

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- 175-21721 0000
County SEWARD
80' W OF NE - SW Sec. 35 Twp. 34 Rge. 34 X W

Operator: License # 4549

1980 Feet from X(S) (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

1900 Feet from X(W) (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 HATCHER "B" Well # 5

Purchaser: TEXACO TRADING & TRANSPORTATION, INC.

Field Name ARCHER

Operator Contact Person: DAVID W. KAPPLE

Producing Formation ST. LOUIS

Phone (316) 624-6253

Elevation: Ground 2892.7 KB _____

Contractor: Name: BIG "A" DRILLING

Total Depth 6750 PBDT 6714

License: 31572

Amount of Surface Pipe Set and Cemented at 1627 Feet

Wellsite Geologist: _____

Multiple Stage Cementing Collar Used? _____ Yes X No

Designate Type of Completion

If yes, show depth set _____ Feet

X New Well _____ Re-Entry _____ Workover

If Alternate II completion, cement circulated from _____

X Oil _____ SWD _____ SLOW _____ Temp. Abd.

feet depth to _____ w/ _____ sx cmt.

_____ Gas _____ ENHR _____ SIGW

_____ Dry _____ Other (Core, WSW, R&C, etc.)

Drilling Fluid Management Plan Att. 1, 2-7-98 D.C.
(Data must be collected from the Reserve Pit)

If Workover:

Alt IWHM 10-18-07

Operator: _____

Chloride content 2200 ppm Fluid volume 700 bbls

Well Name: _____

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Comp. Date _____ Old Total _____

Location of fluid disposal if hauled offsite: _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD

Operator Name RELEASED

_____ Plug Back _____ PBDT

Lease Name _____

_____ Commingled _____ Docket No. _____

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

_____ Dual Completion _____ Docket No. _____

County FROM CONFIDENTIAL

_____ Other (SWD or Inj?) _____ Docket No. _____

4-6-98 4-16-98 5-1-98
Spud Date Date Reached TD Completion Date

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.

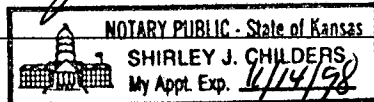
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey
Title DRILLING TECHNICAL ASSISTANT Date 7-6-98

Subscribed and sworn to before me this 6th day of July 1998.

Notary Public Shirley J Childers

Date Commission Expires _____



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

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HATCHER "B" Well # 5

Sec. 35 Twp. 34 Rge. 34 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, ML, CNL-LDT, MSFL, LS SONIC.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
CHASE	2620	
COUNCIL GROVE	2994	
HEEBNER	4292	
TORONTO	4324	
LANSING	4450	
MARMATON	5148	
CHEROKEE	5455	
ATOKA	5621	
MORROW	5832	
CHESTER	6130	
STE. GENEVIEVE	6452	
ST. LOUIS	6480	
SPERGEN	6644	

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MAR 28 2001

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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	1627	P+ MIDCON 2/P+	310/100	3%CC, 1/4#SKFLC/2%CC, 1/4#SKFLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6714	50/50 POZ/50/50 POZ.	25/150	.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 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	6560-6567.		ACID: 800 GAL 15% HCL.
4	6527-6555.		ACID: 1400 GAL 15% HCL.	6527-6555

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 7/8"	6584		

Date of First, Resumed Production, SWD or Inj. 5-2-98 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	105	79	39	752	

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Production Interval 6527-6567 (OA)

Other (Specify) _____



JOB SUMMARY

ORIGINAL

TICKET # 382779

TICKET DATE 4-7-98

REGION North America	NW/COUNTRY Mid CONTINENT	BDA / STATE KS	COUNTY SEWARD
MBU ID / EMP # LT104 62573	EMPLOYEE NAME JOHN Woodrow	PSL DEPARTMENT CEMENT	
LOCATION LIBERAL KS	COMPANY ANADARKO PETROLEUM	CUSTOMER REP / PHONE O.J. STUCK	
TICKET AMOUNT	WELL TYPE 01	API / UWI #	
WELL LOCATION LIBERAL KS	DEPARTMENT CEMENT	JOB PURPOSE CODE 010-8 5/8 SURFACE	
LEASE / WELL # HATCHER B-5	SEC / TWP / RNG 35-34S-34W	CONFIDENTIAL	

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
S. GRANT H4639							
C. ASHLEY 44061							
D. FULK 30763							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
53554/76400	8						
51904/72031	36						
50404/7649	36						

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 TUSER1 8 5/8	1	H
Float Shoe		
Guide Shoe RRG 8 5/8	1	O
Centralizers S-4 8 5/8	1	
Bottom Plug		W
Top Plug S-W 8 5/8	1	
Head P/C 8 5/8		C
Packer P/C		
Other BASKET	1	O

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		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	4-7-98	4-7-98	4-7-98	4-7-98
TIME	0700	0930		1430

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	24'	8 5/8	BB	1623	
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	
				RELEASED
				MAR 28 2001
				FROM CONFIDEN.
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used

