

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICE

Operator Contact Person: DAVID W. KAPPLER

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING

License: 3779

Wellsite Geologist: MARVIN HARVEY

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 PBTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

1-11-97 1-23-97 3-12-97
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21457-0000

County MORTON

SE NE NW Sec. 35 Twp. 32 Rge. 41 X E W

990 Feet from X(N) (circle one) Line of Section

2310 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 GOING "B" Well # 4

Field Name DUNKLE

Producing Formation TOPEKA

Elevation: Ground 3412.7 KB _____

Total Depth 5338 PBTD 3315

Amount of Surface Pipe Set and Cemented at 1495 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 ALT 1 97 9-2-97
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Location of fluid disposal if hauled offsite: _____

Operator Name 5-7-97

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.

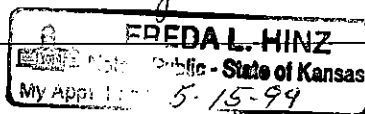
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey
L. MARC HARVEY
Title DRILLING TECHNICAL ASSISTANT Date 5-2-97

Subscribed and sworn to before me this 2nd day of May
19 97.

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 GOING "B" Well # 4

Sec. 35 Twp. 32S Rge. 41 East County MORTON
 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: DIL, ML, CNL-LDT, SONIC, CBL-GR.

<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample		
Name	Top	Datum
B/STONE CORRAL	1498	
CHASE	2152	
COUNCIL GROVE	2440	
WABAUNSEE	2872	
TOPEKA	3116	
KANSAS CITY	3728	
MARMATON	4234	
CHEROKEE	4440	
MORROW	4768	
STE. GENEVIEVE	5234	

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	12-1/4"	8-5/8"	23.0	1495	P+ MIDCON/ P+	300/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	3364	P+ MIDCON	225	3%CC, 1/4#SK FLC/ 2%CC, 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 checked="" type="checkbox"/> Plug Off Zone	2874-2946	H	50	.6% HALAD 322.

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	3158-3168,
		ACID: 6000 GAL FOAMED 15% FeHCL.	3158-3168
4	2938-2946, 2904-2916, 2890-2894, 2874-2882, SQZD.	ACID: 2400 GAL 15% FeHCL.	2874-2946 (OA)

TUBING RECORD	Size 2 3/8	Set At 3153	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. 3-14-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas 282 Mcf	Water 0 Bbls.	Gas-Oil Ratio	Gravity
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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: 3158-3168

NORSEMAN DRILLING, INC.
 WICHITA, KANSAS
 DRILLERS' WELL LOG

15-129-21457

WELL NAME: GOING B-4
 SECTION 35-32S-41W
 MORTON COUNTY, KANSAS

COMMENCED: January 9, 1997

COMPLETED: January 25, 1997

OPERATOR: ANADARKO PETROLEUM CORPORATION

Depth		Formation	Remarks
From	To		
0	1079	Sand & Redbed	Ran 33 jts of 23# of
1080	1285	Glorietta Sand	8 5/8" csg set @ 1482';
1286	3160	Redbed	Cemented w/300 sx regular
3050	5342	Lime & Shale	100 sx premium plus Plug down at 6:15 p.m. on 01/14/97.

Ran 80 jts of 5 1/2" 15.5# Set @ 3364; w/225 SX . Premium Plus; 2% CC; 1/4# SX Flocele; Plug down 6:00 a.m. on 12/10/96; Rig Rel at 11:00 a.m. on 01/25/97

STATE OF KANSAS)
) I the undersigned, being duly sworn on oath, state that the
) above Drillers' Well Log is true and correct to the best of my
 COUNTY OF SEDGWICK) knowledge and belief and according to the records of this office

NORSEMAN DRILLING, INC.

James P. Reilly
 JAMES P. REILLY, PRESIDENT

Subscribed & sworn to before me this December 20, 1996

My Appointment Expires:

July 21, 1999

Phyllis E. Brewer

Phyllis E. Brewer, Notary Public
 11817 Jamesburg
 Wichita, KS 67212

(41)

PHYLLIS E. BREWER
 Notary Public - State of Kansas
 My Appt. Expires 7-21-99

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ORIGINAL

NORSEMAN DRILLING, INC.
WICHITA, KANSAS
DRILLERS' WELL LOG

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SECTION 35-32S-41W
MORTON COUNTY, KANSAS

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NORSEMAN DRILLING, INC.

James P. Reilly

JAMES P. REILLY, PRESIDENT

Subscribed & sworn to before me this December 20, 1996

My Appointment Expires:

July 21, 1999

Phyllis E. Brewer

Phyllis E. Brewer, Notary Public

11817 Jamesburg
Wichita, KS 67212 (41)

PHYLIS E. BREWER
Notary Public - State of Kansas
My Appt. Expires 7-21-99

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FIELD _____ SEC **35** TWP. **32S** RNG. **41W** COUNTY **MORTON** 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 _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	D	23'	8 3/8"	K.B.	1493	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 1/13/77 TIME 20:45	DATE 1/14/77 TIME 00:30	DATE 1/14/77 TIME	DATE TIME

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT GEAR INSERT 8 3/8	1	
FLOAT GEAR FLH 984 8 3/8	1	
GUIDE SHOE REG. 8 3/8	1	
CENTRALIZERS 8 3/8 X 12 1/4	4	
BOTTOM PLUG		
TOP PLUG SW 8 3/8	1	
HEAD P.C. 8 3/8	1	
PACKER BASKET 8 3/8	1	
OTHER WELD-A 1 1/2	1	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
DAVID BACON	P/4 94453	DUNCAN, OK
TOM MULLINS	REN E 0382	DUNCAN, OK
DANNY MORGAN	BULK 50502-6612	DUNCAN, OK
PATERSON	BULK 4115-7237	HUGOTON, KS

