

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: ANADARKO TRADING COMPANY

Operator Contact Person: J. L. ASHTON

Phone ( 316 ) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: N/A

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SLOW  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. \_\_\_\_\_

10-16-96 10-26-96 11-5-96

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21570-00-00

County SEWARD

     -      - NW - NE Sec. 31 Twp. 34 Rge. 32 X      <sup>E</sup> <sub>W</sub>

660 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 BLACKMER "A" Well # 2

Field Name CONDIT

Producing Formation CHESTER

Elevation: Ground 2770.0 KB --

Total Depth 6650 PBSD 6397

Amount of Surface Pipe Set and Cemented at 1604 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 1200 ppm Fluid volume 700 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

     Quarter Sec.      Twp.      S Rng.      E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

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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 David W. Kapple  
Title DIVISION DRILLING ENGINEER Date 12/18/96

Subscribed and sworn to before me this 18th day of December 19 96.

Notary Public L. Marc Harvey  
Date Commission Expires \_\_\_\_\_  
**L. MARC HARVEY**  
Notary Public - State of Kansas  
My Appt. Expires 6-12-99

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)

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name BLACKMER "A" Well # 2

Sec. 31 Twp. 34 Rge. 32  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 (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 Name Top Datum  CHASE 2618 COUNCIL GROVE 2957 TORONTO 4361 LANSING 4503 MARMATON 5189 MORROW 5807 CHESTER 6020 STE. GENEVIEVE 6440 ST. LOUIS 6561
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 (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
List All E.Logs Run: CBL-GR, DIL, CNL-LDT, SONIC.		

CASING RECORD							
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	1604	P+ MIDCON 2/ P+	370/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8	5-1/2	15.5	6470	VERSASET	160	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
2	6334-6352	NONE	

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. FIRST: 11-19-96	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 28 Bbls.	Gas 6122 Mcf	Water 0 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: 6334-6352

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ANADARKO PETROLEUM CORPORATION  
BLACKMER A-2  
SECTION 31-T34S-R32W  
SEWARD COUNTY, KANSAS

15-175-21570 -00-00

COMMENCED: 10-16-96  
COMPLETED: 10-27-96

SURFACE CASING: 1604' OF 8 5/8" CMTD  
W/370 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 - 1605

RED BED & SHALE

1605 - 1930

SHALE

1930 - 2785

LIMESTONE & SHALE

2785 - 6650 RTD

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

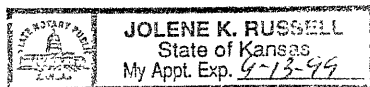
CHEYENNE DRILLING, INC.

WRAY VALENTINE

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 29TH DAY OF OCTOBER, 1996.

JOLENE K. RUSSELL

  
NOTARY PUBLIC



HALLIBURTON

JOB SUMMARY

HALLIBURTON DIVISION

HES

HALLIBURTON LOCATION

Libert KS

BILLED ON TICKET NO.

KCC 106060

WELL DATA

FIELD \_\_\_\_\_ SEC. 31 TWP. 3485 RNG. 32 W COUNTY Seward STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_
INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD
PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD
COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_
PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_
MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

Table with columns: NEW LOG, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Rows: CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

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JOB DATA

TOOLS AND ACCESSORIES table with columns: TYPE AND SIZE, QTY., MAKE. Rows: FLOAT COLLAR, FLOAT SHOE, GUIDE SHOE, CENTRALIZERS, BOTTOM PLUG, TOP PLUG, HEAD, PACKER, OTHER.

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Rows: DATE, TIME.

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Rows: T. Poyer, S. Tate, C. Ashley, B. Perreault.

MATERIALS
TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API
DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %
SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN
NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN
FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN
GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN
FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN
BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN
BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN
PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_
OTHER \_\_\_\_\_

DEPARTMENT 5001 Cement
DESCRIPTION OF JOB 8 7/8" SURFACE CASING
JOB DONE THRU: TUBING [ ] CASING [x] ANNULUS [ ] TBG. ANN. [x]
CUSTOMER REPRESENTATIVE X [Signature]
HALLIBURTON OPERATOR Tom Poyer
COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK, MIXED LBS./GAL. Rows: 1, 2.

