

CONFIDENTIAL

ORIGINAL

SIDE ONE

FORM MUST BE TYPED

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: TEXACO TRADING & TRANSPORTATION, INC.

Operator Contact Person: DAVID W. KAPPLF

Phone (316) 624-6253

Contractor Name: BIG "A" DRILLING

License: 31572

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

1-16-98 1-26-98 2-7-98
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21703 00-00

County SEWARD

C - E/2 - NW Sec. 31 Twp. 34 Rge. 32 X W

1320 Feet from NX (circle one) Line of Section

1980 Feet from XW (circle one) Line of Section

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

Lease Name BLACKMER "A" Well # 3

Field Name CONDIT

Producing Formation CHESTER

Elevation: Ground 2779.2 KB _____

Total Depth 6640 PBTD 6362

Amount of Surface Pipe Set and Cemented at 1600 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
(Data must be collected from the Reserve Pit)

Chloride content 1400 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Location of fluid disposal if hauled offsite: _____

Operator Name KCC

Lease Name _____ License No. _____

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

County CONFIDENTIAL 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 3-30-98

Subscribed and sworn to before me this 30th day of March 1998.

Notary Public Freda L. King

Date Commission Expires _____

FREDA L. KING
Notary Public - State of Kansas
My Appt. Expires 5-15-99

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)
MAR 03 2000

Form ACO-1 (7-91)

FROM CONFIDENTIAL

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SIDE TWO

ORIGINAL

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name "BLACKMER "A" Well # 3-14-4

Sec. 31 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, MSFL, CNL-LDT.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
CHASE	2620	
COUNCIL GROVE	2956	
HEEBNER	4327	
TORONTO	4364	
LANSING	4502	
MARMATON	5200	
CHEROKEE	5446	
MORROW	5804	
CHESTER	6038	
STE. GENEVIEVE	6396	
ST. LOUIS	6572	

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UNTIL 3-30-2000

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	1600	P+ MIDCON 2/ P+	365/125	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7/7/8"	5-1/2	15.5	6510	VERSASET.	180	.6% HALAD 322, 5% KCL, .9% VERSASET, 1/4#SK FLC.

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
4	6370-6376, CIBP @ 6362.	ACID: 500 GAL 7 1/2% HCL.	6370-6376
4	6319-6331.	NONE.	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 7/8"	6310		

Date of First, Resumed Production, SWD or Inj.	Producing Method
2-9-98	<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	Water Bbls.	Gas-Oil Ratio	Gravity
	386	276	0	715	43.5

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: 6319-6331

TICKET #	233606	TICKET DATE	1-17-98
BDA / STATE	Ks	COUNTY	seward
PSL DEPARTMENT	cmt		
CUSTOMER REP / PHONE	steve		
API / UWI #	15-1752-1703		
JOB PURPOSE CODE	010		

REGION	North America	NWA/COUNTRY	MidCent USA
MBU ID / EMP #	1.0101 HB115	EMPLOYEE NAME	Nick Karbe
LOCATION	Liberal	COMPANY	Anadarko
TICKET AMOUNT	\$15,147.63	WELL TYPE	01
WELL LOCATION	3E, 1N of Liberal	DEPARTMENT	cmt
LEASE / WELL #	Blackner A-3	SEC / TWP / RNG	31-34-32 W

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
N. Karbe 43115			
G. Humphries 49692			
M. Longworth 49510			
C. Aschley 44061			

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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0640							called out
	0815							no lat
	0820							hold safety mtg
	0830							setup job
	1050							rig circ hole clean to pull D.P.
	1050							start in hole up csg 8 1/2 23" 1601'
	1115							drop ball cent 4, 3, 8, 37, Bucket 37
	1135	5	0			50		Break circ
	1215	5	209/0			50		start mixing cmt 3153ks MidCon 11.1%
	1221	5	37			50		start Tail cmt 1253ks Prem 15, 7 gal
	1230	6	0			50		release plug
	1250		1105			350		start disp
								land plug pres to 650
								release plug
								float held
								rackup job
								Job complete
								Thank you
								Nick, Gary, Mike, & Client
								(Circ 35 Bbl cmt to pit.)
								KCC
								MAR 30
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								RELEASED
								MAR 03 2000
								FROM CONFIDENTIAL

