

FORM MUST BE TYPED

SIDE ONE

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- 129-21503-0000
County MORTON
C - SE - NW - SE Sec. 26 Twp. 32 Rge. 41 X W E

Operator: License # 4549

1650 Feet from X(S) (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

1650 Feet from (E)X (circle one) Line of Section

Address P. O. BOX 351

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Lease Name GOING "A" Well # 6

Purchaser: ANADARKO ENERGY SERVICES

Field Name DUNKLE

Operator Contact Person: DAVID W. KAPPLE

Producing Formation MARMATON

Phone (316) 624-6253

Elevation: Ground 3412.8 KB _____

Contractor: Name: NORSEMAN DRILLING

Total Depth 5605 PBTD 4350

License: 3779

Amount of Surface Pipe Set and Cemented at 1501 Feet

Wellsite Geologist: _____

Multiple Stage Cementing Collar Used? X Yes _____ No

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover

If yes, show depth set 3221 Feet

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

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

If Workover:

Drilling Fluid Management Plan A17-1 1-21-98-V.C
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 1000 ppm Fluid volume 700 bbls

Well Name: _____

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

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

Operator Name _____

Lease Name _____ License No. _____

3-26-97 4-6-97 5-19-97
Spud Date Date Reached TD Completion Date

_____ Quarter Sec. _____ Twp. _____ S Rng. _____

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

Title DRILLING TECHNICAL ASSISTANT Date 6-10-97

Subscribed and sworn to before me this 10th day of June 19 97.

Notary Public Freda L. Hinz

Date Commission Expires _____



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

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name GOING "A" Well # 6

Sec. 26 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, DP SONIC,
 CBL-CCL-GR.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
CHASE	2165	
COUNCIL GROVE	2496	
WABAUNSEE	2869	
TOPEKA	3113	
B/HHEEBNER	3538	
KANSAS CITY	3800	
MARMATON	4228	
CHEROKEE	4416	
MORROW	4732	
MISSISSIPPIAN	5210	

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	1501	P+ MIDCON/ P+	290/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	5304	P+ MIDCON/ VERSASET	132/154	2%CC, 1/4#SK FLC/ .6% HALAD 322, .9% VERSASET, 1/4#SK FLC 5% KCL.
			D.V.TOOL @	3221	P+ MIDCON	92	2%CC, 1/4#SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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	5171-5181, CIBP @ 5168.	ACID: 500 GAL 7 1/2% FeHCL & 150 GAL METH.	5171-5181
4	5142-5146, CIBP @ 5136.	ACID: NONE		
2	5106-5112, CIBP @ 5095.	ACID: 500 GAL 7 1/2% FeHCL.	5106-5112	
2	5067-5075, CIBP @ 4460.	ACID: 400 GAL 7 1/2% FeHCL.	5067-5075	
2	4395-4400, 4376-4386, 4367-4371, RBP @ 4350.	ACID: 2100 GAL 15% FeHCL.	4367-4400 (OA)	
4	4305-4320, 4288-4300, 4284-4288, 4271-4277.	ACID: 3700 GAL 15% FeHCL.	4271-4320 (OA)	

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.	Producing Method
5-27-97	<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
		1030	0		

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: 4271-4320 (OA)

REGION North America	NWA/COUNTRY USA	BDA / STATE KS	COUNTY Abertons
MBU ID / EMR # 110104 63601	EMPLOYEE NAME D. McKane	PSL DEPARTMENT Cement	
LOCATION D Kolla	COMPANY Anadarko Petroleum Corp	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE OR	API / UWI #	ORIGINAL
WELL LOCATION Kandi	DEPARTMENT Cement	JOB PURPOSE CODE 035	
LEASE / WELL # Goona A-6	SEC / TWP / RNG 26-325-41W		

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
J Woodrow			
C Ashley			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420 344							
53594 / 76700							
51984 / 77031							

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

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar 5 1/2" x 5 1/2" x 5 1/2"	1	H
Float Shoe		
Guide Shoe 200 5 1/2"	1	O
Centralizers 5 1/2"	29	
Bottom Plug		W
Top Plug has Stage Adapter	1	
Head P/C	1	C
Packer		
Other Cmt Basket 5 1/2"	1	O

MATERIALS

	Density	Lb/Gal
Treat Fluid		
Disp. Fluid		
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		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
4-7-97	14:20	4-7-97	4-7-97	4-8-97
			2340	0515

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	11	15.5	5 1/2	KB	5334	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				SEE Job Log
				11/97
				RECEIVED
				11/11
				0
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER
	Avail. Used
TREATED	AVERAGE RATES IN BPM
	Disp. Overall
FEET 43.5	CEMENT LEFT IN PIPE
	Reason Shoe Joint

