

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- _____ 189-22399 _____
County STEVENS _____
_____ SE _____ SE _____ NW Sec. 3 Twp. 31S Rge. 39 _____ E
_____ X _____ W

Operator: License # 4549 **CONFIDENTIAL**

2310 Feet from N (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

2310 Feet from W (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 MUNCY "A" Well # 1

Purchaser: ANADARKO ENERGY SERVICES

Field Name WILDCAT ✓

Operator Contact Person: JOHN VIGIL

Resisting Formation MORROW

Phone (806) 457-4600

Elevation: Ground 3182 ✓ KB _____

Contractor: Name: NORSEMAN DRILLING **KCC**

Total Depth 6150 ✓ PBDT 6050 ✓

License: 3779 **DEC 31 2002**

Amount of Surface Pipe Set and Cemented at 765 ✓ Feet

Wellsite Geologist: _____ **CONFIDENTIAL**

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

If Alternate II completion, cement circulated from _____

If Workover:

feet depth to _____ w/ _____ sx cmt.

Operator: _____

Drilling Fluid Management Plan NO 1845.6.02
(Data must be collected from the Reserve Pit)

Well Name: _____

Chloride content 900 ppm Fluid volume 700 bbls

Comp. Date _____ Old Total Depth _____

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

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

Location of fluid disposal if hauled offsite: _____

9-7-2001 9-19-2001 10-10-2001
Spud Date Date Reached TD Completion Date

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.

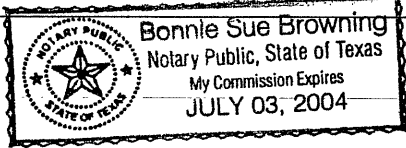
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey
L. MARC HARVEY
Title ENGINEERING TECHNICIAN III Date 12-31-01

Subscribed and sworn to before me this 31 day of December
20 01.

Notary Public Bonnie Sue Browning

Date Commission Expires _____



CONSERVATION DIVISION
K.C.C. OFFICE USE ONLY
F YES Letter of Confidentiality Attached
C YES Wireline Log Received
C _____ Geologist Report Received
Distribution
_____ KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other
(Specify) _____

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

Sec. 3 Twp. 31S Rge. 39 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) List All E.Logs Run: CBL, DIL, CNL-LDT, ML, SONIC.	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample Name _____ Top _____ Datum _____ CHASE 2374 COUNCIL GROVE 2634 B/HEEBNER 3884 MARMATON 4636 MORROW 5284 CHESTER 5762 STE. GENEVIEVE 5812 ST. LOUIS 5918
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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	17-1/2"	13-3/8"	48.0	765	P+ MIDCON/ P+ MIDCON.	245/200	3%CC, .1%FWCA, 1/2#/SK FC/2%CC, 1/4#/SK FC.
INTERMEDIATE	12-1/4"	8-5/8"	23.5	1749	P+ MIDCON/ P+ MIDCON.	360/100	3%CC, .1%FWCA, 1/2#/SK FC/2%CC, 1/4#/SK FC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6098	50/50 POZ/ 50/50 POZ.	25/175	.75%h322, 10%SALT, 1/8 #/SK FC/SAME.

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ 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	5708-36, 5634-42.		ACID: 3200 GAL 7-1/2% HCL.

TUBING RECORD	Size 2-7/8"	Set At 5622	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. WOPL			Producing Method <input checked="" 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 2800	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas: _____ METHOD OF COMPLETION _____ Production Interval _____

Vented Sold Used on Lease (If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled _____
 Other (Specify) _____ 5634-5736 (OA)



JOB SUMMARY

REGION NORTH AMERICA LAND	NWA / COUNTRY USA	SALES ORDER NUMBER 1500281	TICKET DATE 09/07/01
MBU ID / EMPL # MCLI 0113 212723	H.E.S. EMPLOYEE NAME JERRAKO EVANS	BDA / STATE KS	COUNTY STEVENS
LOCATION DERMONT, KS	COMPANY ANADARKO PETRO CORP	PSL DEPARTMENT Cementing Services	CUSTOMER REP / PHONE FRED CRESS
TICKET AMOUNT \$13,517.95	WELL TYPE OIL	API/WMI # 15-189-22399	
WELL LOCATION DERMONT, KS	DEPARTMENT CEMENT	SAP BOMB NUMBER 7521	Description Cement Surface Casing ✓
EASE NAME HJV MUNCY	Well No. A-1	SEC / TWP / RNG 3-31S-39W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL, KS