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 _____
 OTHER _____

DEPARTMENT **5001**
 DESCRIPTION OF JOB **8 3/8 SURFACE**

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

CUSTOMER REPRESENTATIVE **X O J. A. Tuck**

HALLIBURTON OPERATOR **DAVID BACON** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	300	Prem MIDCON	S.W.	B	3% CL, 14" BK FLOCELE	3.22	11.1
	100	Prem PLUS	S.W.	B	2% CL, 14" BK FLOCELE	1.32	14.8

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET **45.80** REASON **SHOE JOINT**

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
 CEMENT SLURRY: BBL.-GAL. **172 bbl. 23.5 T.C.**
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

SEE JOB LOG

CUSTOMER AMARATHO PETROLEUM LEASE 60216 WELL NO. B-41 JOB TYPE 8 3/8 SURFACE DATE 1/14/77

JOB LOG HAL-2013-C

CUSTOMER		WELL NO.	LEASE	JOB TYPE		TICKET NO.		
ADAMKO PETRO		B-4	GOING	8 3/8 SURFACE		107445		
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	20:45							CALLED OUT ON LOCATION ORIGINAL SAFETY MEETING
	00:30							
	00:45							
	17:00							ON BOTTOM CIRCULATE w/REG
	17:21	6	172			100		LEAD CMT
	17:46	6	23.5			80		TAIL CMT
	17:51	6	92			250		DROP PLUG & DISPLACE
	18:10					850		LAND PLUG 1 BPM BEFORE LANDING PLUG
								20 BBL CIRCULATED BACK TO PT 345K

THANKS
DANN & CREW

~~EXPER~~

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JOB SUMMARY

HALLIBURTON DIVISION *Mid Cont*
 HALLIBURTON LOCATION *Liberal KS*

BILLED ON TICKET NO. *185453*

WELL DATA

FIELD _____ SEC *35* TWP. *32S* RNG. *41W* COUNTY *Morton* 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 _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<i>0</i>	<i>15.5</i>	<i>5 1/2</i>	<i>0</i>	<i>3379</i>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>1-24-96</i>	DATE <i>1-24-96</i>	DATE <i>1/25/97</i>	DATE <i>1/25/97</i>
TIME <i>17:00</i>	TIME <i>20:30</i>	TIME <i>03:15</i>	TIME <i>06:00</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>Dano Bacon</i>	<i>P/U</i>	<i>Duncan OK</i>
<i>D9366</i>	<i>94453</i>	<i>Special Ser</i>
<i>John Klofer</i>	<i>Rem</i>	<i>Duncan OK</i>
<i>85257</i>	<i>52276-71A</i>	<i>Special Ser</i>
<i>Brian McIntyre</i>	<i>Bulk</i>	<i>Hugobon KS</i>
<i>H 2308</i>	<i>50866-76A</i>	

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MRS. S. D. J. COOK

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		Hawco
FLOAT SHOE		
GUIDE SHOE	<i>1</i>	
CENTRALIZERS	<i>22</i>	
BOTTOM PLUG		
TOP PLUG	<i>1</i>	
HEAD		
PACKER		
OTHER <i>Insert Killup</i>	<i>1</i>	

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 5001*
 DESCRIPTION OF JOB *5 1/2 Longstring*
 JOB DONE THRU: TUBING CASING ANNULUS TBG. ANN.
 CUSTOMER REPRESENTATIVE *X D. J. Stuck*
 HALLIBURTON OPERATOR *DANO BACON* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU FT / SK	MIXED LBS. / GAL
<i>1</i>	<i>225</i>	<i>Mid-Cont Pt</i>		<i>B</i>	<i>2% CC, 1/4 lb Flocc</i>	<i>2.01</i>	<i>12.8</i>

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. _____ DISPL: BBL. *79*
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL. *80.54*
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET *42.17* REASON *Shoe Joint*

CUSTOMER *Hughes & Downs*
 LEASE *Booms*
 WELL NO. *B-4*
 JOB TYPE *5 1/2 Longstring*
 DATE *1-24-97*

JOB LOG HAL-2013-C

 CUSTOMER: *Anadarko Petro. Corp.* WELL NO.: *8-4* LEASE: *Going* JOB TYPE: *5 1/2 Longstring* TICKET NO.: *185453*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	<i>17:00</i>							<i>Call-out</i>
	<i>20:30</i>							<i>On Location</i>
	<i>21:00</i>							<i>Safety Meeting</i> ORIGINAL
								<i>Run float Equipment</i>
	<i>03:45</i>							<i>Circulate Hole</i>
	<i>05:08</i>	<i>6</i>	<i>26</i>			<i>130</i>		<i>8 BBL H2O 10 BBL SUPERFLUSH 8 BBL H2O</i>
	<i>05:21</i>	<i>6</i>	<i>80</i>			<i>225</i>		<i>Start Cement Job / 12.8th gal</i>
	<i>05:36</i>							<i>WASH pump & LINES</i>
	<i>05:41</i>	<i>6</i>	<i>79.5</i>			<i>450</i>		<i>DISPLACE WITH H2O</i>
	<i>06:00</i>					<i>1000</i>		<i>Bump PLUG</i>
								<i>1 BPM BEFORE Bump IN PLUG</i>
								<i>RELEASE FLOAT / FLOAT HELD</i>
								<i>THANKS</i>
								<i>DANO, JOHN, & BREW</i>

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 07 MAY -7 P 12:14