

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

CONFIDENTIAL

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: TEXACO TRADING & TRANSPORTATION, INC.

Operator Contact Person: DAVID W. KAPPLE

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

3-17-98 4-1-98 4-15-98
 Spud Date Date Reached TD Completion Date

API NO. 15- 175-21717

County SEWARD

SWSE
~~E/2 W/2 NE NW Sec. 35 Twp. 34 Rge. 34~~ X W

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

1700 Feet from (E)X (circle one) Line of Section

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

Lease Name HATCHER "B" Well # 3

Field Name ARCHER

Producing Formation ST. LOUIS

Elevation: Ground 2898 KB _____

Total Depth 6750 PBDT 6640

Amount of Surface Pipe Set and Cemented at 1635 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 Att 1, 7-31-98 U.C.
(Data must be collected from the Reserve Pit)

Att I with 10-18-07

Chloride content 2000 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License MAY 28

Quarter _____ Sec. _____ Twp. _____ S _____

County _____ Docket No. _____

KCC

CONFIDENTIAL

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.

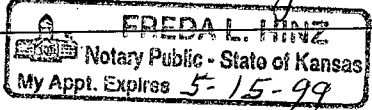
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey
 Title DRILLING TECHNICAL ASSISTANT Date 5-26-98

Subscribed and sworn to before me this 26th day of May 1998.

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)

RELEASED

MAY 26 2000

1111111111

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HATCHER "B" Well # 3

Sec. 35 Twp. 34 Rge. 34 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, CNL-LDT, MRI, SONIC.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
CHASE	2625	
COUNCIL GROVE	2999	
HEEBNER	4293	
TORONTO	4328	
LANSING	4448	
MARMATON	5148	
CHEROKEE	5457	
MORROW	5838	
CHESTER	6129	
STE. GENEVIEVE	6427	
ST. LOUIS	6476	
SPERGEN	6645	

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	1635	P+ MIDCON 2/P+	330/100	3%CC, 1/2%SKFLC/2%CC, 1/2%SKFLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6746	50/50 POZ/50/50 POZ.	25/140	.75% HALAD 322, 10% SALT, 1/2%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
2	6655-6670, CIBP @ 6640.		
4	6572-6588, 6536-6567, 6524-6533.	ACID: 3000 GAL 15% HCL.	6524-6588 (OA)

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 7/8"	6427		

Date of First, Resumed Production, SWD or Inj.	Producing Method
4-17-98	<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
	16	97	67	6063	

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

(If vented, submit ACO-18.)

METHOD OF COMPLETION _____ Production Interval 6524-6588 (OA)

FROM CONFIDENTIAL



JOB SUMMARY 4239-1

TICKET #	234059	TICKET DATE	3-18-98
BDA / STATE	Ks	COUNTY	Seward
PSL DEPARTMENT	5001	CUSTOMER REP / PHONE	Tim Barlow
API / UWI #	15-17521717	JOB PURPOSE CODE	010

REGION	North America	NWA/COUNTRY	Mid Cont USA
MBU ID / EMP #	11010	EMPLOYEE NAME	Nick Korbe
LOCATION	Liberal	COMPANY	Anadarko Pet Corp
TICKET AMOUNT	113115	WELL TYPE	01
WELL LOCATION	1 1/2 W 1 1/2 N, Liberal	DEPARTMENT	5001
LEASE / WELL #	Hatchery B-3	SEC / TWP / RNG	35-345-34W

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
N. Korbe 113115			
D. Mahone 63609			
D. Fulk			
S. Toland 114817			

ORIGINAL

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	10						
52938/75058	10						
52261 6611	60						
50233 / 25235	60						

CONFIDENTIAL

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
3-18-98	0500	0630	0900	1200

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar present	1	H
Float Shoe fill tube	1	O
Guide Shoe Reg	1	W
Centralizers	4	C
Bottom Plug		
Top Plug	1	O
Head		
Packer Basket	1	
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	23#	8 7/8	0	1634	1000
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

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		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
3-18-98	5 hr	3-18-98	1 hr	010
				KCC
				MAY 26
				CONFIDENTIAL
TOTAL	5 hrs	TOTAL	1 hr	

