

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

ORIGINAL

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: TEXACO TRADING & TRANSPORTATION, INC.

Operator Contact Person: DAVID W. KAPPLER

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

8-19-98 8-29-98 10-16-98
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21748 - 0000

County SEWARD

C - SW - NE Sec. 9 Twp. 33 Rge. 33 X E

1980 Feet from NX (circle one) Line of Section

1980 Feet from EX (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE SE, NW or SW (circle one)

Lease Name SANTA FE LAND "A" Well # 4

Field Name EVALYN-CONDIT

Producing Formation MORROW/CHESTER

Elevation: Ground 2823.1 KB _____

Total Depth 6350 PBTB 6154

Amount of Surface Pipe Set and Cemented at 1583 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 AH.1, 11-25-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1100 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

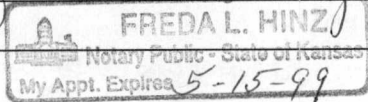
L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 11-6-98

Subscribed and sworn to before me this 6th day of November 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

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name SANTA FE LAND "A" Well # 4

Sec. 9 Twp. 33 Rge. 33 East County SEWARD
 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: CBL-CCL-GR, DIL, CNL-LDT, CNL.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
CHASE	2544	
COUNCIL GROVE	2880	
HEEBNER	4164	
TORONTO	4197	
LANSING	4319	
MARMATON	4978	
CHEROKEE	5178	
MORROW	5536	
CHESTER	5789	
STE. GENEVIEVE	6112	
ST. LOUIS	6172	

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	1583	P+ MIDCON 2/ PREM PLUS	295/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6210	50/50 POZ/ 50/50 POZ.	35/245	.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 checked="" type="checkbox"/> Plug Off Zone	4998-5010	CLASS H	50	2.5% HALAD 9.

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
1/1.5	6002-6014, 6026-6056.	ACID: 2100 GAL 7% FEHCL. FRAC: 47900 GAL FOAMED GEL & 103500# 20/40 SD.	6002-6056 (OA) 6002-6056 (OA)
2	5717-5732, 5736-5750.	ACID: 1450 GAL 7% HCL.	5717-5750 (OA)
4	4998-5010. SQZD.	ACID: 1200 GAL 15% HCL.	4998-5010
TUBING RECORD	Size 2 3/8" Set At 5978 Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Date of First, Resumed Production, SWD or Inj. 10-29-98	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil 39 Bbls. Gas 0 Mcf Water 0 Bbls. Gas-Oil Ratio TSTM Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled 5717-5750 (OA) & 6002-6056 (OA)

Production Interval: 5717-5750 (OA) & 6002-6056 (OA)



JOB SUMMARY

ORDER NO. 70006

TICKET #	384091	TICKET DATE	8-20-98
BDA / STATE	N.J.	COUNTY	Seward
PSL DEPARTMENT	2I	CUSTOMER REP / PHONE	Steve Riderour
API / UWI #		JOB PURPOSE CODE	010

REGION	North America	NWA/COUNTRY	USA
MBU ID / EMP #	mcl10103	EMPLOYEE NAME	Tyce Davis
LOCATION	Liberal	COMPANY	APC
TICKET AMOUNT		WELL TYPE	02
WELL LOCATION	Land	DEPARTMENT	2I
LEASE / WELL #	Santa Fe Land A-4	SEC / TWP / RNG	9-33S-33W

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
T. Davis	4550						
B. Smith	42308						
G. H. Smith	49642						
J. P. L.	44564						

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
54038-77941	24						
52827-75337	26						
51984-6612	26						

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
8-20-98	0630	0430	0830	1130

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar 1 1/2" x 1 1/2" x 0.75"	1	H
Float Shoe Fill 8 1/2"	1	
Guide Shoe 1 1/2"	1	O
Centralizers 5/4"	4	
Bottom Plug		W
Top Plug 5W	1	
Head P.C.	1	C
Packer		
Other Basket	1	O

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	NEW	23	8 1/2"	KB	1575	
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	
				CMT 8-5/8 5-8
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER Avail.	Used
TREATED	AVERAGE RATES IN BPM Disp	Overall
FEET 412	CEMENT LEFT IN PIPE Reason	SJ

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	295	0-4M-C	B	370cc 1/4" F10	3.22	11.1
1	100	4-4	B	270cc 1/4" F10	1.32	14.5

Circulating	Displacement	Preflush	Gal - BBI	Type
Breakdown	Maximum	Load & Bkdn	Gal - BBI	Pad BBI - Gal
Average	Frac Gradient	Treatment	Gal - BS	Disp (BBI) - Gal 79.3
Shut In Instant	5 Min	Cement Slurr	Gal - (BBI) 1646.0	23.5 F.C.
	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 REPRESENTATIVE SIGNATURE: Steve Riderour



JOB SUMMARY 4239-1

TICKET # 384239 TICKET DATE 8-31-98

REGION North America NWA/COUNTRY Mid Continent BDA / STATE KS COUNTY Seward

Table with 4 columns: HES EMP NAME/EMP#(EXPOSURE HOURS) HRS. Includes entries for D. McNamee, B. Tarkenton, and C. Ashby.

ORIGINAL

Table with 8 columns: HES UNIT NUMBERS, R/T MILES. Includes entries like 420995, 50218-76900, 51984-77031.

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. Includes times like 0330, 0530, 1040, 1145.

TOOLS AND ACCESSORIES table with columns: TYPE AND SIZE, QTY, MAKE. Includes items like Float Collar, Guide Shoe, Centralizers, etc.