APR 2

REGION North America	NWA/COUNTRY Mid Continent	BDA / STATE KS	COUNTY Seward
MBU ID / EMP # 170105 63607	EMPLOYEE NAME D. M Lane	PSL DEPARTMENT Zonal Isolation	
LOCATION Liberal	COMPANY Anadarko Petroleum	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE 02	API / UWI #	
WELL LOCATION Lanal	DEPARTMENT Zonal Isolation	JOB PURPOSE CODE 035	
LEASE / WELL # Blackmer - A-3	SEC / TWP / RNG 31 34S 32W		

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
W. Tomlinson J1832			
M. Longworth G9510			

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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
38242	14						
52938-75058	14						
50866-6610	74						

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
1-27-98	0715	1-27-98	1-27-98	1-27-98
			1528	1630

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	U	13.5	5 1/2	6481	KB	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY	MAKE
Float Collar Inset 5 1/2	1	H
Float Shoe		
Guide Shoe Reg 5 1/2	1	O
Centralizers 5 1/2	14	
Bottom Plug		W
Top Plug 5 1/2	1	
Head PIC 5 1/2	1	C
Packer		
Other		O

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				See Job Log
				KCC
				MAR 30
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TOTAL		TOTAL		

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		

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

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	180	Premium	B	.9% Veraset 5% KCL 4% Holad-322 14% M Starch	1.41	14.5
	25		B	RH & MH	1.18	15.6

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Circulating _____ Displacement _____
 Breakdown _____ Maximum _____
 Average _____ Frac Gradient _____
 Shut In: Instant _____ 5 Min _____

15 Min _____

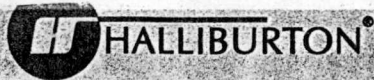
Preflush: Gal - BBI 8.13
 Load & Bkdn: Gal - BBI
 Treatment Gal - BBI
 Cement Slurr Gal - BBI 22.45
 Total Volume Gal - BBI

Type H₂O-Superflash
 Pad: BBI - Gal
 Disp: BBI - Gal 153

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE
[Signature]



JOB LOG 4239-5

TICKET #	234490	TICKET DATE	1-27-9
BDA / STATE	KS	COUNTY	Seward
PSL DEPARTMENT	Zonal Isolation		
CUSTOMER REP / PHONE			
API / UWI #			
JOB PURPOSE CODE	035		

REGION	North America	NWA/COUNTRY	Mid Continent
MBU ID / EMP #	170105 G 3601	EMPLOYEE NAME	D. McKane
LOCATION	Liberal	COMPANY	Acadeco Petroleum
TICKET AMOUNT		WELL TYPE	
WELL LOCATION	Liberal	DEPARTMENT	Zonal Isolation
LEASE / WELL #	Phedon A-3	SEC / TWP / RNG	31 34S 32W

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
B. Tinsman 71832			
A. Langen 15 69540			

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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1130							Job Ready
	0730							Called for Job
	1000							on location Rig having down DP
	1130							Set up pump truck
	1500							Start running Csg & Float Equip.
	1505							Csg on Bottom
	1515							Hook up PIC & Circulating Iron
	1528	3	5	✓		0		Start Circulating
	1545							through hole & Mouse hole
	1546							through Circulating
								Hook up to Halliburton
								Job Procedure for 5 1/2 long string
	1548	6	8	✓		0/250		Start Fresh water
	1549	6	10	✓		250		Start Super Flush
	1551	6	8	✓		250		Start Fresh water
	1552	6	4	✓		350		Start Cement @ 14.5#/Gal
	1600							through mixing Cement
	1601							Shut Down / Release Plug
	1602							Wash pumps & Lines
	1604	6	153	✓		0/200		Start Displacement
	1623			✓		200/400		Displacement Caught Cement
	1627	2.5		✓		400/200		Slow Down Rate
	1630			✓		200/200		Plug landed
				✓		200/200		Pressure up Csg
								Release Float
								Float held

Thank You For Calling Halliburton
Danny & Bryan & Crew

APR 21 1999

WICHITA DIVISION
Wichita, Kansas

RELEASED

MAR 03 2000

FROM CONFIDENTIAL