HYDRAULIC HORSEPOWER
 ORDERED _____ Avail. _____ Used _____
AVERAGE RATES IN BPM
 TREATED _____ Disp. _____ Overall _____
CEMENT LEFT IN PIPE
 FEET 41 Reason _____

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	320	M.W. COIL P.P.	P	3% CC 1/4" flocc	3.22	11.1
T	100	P.P.	B	2% CC 1/4" flocc	1.32	14.8

FROM CONFIDENTIAL

Circulating _____	Displacement _____	Preflush: _____	Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: _____	Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment _____	Gal - BBI _____	Disp: BBI - Gal 102.3
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr _____	Gal - BBI 212.5	
		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

Tim Barlow

TICKET #	234059	TICKET DATE	3-18-98
BDA / STATE	Ks	COUNTY	Sevier
PSL DEPARTMENT	5001	CUSTOMER REP / PHONE	Jim Marlow
API / UWI #	15-175-21717	JOB PURPOSE CODE	010

REGION	North America	NW/COUNTRY	MidCont U.S.A.
MBU ID / EMP #	L:0110 H:3115	EMPLOYEE NAME	Nick Korbe
LOCATION	Liberal	COMPANY	Anadarko Pet. Corp.
TICKET AMOUNT		WELL TYPE	01
WELL LOCATION	15W 1/2 Liberal	DEPARTMENT	5001
LEASE / WELL #	Hatcher B-3	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
N. Korbe H3115			
D. McClane G3609			
D. Fulk			
S. Teletford H4817			

ORIGINAL CONFIDENTIAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0500							called out
	0630							on loc Held safety mtg set trks up
								tig pulling D.C.
	0720							start F.E.
	0830							Drop Ball
	0840							Break circ
	0857	6	0			100		Start L. cont 330 sks 11.1 gal
	0928	6.5	184/0			100		start T. cont 100 sks 14.8 gal
	0932		23.5			100		end cont
	0933							release plug
	0934	6	0					start disp
	0954	2.5	102			34/100		Bump plug
	0955							release pres flr held
								rack up Trk wash up Trk
								Tap complete Thank you
								Nick, Danny, Stan, Dusty

circ 65 sks tapit

KCC
MAY 26
CONFIDENTIAL

RELEASED
MAY 26 2000

FROM CONFIDENTIAL

JOB SUMMARY

TICKET # **234066** ORDER NO. 70006
 TICKET DATE **4-2-98**

REGION North America	NWA/COUNTRY MidCont U.S.A.	BDA / STATE Ks.	COUNTY Seward
MBU ID / EMP # L1010 H3115	EMPLOYEE NAME Nick Korbe	PSL DEPARTMENT 5001	
LOCATION Liberal	COMPANY Aradarko Petroleum Corp	CUSTOMER REP / PHONE Dan Eisenhauer	
TICKET AMOUNT	WELL TYPE 01	API / UWI # 15-17521717-0000	
WELL LOCATION 1 1/2 W 1 1/2 N Liberal	DEPARTMENT 5001	JOB PURPOSE CODE 035	
LEASE / WELL # Hatcher B-3	SEC / TWP / RNG 35-348-34W		

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
N. Korbe H3115			
S. Raines			
R. Ferguson JS602			

ORIGINAL CONFIDENTIAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420045	10						
52947/75374	10						
52823/75505	10						

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
	4-2-98	4-2-98	4-3-98	4-3-98
TIME	1730	2000	0245	0330

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar insert	1	
Float Shoe fit/lup	1	
Guide Shoe reg	1	
Centralizers	12	
Bottom Plug		
Top Plug 5-W	1	
Head		
Packer		
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	15.5	5 1/2	0	6746	2500 ps
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

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		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
4-2-98	3 hrs	4-2-98	1 hrs	035
4-3-98	3 1/2 hrs			
TOTAL	6 1/2 hrs	TOTAL	1 hr	KCC