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
EVANS, J 212723	1.0			
KING, K 105942	1.0			
Gonzales, R 224608	1.0			
Schawo, N 222552	1.0			

CONFIDENTIAL **KCC** **ORIGINAL**

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
422207	110			
54218-78202	110			
54029-75821	25			
10244148-6610	25			

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

Date	Called Out	On Location	Job Started	Job Completed
	09/07/2001	09/07/2001	09/08/2001	09/08/2001
Time	1830	2200	0230	0330

Tools and Accessories

Type and Size	Qty	Make
INSERT	1	HOWCO
Float Shoe		
Centralizers		
Top Plug	1	
HEAD	1	
Limit clamp		
Weld-A	2	
Guide Shoe	1	
BTM PLUG		

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	48.0	13 3/8		0	765	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							
Perforations							Shots/Ft.
Perforations							
Perforations							

Materials

Mud Type	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		
Other		

Hours On Location

Date	Hours	Date	Hours	Description of Job
9/7	5.0	9/8	1.0	SEE JOB LOG
Total	5.0	Total		CONSERVATION DIVISION

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM	Overall
	Disp.	
	Cement Left in Pipe	
Feet 44	Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	245	P+ MIDCON	BULK	3% CC, .1% FWCA, 1/4# POLYFLAKE	17.89	2.92	11.40
2	200	PP	BULK	2% CC, 1/8# POLYFLAKE	6.30	1.34	14.8

Summary

Circulating Breakdown	Displacement	Preflush: BBI	Type:
	MAXIMUM	Load & Bkdn: Gal - BBI	Pad: Bbl - Gal
Average Shut In: Instant	Frac. Gradient	Treatment: Gal - BBI	Disp: Bbl
	5 Min.	Cement Slurry BBI	113.00
	15 Min.	Total Volume BBI	L-127, T-48
			#VALUE!

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____
 SIGNATURE _____



JOB SUMMARY

SALES ORDER NUMBER 1503437	TICKET DATE 09/09/01
BD / STATE KS	COUNTY STEVENS
ESL DEPARTMENT Cementing Services	CUSTOMER REP / PHONE FRED CRESS 806-679-2585
API/UWI # 15-189-22399	SAP BOMB NUMBER 7521
Description Cement Surface Casing	
HES FACILITY (CLOSEST TO WELL SITE) LIBERAL	

REGION NORTH AMERICA LAND	NWA / COUNTRY USA
MBU ID / EMPL # MCLI0103 106304	H.E.S. EMPLOYEE NAME TYCE DAVIS
LOCATION LIBERAL KS	COMPANY ANADARKO PET CORP
TICKET AMOUNT \$13,828.28	WELL TYPE 01
WELL LOCATION LAND NW HUGOTON	DEPARTMENT CEMENT
LEASE NAME HJV MUNCY	Well No. A-1
	SEC / TWP / RNG 3/31/39

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HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Davis, T 106304	6.0			
Fredrick S 106114	6.0			
Schawo, N 222552	6.0			
Arrington M 239729	6.0			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10219237	110			
54225-6611	25			
53335-10280731	25			

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

Date	Called Out	On Location	Job Started	Job Completed
	9/9/01	9/9/01	9/10/01	9/10/01
Time	2000	2230	0300	0400

Type and Size	Qty	Make
Float Collar INSERT	1	HOWCO
Float Shoe FILLTUBE	1	HOWCO
Centralizers S-4	4	HOWCO
Top Plug 5W	1	HOWCO
HEAD PC	1	HOWCO
Limit clamp		
Weld-A	1	HOWCO
Guide Shoe TX PAT	1	HOWCO
BTM PLUG		

	New/Used	Weight	Size - Grade	From	To	Max. Allow
Casing	NEW	24.0	8 5/8	0	1,765	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole						Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials		
Mud Type	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		
Other		

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/9		9/10		
Total		Total		

RECEIVED
 KANSAS CORPORATION COMMISSION
 CEMENT SP
 JAN 07 2002
 CONSERVATION DIVISION

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM	Overall
Feet	Cement Left in Pipe Reason	SHOE JOINT
43		

Cement Data								
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal	
1	360	P+MC	BULK	3%CC, 0.1%FWCA, 1/4#POLYFLAKE	17.89	2.92	11.40	
1	100	P+	BULK	2%CC, 1/8#POLYFLAKE	6.30	1.34	14.8	

Summary					
Circulating Breakdown	Displacement	Preflush:	BBi	Type:	
	MAXIMUM	Load & Bkdn:	Gal - BBI	Pad: Bbl - Gal	
Average	Frac. Gradient	Treatment:	Gal - BBI	Disp: Bbl	110
Shut In: Instant	5 Min.	Cement Slurry	BBi	18/LC	
	15 Min	Total Volume	BBi	#VALUE!	