AVERAGE RATES IN BPM

TREATED	Disp.	Overall

CEMENT LEFT IN PIPE

FEET	Reason

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	310	Pt midcom	B	3% CC, 1/4 Flocc	3.22	11.1
	100	pt	B	2% CC, 1/4 Flocc	1.32	14.8

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI - Gal 102
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI 178	
		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 _____

TICKET # 382779
 TICKET DATE 4-7-74
 BDA / STATE KS
 COUNTY SEDGEMAN
 PSL DEPARTMENT CEMENT
 CUSTOMER REP / PHONE O.B. STUCK
 API / UWI #
 JOB PURPOSE CODE 010-8 1/2 SURFACE
CONFIDENTIAL

REGION North America
 NWA/COUNTRY MID CONTINENT
 EMPLOYEE NAME JOHN Woodrow
 COMPANY ANADARKO PETROLEUM
 WELL TYPE 01
 DEPARTMENT CEMENT
 SEC / TWP / RNG 35-34S-34W

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
S. GRANT 114639							
C. ASHLEY 44067							
D. FALK 00763							

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1100							JOB READY
	0700							CONSERVATION DIVISION Wichita, Kansas
	0945							PUMP TRUCK ON LOCATION / RIG HAS 1630' OF 12 1/4 HOLE CUT / ON BOTTOM CIRCULATING HAVE PRE JOB SITE ASSESSMENT MEETING / SPOT TRUCKS / RIG UP IRON
	1045							TRIP OUT DRILL PIPE 1430
	1220							START RUNNING 8 7/8 CSG + FLT EQUIPMENT CASING ON BOTTOM 1623' HOOK UP 8 7/8 P/O + CIRCULATING IRON START CIRCULATING WITH RIG PUMP THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
								<u>JOB PROCEDURE</u>
	1336	7.0	182.0					9700 START MIXING LEAD CMT AT 11.1 ^{LB} /GAL
	1402	6.0	23.5					149 START MIXING TAIL CMT AT 14.8 ^{LB} /GAL
	1407							0 THROUGH MIXING CMT / SHUT DOWN
	1408							RELEASE PLUG
	1408	6.0						1008 START DISPLACING HAVE 90 BBLS OUT HAVE CMT RETURNS TO SURFACE
	1430		103					350/750 PLUG DOWN / RELEASE FLOAT FLOAT HELD
								RELEASED CIRCULATED (20 BBLS 35 SKS TO PIT)
								THANK YOU FOR CALLING HALLIBURTON! WOODY + CREW

FROM CONFIDENTIAL

CONFIDENTIAL

STATE CORPORATION COMMISSION

RECEIVED

JUL 08 1998

TICKET #	312007	TICKET DATE	
BDA / STATE	TX	COUNTY	
PSL DEPARTMENT	CMF		
CUSTOMER REP / PHONE	STATE OPERATIONAL DIVISION		
API / UWI #			
JOB PURPOSE CODE	030		

REGION	North America	NWA/COUNTRY	USA
MBU ID / EMP #	24350	EMPLOYEE NAME	THE BOYD
LOCATION	LUMBER	COMPANY	HPC
TICKET AMOUNT		WELL TYPE	OT
WELL LOCATION	COND	DEPARTMENT	CMF
LEASE / WELL #	10-2	SEC / TWP / RNG	35-34-34

RECEIVED
JUL 06 1998

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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	
	1430							Called out for job.
	1800							on LSC. RIG L.D.P.P
	1900							out of hole W.D.P.
	1925							Start 5 1/2 CSH & F.E
								CONFIDENTIAL
	2234							Casing on BOH hook up 5 1/2 P.C. & Circ. I.P.O.
	2243							Blk circ w/riy.
	2253							Circ. to pit
	2315		6		✓			Play Kat & mouse hole. 25sx
	2327							Thru. Circ. Hook from to pit.
	2330	7.0	8		✓	350		PUMP H ₂ O Spacer
	2332	7.0	10		✓	350		PUMP Super flush.
	2334	7.0	8		✓	350		PUMP H ₂ O Spacer
	2335	7.0	15		✓	300		PUMP 25sx SOUV. at 10 [#]
	2338	6.5	34		✓	220		PUMP 150sx 30/50 PUMP PIT at 14.4 [#] 1291
	2343	0	75		✓	0		Shut Down PIP PUMP Wash up.
	2346	7.0	159.1		✓	60		PUMP PIP
	006	6.5	159.1		✓	10 [#] 250		173 bbls in Lift CMF
	010	7.0	159.1		✓	500		150 bbls in SIG rate.
	012	7.0	159.1		✓	60 [#] 200		Latent PIP.
	014	0	159.1		✓	300 [#] 0		Release float - Held.
	030		159.1		✓			Job over
								Thanks for calling HES
								The BOYD & CREW

RELEASED
MAR 28 2001

FROM CONFIDENTIAL