HYDRAULIC HORSEPOWER

ORDERED Avail. Used

TREATED AVERAGE RATES IN BPM Disp. Overall

FEET **17.65'** CEMENT LEFT IN PIPE Reason **shjt.**

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
scavenger	25	50/100 per	B	10% Salt, .75% Halad-322, 1/4" Floccle		10.2
	140	50/100 per	B	10% Salt, .75% Halad-322, 1/4" Floccle		14.4
RTM	25	Pre-m	B	RELEASED		15.6

MAY 26 2000

Circulating	Displacement	Preflush:	Gal - BBI	Type
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp: BBI Gal 160
Shut In: Instant	5 Min	Cement Slurr	Gal - BBI	
	15 Min	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
Dan Eisenhauer

JOB LOG

ORDER NO. 70006

TICKET # **234066** TICKET DATE **4-2-98**

REGION North America	NWA/COUNTRY MidCont USA	BDA / STATE Ks	COUNTY Seward
MBU ID / EMP # L1010 H3115	EMPLOYEE NAME Nick Korbe	PSL DEPARTMENT 5001	
LOCATION Liberal	COMPANY Anadarko Petroleum Corp	CUSTOMER REP / PHONE Dan Eisbauer	
TICKET AMOUNT \$19615.00	WELL TYPE D.I.	API / UWI # 15-175217170000	
WELL LOCATION 1 1/2 W 1/2 N of Liberal	DEPARTMENT 5001	JOB PURPOSE CODE # 035	
LEASE / WELL # Hatcher B-38	SEC / TWP / RNG 35-345-34W		

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
N. Korbe H3115			
S. Raines			
R. Ferguson 55602			

CONFIDENTIAL ORIGINAL

CHART NO	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1730							called out
	2000							on loc held safety mtg set up trks
	2230							rig pulling D.P.
	2230							start F.E.
	0145							Drop Ball
	0200							Break circ
	0244	5	0			200		start spacer #1
	0246	5	8/0			200		" " #2
	0248	5	10/0			200		" " #3
	0250	6	8/0			250		" scavenger cont 25 sks 10 gal
	0253	6	12/0			200		" cont 140 sks 14.4 gal
	0259		32			100		end cont
	0300							release plug
	0301	6	0			50		start disp
	0331	2	160			550		Bump plug
	0332					2500		press csg
	0533							release pres float hold

KCC
MAY 26
CONFIDENTIAL

rack up Trk
wash up Trk
Job complete
Thank you
Nick, Sterling, Rascoe

RELEASED

MAY 26 2000

FROM CONFIDENTIAL



JOB LOG 4239-5

TICKET #	234059	TICKET DATE	3-18-98
REGION	North America	NW/COUNTRY	MidCoast U.S.A.
MBU ID / EMP #	L.0110 H.3115	EMPLOYEE NAME	Nick Korbe
LOCATION	Liberal	COMPANY	Anodarko Pet. Corp.
TICKET AMOUNT		WELL TYPE	01
WELL LOCATION	1 1/2 W 1 1/2 Liberal	DEPARTMENT	5001
LEASE / WELL #	Hatcher B-3	SEC / TWP / RNG	35-345-34W
BDA / STATE	Ks	PSL DEPARTMENT	5001
COUNTY	Seward	CUSTOMER REP / PHONE	Jim Marlow
		API / UWI #	15-175-21917
		JOB PURPOSE CODE	010

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. Korbe H.3115			
D. McClane G.3609			
D. Fulk			
S. Teletford H.4817			

ORIGINAL CONFIDENTIAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0500							called out
	0630							on loc. Held safety mtg set Trks up
								rig pulling D.C.
	0780							start F.E.
	0830							Drop Ball
	0840							Break circ
	0857	6	0			100		Start L. cmt 330 sks 11.1 gal
	0928	6.5	189/0			100		Start T. cmt 100 sks 14.8 gal
	0932		23.5			100		end cmt
	0933							release plug
	0934	6	0			0		start disp
	0954	2.5	102			30/100		Bump plug
	0955							release pres FIT held
								rack up Trk wash up Trk
								Job Complete Thank you
								Nick, Danny, Stan, Dusty

circ 65 sks topit

KCC
MAY 26
CONFIDENTIAL

RELEASED
MAY 26 2000
FROM CONFIDENTIAL