		<i>10</i>			<i>0/150</i>		<i>Pump H₂O</i>
	<i>0147</i>		<i>215</i>			<i>0/350</i>		<i>Pump LEAD CEMENT MIPCON PREMIUM PLUS</i>
								<i>1 1/2" SK FLOECE 2% CC</i>
	<i>0218</i>		<i>23.8</i>			<i>170/320</i>		<i>Pump TAIL CEMENT PREMIUM PLUS 2 1/2 CC</i>
								<i>1 1/2" SK FLOECE</i>
	<i>0225</i>							<i>SHUT DOWN, DROP PLUG</i>
	<i>0224</i>		<i>100.5</i>			<i>0/750</i>		<i>Pump H₂O DISPLACEMENT</i>
	<i>0210</i>		<i>1</i>					<i>SLOW DOWN LAST 5 BBL</i>
	<i>0242</i>		<i>1</i>					<i>PLUG LANDED FLOAT HELD</i>
			<i>1</i>					<i>CIRCULATED 35 BBL OF CEMENT TO PIT</i>

RELEASED

SEP 28 1999

FROM CONFIDENTIAL

KCC

AUG 27

CONFIDENTIAL

John, Brian, Dennis

*50 21 0 62 001 104
MID-CON SYSTEMS
11/02/99 10:00 AM*



JOB SUMMARY 4239-1

TICKET # 184352 TICKET DATE 5-11-97

REGION North America NWA/COUNTRY MID CONTINENT USA BDA / STATE MID CONTINENT KS COUNTY SEWARD
MBU ID / EMP # 62098 EMPLOYEE NAME JASON NICHOLAS PSL DEPARTMENT CEMENT 5001
LOCATION LIBERAL COMPANY ANADARKO PETROLEUM CUSTOMER REP / PHONE
TICKET AMOUNT WELL TYPE DEPARTMENT CEMENT 5001 JOB PURPOSE CODE 035
WELL LOCATION DEPARTMENT CEMENT 5001
LEASE / WELL # HIEBSCH A-1 SEC / TWP / RNG 7-34S-32W

ORIGINAL

Table with 4 columns: HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS. Entries include C LAY D9259 and J HOWERTON J0099. Large 'CONFIDENTIAL' watermark is present.

Table with 8 columns: HES UNIT NUMBERS, R/T MILES. All cells are empty.

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. Values include 2115, 5-10-97, 5-11-97, 0517, 0729.

TOOLS AND ACCESSORIES table with columns: TYPE AND SIZE, QTY, MAKE. Includes items like Float Collar, Float Shoe, Guide Shoe, Centralizers, Bottom Plug, Top Plug, Head, Packer, Other.

WELL DATA table with columns: NEW/USED, WEIGHT, SIZE, FROM, TO, MAX ALLOW. Includes Casing, Liner, Tbg/D.P., Open Hole, Perforations.

MATERIALS table with columns: Treat Fluid, Disp. Fluid, Prop. Type, Acid Type, Surfactant, NE Agent, Fluid Loss, Gelling Agent, Fric. Red., Breaker, Blocking Agent, Perfpac Balls, Other.

HOURS ON LOCATION, OPERATING HOURS, DESCRIPTION OF JOB. Includes dates like AUG 27 and descriptions like 5/2 LONGSTRING.

CEMENT DATA table with columns: STAGE, SACKS, CEMENT, BULK/SKS, ADDITIVES, YIELD, LBS/GAL. Includes stages KFH, L, T and additives like 2% CC, 4# FLOCELE.

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

REGION North America	NWA/COUNTRY MID CONTINENT USA	SDA / STATE MIDCONTINENT KS	COUNTY SEWARD
WBU ID / EMP # G2098	EMPLOYEE NAME JASON NICHOLAS	PSL DEPARTMENT CEMENT 5001	
LOCATION	COMPANY ANADARKO PETROLEUM	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE 02	API / UWI #	
WELL LOCATION	DEPARTMENT CEMENT 5001	JOB PURPOSE CODE 035 ORIGINAL	
LEASE / WELL # HIEBSCH A-1	SEC / TWP / RNG 7-34W-32W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS C LAY D 9259	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
J HOWERTON J0099			

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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	2115							CALLED OUT
	2330							ON LOCATION - LDDP.
	0517							Rig up Circulate to PIT - SAFETY MEETING
	0617	2.7	8					0 1/200 Pump H₂O
	0620	5	10					125 1/200 Pump SUPER FLUSH
	0622	4	8					125 1/200 Pump H₂O
	0624							SHUT DOWN
	0626	1.27	8.9					0 100 Pump CEMENT RAT & MOUSE HOLES - 25 SKS MIDCON PREMIUM PLUS 2% CC 1/4" FLOCELE.
	0633							SHUT DOWN - HOIK BACK UP TO HEAD.
	0636	4.7	35.62					0 450 Pump CEMENT 100 SKS MIDCON PREMIUM PLUS 2% CC 1/4" FLOCELE
		4.7	40.18					250 500 Pump TAIL CEMENT 160 SKS PREMIUM (H), 9% VERASET 5% ICCL, 6/10% HALAD 322 1/4" FLOCELE.
	0652							SHUT DOWN WASH PUMPS & LINES - DROP PLUG
	0657	4.7	150.7					0 900 Pump DISPLACEMENT H₂O
	0729							800 750 SLOW DOWN TWO BARRELS/MIN LAST 5 BBLs PLUG LANDED - FLOAT HELD.

RELEASED ALL
 SEP 28 1999 AUG 27
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TIAK YOU FOR CALLING
 HALLIBURTON ENERGY SERVICES
 LIBERAL KS
 NICHOLAS, LAY, HOWERTON