Release

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____
 SIGNATURE _____

JAN 7
 From
 Confidential



JOB SUMMARY

1521185

09/20/01

REGION NORTH AMERICA LAND	NWA / COUNTRY USA	SBA / STATE KS	COUNTY STEVENS
MUJID / EMPL # MCLI 0113 212723	H.E.S. EMPLOYEE NAME JERRAKO EVANS	PSL DEPARTMENT Cementing Services	
LOCATION DERMONT, KS	COMPANY ANADARKO PETRO CORP	CUSTOMER REF / PHONE KENNY PARKS	
TICKET AMOUNT \$9,295.80	WELL TYPE OIL	API/WVI # 15-189-22399	
WELL LOCATION DERMONT, KS	DEPARTMENT CEMENT	SAP BOMB NUMBER 7523	Description Cement Production Casing
LEASE NAME HJV MUNCY	Well No. A-1	SEC / TWP / RNC 3-31S-39W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL, KS

ORIGINAL

HES EMP NAME / EMP # (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
EVANS, J 212723	2.0			
Duxbury, C 240187	2.0			
Ferguson, R 106154	2.0			

CONFIDENTIAL

JAN 07 2002

H.C.S. UNIT #S / (R/T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
421269	110			
10251403	110			
10240236-10240245	25			

CONSERVATION DIVISION

Form. Name	Type:	Called Out	On Location	Job Started	Job Completed
Form. Thickness	From To	Date	Date	Date	Date
Packer Type	Set At	Time	Time	Time	Time
Bottom Hole Temp.	Pressure				
Retainer Depth	Total Depth				

Tools and Accessories		Well Data							
Type and Size	Qty	Make	New/Used	Weight	Size	Grade	From	To	Max. Allow
INSERT	1	HOWCO	NEW	15.5	5 1/2		0	6,118	
Float Shoe									
Centralizers	12								
Top Plug	1								
HEAD	1								
Limit clamp									
Weld-A	1								
Guide Shoe	1								
BTM PLUG									

Materials			Hours On Location		Operating Hours		Description of Job
Mud Type	Density	Lb/Gal	Date	Hours	Date	Hours	SEE JOB LOG
Disp. Fluid	Density	Lb/Gal	9/20	9.0	9/21	2.0	
Prop. Type	Size	Lb					
Prop. Type	Size	Lb					
Acid Type	Gal.	%					
Acid Type	Gal.	%					
Surfactant	Gal.	In					
NE Agent	Gal.	In					
Fluid Loss	Gal/Lb	In					
Gelling Agent	Gal/Lb	In					
Fric. Red.	Gal/Lb	In					
Breaker	Gal/Lb	In					
Blocking Agent	Gal/Lb						
Perpac Balls	Qty.						
Other							
Other							
Other							
Other							
Other							

Ordered	Hydraulic Horsepower	Used
Treating	Average Rates in BPM	Overall
Feet	Cement Left in Pipe	Reason
42		SHOE JOINT

Cement Data							
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	25	50/50 POZ	BULK	10% CC, .75% HALAD-322, 1/8# POLYFLAKE	41.14	6.18	10.00
2	175	50/50 POZ	BULK	10% CC, .75% HALAD-322, 1/8# POLYFLAKE	5.66	1.28	14.4
3	25	50/50 POZ	BULK	10% CC, .75% HALAD-322, 1/8# POLYFLAKE	5.66	1.28	14.4

Summary			
Circulating Breakdown	Displacement	Preflush:	BB1
Lost Returns	MAXIMUM	Load & Bkdn:	Gal - BB1
Over Returns	Actual TOC	Excess / Return	221
Average	Frac. Gradient	Calc. TOC	
Shut In: Instant	5 Min.	Treatment:	Gal - BB1
	15 Min.	Cement Slurry	BB1
		Total Volume	BB1

THE INFORMATION STATED HEREIN IS CORRECT
CUSTOMER REPRESENTATIVE

SIGNATURE

Release
JAN 21 2002
From
Confidential