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
11/22	132	Midcon PT	B	2% CC 1/4" #16 shanks	200	12.8
41/22	124	Vicimum	B	.9% Versaset 5% LCM 6 1/2% Halcid 3.2 14% #16 shanks	141	14.5
2nd 12	42	Midcon PT	B	2% CC 1/4" #16 shanks	200	12.8

Circulating _____ Displacement _____ Preflush: Gal - **BBI 8-10-97** Type **H2O Surm 30**
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - **BBI** Pad: **BBI - Gal**
 Average _____ Frac Gradient _____ Treatment Gal - **BBI** Disp: **BBI - Gal 125**
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - **BBI 2.6 4.7 T.C 38.0 2nd Stage 3**
 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 4239-5

REGION North America	NWA/COUNTRY	TICKET #	TICKET DATE
MBU ID / EMP #	EMPLOYEE NAME	BDA / STATE	COUNTY
LOCATION	COMPANY	PSL DEPARTMENT	
TICKET AMOUNT	WELL TYPE	CUSTOMER REP / PHONE	
WELL LOCATION	DEPARTMENT	API / UWI #	
LEASE / WELL #	SEC / TWP / RNG	JOB PURPOSE CODE	

ORIGINAL

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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1630							Job Ready
	1740							Called Joe Job,
	1630							on location with pump truck & bulk truck
	1810							Rig Layina down U.P
	1927							Dip out bit hole
	2300							start running Csg & float equip put U.U tool
	2304							on 50" joint
	2337							Csg on bottom hook up PIC & circulating iron
	2340							start circulating Hold safety meeting
	2341	3	5		X		0	through circulating
								Hook up to Halliburton
								Plug RHD P/H
								Job Procedure 1st stage 5/2 U.U L.S
	2343	3	8		X		0/250	Start Fresh water
	2344	3	10		X		250	Pump Super Flush
	2346	3	8		X		250	Pump Fresh water
	2355	6.5			X		219/350	Start Lead Cement @ 12.8
	003	6.5			X		319/400	Start Tail Cement @ 14.5
	008							through mixing cement
	011							Shut Down Release Plug
	013							Wash up pumps & lines
	015							Start Displacement with Fresh water & mud
	11	5	48.5		X		0/250	Fresh water first
	021	5.6	76.6		X		20/200	Rig mud 2nd in Displacement
	036						609/100	Plug landed Release float
	038				X		2200	Pressure up to 2200 PSI to open tool
	045							Hook up to Rig pump hole is circulating
								Job Procedure 2nd stage 5/2 U.U L.S
	0440	5-6	20		X		0/250	Hook up to Halliburton
	0440	5-6	20		X		0/400	Start Fresh water Ahead
	0445	5-6	32.7		X		400/200	Start Cement
	0449							through mixing cement
	0450							Shut Down Release plug wash pumps & lines
	0455		76.6		X		0/250	Start Displacement
					X		31/750	Max PSI Before Plug lands
	3510				X		11/200	Plug landed Release float
								float held

Thank You
Danny & Woody & Crew

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 11/11/11 BY 1111



JOB SUMMARY 4239-1

TICKET #	183740	TICKET DATE	3-28-97
BDA / STATE	KS	COUNTY	MORTON
PSL DEPARTMENT	CEMENT		
CUSTOMER REP / PHONE	OJ STUCK		
API / UWI #	ORIGINAL		
JOB PURPOSE CODE	010		

REGION	North America	NWA/COUNTRY	MID CONTINENT
MBU ID / EMP #	62098 LI 0101	EMPLOYEE NAME	JASON NICHOLAS
LOCATION	LIBERAL KS	COMPANY	ANADARKO PETRO.
TICKET AMOUNT		WELL TYPE	02
WELL LOCATION	MORTON Co	DEPARTMENT	5001
LEASE / WELL #	GOING A-6	SEC / TWP / RNG	26-325-41W

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
JASON NICHOLAS 62098		RON CRIST D7653		SAM GRANT H4639		C. WOODS E 0783	
						E FERGLSON J0098	

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	120	50332-75505	60				
420045	120	4461-6611	60				
52947-75196	120						

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

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY	MAKE
Float Collar <u>INSERT FLOAT</u>	1	
Float Shoe <u>FILLUP ASS.</u>	1	
Guide Shoe <u>REGULAR</u>	1	
Centralizers	4	
Bottom Plug		
Top Plug	1	
Head		
Packer <u>WELD-A</u>	1	
Other <u>CEMENT BASKET</u>	1	