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD BBL.-GAL. \_\_\_\_\_
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISP. BBL.-GAL. 100.7
SHUT-IN INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY BBL.-GAL. 212 BBL LEAD 23 BBL TAIL
HYDRAULIC HORSEPOWER \_\_\_\_\_
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_
AVERAGE RATES IN BPM \_\_\_\_\_
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_
CEMENT LEFT IN PIPE \_\_\_\_\_
FEET 41.95 REASON Shoe Joint

REMARKS
Cement to surface

CUSTOMER: ANADNEKO
LEASE: Blackwell
WELL NO.: A-1
JOB TYPE: CIV

JOB LOG HAL-2013-C

CUSTOMER APC WELL NO. A-2 LEASE Blackmer JOB TYPE 010 TICKET NO. 106060

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0130							Called out - Requested "now"
	0400							On Loc - Run Bit trip
								Safety Meeting
0915								Run Csg @ 85% <sup>23</sup>
	1012							ON Bottom @ 1616 ft
	1020							Hook-up to circ.
	1030							Hook-up to cont.
								DEC 18
								CONFIDENTIAL
	1033	0-2 1/2	212		✓		↑ 0/140	Pump lead cont. @ 370 sks.
	1059	7	23		✓		140	Pump tail cont. @ 100 sks
	1103	7-0			✓		↓ 140	Shut down - Drop plug
	1104	0-5	100		✓		↑ 0/500	Pump Dissol. - wash up 4 ft.
	1123	5-2			✓		↓ 400/350	Reduce Rate
	1124	2-0			✓		↑ 350/900	Plug Down
	1125				✓		↓ 900/0	RELEASE PRES - Float "held"
								CEMENT to SURFACE
								Approx: 20 bbls or 35 sks.
								Thank you!
								Tom + Jerry + CREW

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HALLIBURTON

JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

Mid Continent  
Liberal KS

KCC

BILLED ON TICKET NO. 106063

WELL DATA

FIELD \_\_\_\_\_ SEC. 31 TWP. 34s RNG. 32w COUNTY SEWARD STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_  
PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15 $\frac{1}{2}$	5 $\frac{1}{2}$	KB	6425	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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JOB DATA

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR INSERT/FV	1	Howco
FLOAT SHOE		
GUIDE SHOE REG	1	
CENTRALIZERS 12 $\frac{1}{16}$	10	
BOTTOM PLUG		
TOP PLUG SW	1	
HEAD P.C.	1	
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 10-21-96	DATE 10-27-96	DATE 10-27-96	DATE 10-27-96
TIME 0700	TIME 0930	TIME 1255	TIME 1357

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT CEMENT

DESCRIPTION OF JOB set oil string

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE Jim Boulan

HALLIBURTON OPERATOR Tom Poyer

COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	160	VERSASET		B	1/10% VERSASET, 1/10% HALAD 322, 5% KCL 1/4% SK Floccle	1.42	14.5
	25	VERSASET		B			

PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 41.65 REASON SHOE Joint

SUMMARY

VOLUMES

PRESLUSH BBL.-GAL. 8-10-8

LOAD & BKDN: BBL.-GAL. \_\_\_\_\_

TREATMENT: BBL.-GAL. \_\_\_\_\_

CEMENT SLURRY BBL.-GAL. 40.4

TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

DISPL BBL.-GAL. 153.3

REMARKS

CUSTOMER APC  
LEASE Blackmer  
WELL NO. A-2  
JOB TYPE 035  
DATE 10-27-96

CUSTOMER <b>APC</b>	WELL NO. <b>A-2</b>	LEASE <b>Blackmer</b>	JOB TYPE <b>035</b>
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0700							Called out - Requested "now"
	0930							On Loc. - <b>ORIGINAL</b>
	0935							Run Csg.
								<b>CONFIDENTIAL</b> Safety Meeting - Rig-up talk
	1223							On Bottom
								Hook-up to CIRC. - Reciprocate pipes
								Mix SUPER Flush
	1255	0-1/2		✓		0/50		Pump RAT
	1305	0-1/2		✓		0/50		Pump mouse
								Hook-up to cmt
	1309	0-2 1/2	8	✓		↑ 0/100		Pump H <sub>2</sub> O - Reciprocating
	1312	2 1/2	10	✓		100		Pump Super Flush
	1316	2 1/2	8	✓		100		Pump H <sub>2</sub> O
	1319	2 1/2 - 4 1/2	40	✓		↓ 100/250		Pump cmt.
	1328	4 1/2 - 0				↓ 20%		Shut down - Wash up - Drop plug
	1332	0-6 1/2	154	✓		↑ 0/100		Pump Displ.
	1353	6 1/2 - 2		✓		↓ 70%		Reduce Rate
	1355	2-0		✓		↑ 60%		Plug Down @ <b>150 bbls</b>
	1400					↓ 200%		Release Press. - Float "held"
								Good Returns
								Thank you!
								Tom & Sonny