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

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, HYDRAULIC HORSEPOWER, AVERAGE RATES IN BPM, CEMENT LEFT IN PIPE. Includes descriptions like 'See Job Log' and '5 1/2 long string'.

CEMENT DATA table with columns: STAGE, SACKS, CEMENT, BULK/SKS, ADDITIVES, YIELD, LBS/GAL. Includes additives like 10% C.H., 25% H. load, 44% F. urea.

Circulating Breakdown Average Shut In: Instant Displacement Maximum Frac Gradient 5 Min 15 Min Preflush: Gal - BBI 10-15-10 Type Mud Super Flush Load & Bkdn: Gal - BBI Pad: BBI - Gal Disp: BBI - Gal 147 Treatment: Gal - BBI Cement Slurr: Gal - BBI 25.5 Cntk 54.7 Rem 16 Total Volume: Gal - BBI

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



JOB LOG 4239-5

TICKET # 384239	TICKET DATE 8/31/98
BDA / STATE KS	COUNTY Seward
PSL DEPARTMENT Zonal Isolation	CUSTOMER REP / PHONE
API / UWI #	JOB PURPOSE CODE G35

REGION North America	NWA/COUNTRY Mid Continent
MBU ID / EMP # 53601	EMPLOYEE NAME D. M'lane
LOCATION Liberty	COMPANY Anadarko Petroleum Corp
TICKET AMOUNT	WELL TYPE 02
WELL LOCATION Leah	DEPARTMENT Zonal Isolation
LEASE / WELL # Sealy Sealand 1-4	SEC / TWP / RNG 9 33S 33W

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. M'lane 53601			
B. Tomlinson 51282			
C. Adelman 44061			

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psl)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0630							Job Ready
	0730							Called for Job
	0830							on location Rig laying down D.P.
								D.P. out of hole
	0800							Start Running Csg at float Equip.
	1027							Csg on Bottom
	1031							Hook up W/C Circulating Iron
	1035							Start Circulating
	1040	5.6	✓	0				Measure Rate at Meise holes
	1100							thru Circulating
	1101							Hook up to Pump truck
								Job Procedure 5 1/2 long string
	1102	6	10	✓		0/450		Start Fresh water Ahead
	1104	6	15	✓		450		Start Super Slush
	1107	6	18	✓		450		Start Fresh water Behind
	1108	6	25.5	✓		450/300		Start Scavenger Cement @ 10 #
	1111	6	54.7	✓		300/150		Start main Cement @ 14.7 #
	1127							thru mixing Cement
	1128							Shut Down / Release Plug
	1129							Wash up pump & lines
	1132	6	147	✓		1100		Start Displacement
	1136			✓		10750		Displacement Caught Cement
	1143	3		✓		10450		Slow Down Rate
	1145					100/500		Plug Landcol
								Release Slant
								Slant Hold
								Want 10m for Calling Halliburton



JOB SUMMARY 4239-1

TICKET #	TICKET DATE
384260	10-8-98
BDA / STATE	COUNTY
KS	Seward
PSL DEPARTMENT	
Tools	
CUSTOMER REP / PHONE	
Jack	
API / UWI #	
JOB PURPOSE CODE	
195	

REGION	North America	NWA/COUNTRY	Mid Cont
MBU ID / EMP #		EMPLOYEE NAME	J Armstrong
LOCATION	LI0207	COMPANY	Armadillo P&G
TICKET AMOUNT	Liberal	WELL TYPE	01
WELL LOCATION		DEPARTMENT	
LEASE / WELL #	N-Liberal	SEC / TWP / RNG	S002

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
Armstrong 44904			
D. M. ...			
S. Tate			
P. ...			

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
420789	2.4						
420975	2.4						
54030 - 77941	2.4						
57823 - 6610	2.4						

Form Name _____ Type: _____
 Form Thickness _____ From 1998-5016
 Packer Type RFS Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
10-8-98	09:00		10-8-98	11:15	10-9-98
			09:30		09:00

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer 5 1/2 RFS	1	Hes
Other		

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing N	15.5	5 1/2	6-L	6350	
Liner					
Liner					
Tbg/D.P. N	4.7	2 3/8	6-L		
Tbg/D.P.					
Open Hole					SHOTS/FT.
Perforations			4993	5010	
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	
Perpac 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	Overall
FEET	CEMENT LEFT IN PIPE	Reason

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	25	Premium	5	1.5% Haled - 7	1.06	16.4
	25	Premium	5	Next	1.05	16.4

Circulating Breakdown	Displacement	Preflush:	Gal - BBI	Type
Average	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Shut In: Instant	Frac Gradient	Treatment	Gal - BBI	Disp: BBI - Gal
	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 _____



JOB LOG HAL-2013-C

DATE 10-9-98 PAGE NO. 2

CUSTOMER *Armed to Set Log* WELL NO. *A-4* LEASE *SANTAFE land* JOB TYPE *195* TICKET NO. *3842605*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	05.00							Called out
	06.30							in loc
	07.00							Requested on loc
	07.06			✓		500		PSI TEST Squeeze Job
	07.39			✓		500		Release PSI
								Release RTTS
								Pull Top & PKI out of Hole
	09.00							RTTS out of Hole
ORIGINAL								

ORIGINAL

OCT 10
CONFIDENTIAL

Drill Stem Test Report

Telephone: (316) 624-7340

RELEASED
NOV 18 1993
FROM CONFIDENTIAL



P.O. Box 1182

Liberal, Kansas 67905

RECEIVED
STATE CORPORATION COMMISSION
NOV 23 1992
Division
of Kansas