MATERIALS		
Treat Fluid	Density	Lb/Gal
Disp. Fluid <u>H₂O</u>	Density <u>9.33</u>	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		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	3-27-97	3-28-97	3-28-97	3-28-97
TIME	2130	0030	0648	0742

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	23	8 5/8	KB	15/8 FT	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
3-28-97	8 HRS	3-28-97	1 HR	8 5/8 SURFACE CASING RECEIVED 199 JUN 11 P RECEIVED 199 JUN 11 P
TOTAL	8 HRS	TOTAL	1 HR	

ORDERED	HYDRAULIC HORSEPOWER	USED
	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Overall
	Disp.	
FEET 45.90 FT	CEMENT LEFT IN PIPE	
	Reason	SHOE JOINT

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
LEAD	290			3% CC, 1/4 #/SK FLOCELE	3.22	11.1
TAIL	100			2% CC, 1/4 #/SK FLOCELE	1.32	14.8

Circulating Breakdown	Displacement	94.2 BBLs	Preflush:	Gal - BBI	Type
Average	Maximum		Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Shut In: Instant	Frac Gradient		Treatment	Gal - BBI	Disp: (BBI) Gal 94.21
	5 Min	15 Min	Cement Slurr	Gal - (BBI) 116 BBL LEAD 25.5 BBL TAIL	
			Total Volume	Gal (BBI) 283.7	

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

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE: O. J. Stuck



JOB LOG 4239-5

TICKET # 183740

TICKET DATE 1-97

REGION North America	NWA/COUNTRY MID CONTINENT	BDA / STATE KS	COUNTY Hamilton
MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE	API / UWI #	ORIGINAL
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE	
LEASE / WELL #	SEC / TWP / RNG		

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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	2130							Called out -
	0030							On location - Drilling
	0345							Start running casing
	0626							Rig up circulate to pit - Good circulation
								SAFETY MEETING
	0645							Rig up to pump truck
	0648	6.3	16.6	✓	0	133		Mix and Pump CEMENT - MID CON PT 11.1#
	0714	4.0	23.5	✓	0	133		Pump Tail CEMENT - P+ 14.9#
	0720				0			SHUT DOWN - Drop PLUG
	0721	5.25	84.2	✓	0	270		START PUMPING DISPLACEMENT - H ₂ O
	0737	2	10	✓	0	355		SLOW DOWN 2 BBL MIN
	0742							PLUG LANDED - FLOAT HELD.
								<i>Circ = 20 - Bbl to pit ✓</i>

RECEIVED
 MAJISAS BORTHOM
 1997 JUN 11 P 1:41

THANK YOU FOR CALLING
 HALLIBURTON
 ENERGY
 SERVICES

CREW
 NICHOLAS, CRIST, GRANT, WOODS, FERGUSON

ORIGINAL

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

15-129-21503

WELL NAME: GOING A-6
SECTION 26-32S-41W
MORTON COUNTY, KANSAS

COMMENCED: MARCH 25, 1997

COMPLETED: APRIL 08, 1997

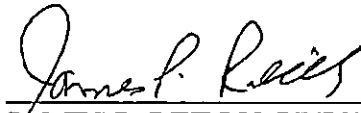
OPERATOR: ANADARKO PETROLEUM CORPORATION

Depth		Formation	Remarks
From	To		
0	1059	Sand & Redbed	Ran 34 jts of 23# of 8 5/8" csg set @ 1501'; Cemented w/290 sx Premium Plus; Tailed w/100 sx Prem. Plus; Plug down at 7:45 a.m. on 03/28/97.
1060	1195	Glorietta Sand	
1196	2754	Redbed	
2755	5605	Lime & Shale	

Ran 134 jts of 5 1/2" 15.5# Set @ 5304; cemented 1st stage w/134 SX; Cemented 2nd stage 95 SX; Plug down 5:00 a.m. on 04/08/97; Rig Rel at 7:00 a.m. on 04/08/97.

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

NORSEMAN DRILLING, INC.

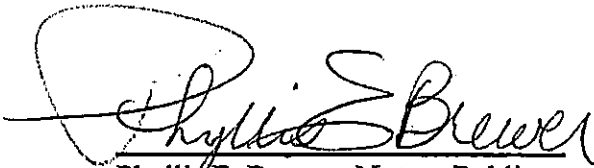


 JAMES P. REILLY, PRESIDENT

Subscribed & sworn to before me this April 15, 1997

My Appointment Expires:

July 21, 1999



 Phyllis E. Brewer, Notary Public
 11817 Jamesburg
 Wichita, KS 67212 (51)

