

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

RECEIVED

JUL 17 1998

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPLF

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING

License: 3779

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  PBD  
 Commingled  Docket No. PENDING  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

3-31-98 4-11-98 5-20-98  
Spud Date Date Reached TD Completion Date

County STEVENS  
- 140 N - OF - C. Sec. 36 Twp. 34 Rge. 37 X E  
2500 Feet from N X (circle one) Line of Section  
2640 Feet from E X (circle one) Line of Section

CONFIDENTIAL

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

Lease Name HJV BLACKMER "B" **RELEASED 1**

Field Name HANKE

Producing Formation MORROW/CHESTER

Elevation: Ground 3095.9 **FROM CONFIDENTIAL**

Total Depth 6875 PBD 6511

Amount of Surface Pipe Set and Cemented at 3244 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 3244 Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan A17.1, 7-24-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 700 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

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

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

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

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

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

L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 7-16-98

Subscribed and sworn to before me this 16th day of July 19 98.

Notary Public Freda L. Winn

Date Commission Expires \_\_\_\_\_

FREDA L. WINN  
Notary Public - State of Kansas  
My Appt. Expires 5-15-99

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 HJV BLACKMER "B" Well # 1

Sec. 36 Twp. 34 Rge. 37  East County STEVENS  
 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: SBT-CCL-GR, DIL, MSFL, ML, CNL-LDT, LS SONIC.

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
HEEBNER	4260	
TORONTO	4282	
LANSING	4397	
MARMATON	5126	
CHEROKEE	5502	
MORROW	5936	
CHESTER	6370	
STE. GENEVIEVE	6614	
ST. LOUIS	6688	
SPERGEN	6860	

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	1711	P+ MIDCON 2/ P+	335/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6554	50/50 POZ/ 50/50 POZ.	25/170	.75% HALAD 322, 10% SALT, 1/4#SK FLC/ SAME.
			F.O. TOOL @	3244	P+ MIDCON 2	60	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 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	
	3	6379-6399.	ACID: 2000 GAL 15% FEHCL.	6379-6399
3	6328-6347.	ACID: 1000 GAL 7% FEHCL.	6328-6347	
		FRAC: 43000 GAL FOAMED GEL & 112,800#	6328-6347	
		20/40 SD.		
TUBING RECORD	Size 2 3/8"	Set At 6303	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 6-30-98		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 Bbls.	Gas 258 Mcf	Water 5 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

Production Interval: 6328-6399 (OA)





**HALLIBURTON**  
**ORIGINAL**  
**JOB LOG**  
 ORDER NO. 70006

TICKET #	382776	TICKET DATE	4-1-98
REGION	North America	BDA / STATE	KG
NWA/COUNTRY	INDIA CONTINENT	COUNTY	STEVENSON
MBU ID / EMP #	LI 104 (2573)	PSL DEPARTMENT	CEMENT RELEASED
LOCATION	LIBERAL KG	CUSTOMER REP / PHONE	G. J. STARK (419) 271-9999
TICKET AMOUNT		API / UWI #	
WELL LOCATION	W. LIBERAL	DEPARTMENT	CEMENT
LEASE / WELL #	HAV-BLAGNER B-1	SEC / TWP / RNG	30-34S-37W
		WELL TYPE	02
		DEPARTMENT	CEMENT
		JOB PURPOSE CODE	010 - 85% FROM 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
5. GRANT HV637	REKAWO		
5. TELFORD HV817			
F. FIGLIANO J5672			
		JUL 17 1998	
			KCC

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T.	C.	Tbg	Csg	
	2300							JOB READY
	1900							CONFIDENTIAL
	2115							CALLER OUT FOR JOB
	2145							PUMP TRUCK ON LOCATION / HAVE PRE JOB SITE ASSESSMENT MEETING / RIG HAS HOLE MADE ON BOTTOM GRADING / SET UP PUMP TRUCK
	2235							TRIP OUT DRILL PIPE
	23:30							BULK CEMENT ON LOCATION
	23:40							EMERSON RECEIVED LIBRARIES
	00:45							START RUNNING 879 CSG + FLT EQUIPMENT
	00:52							CSG ON BOTTOM
	01:05							CIRCULATE W/ RIG
	01:10		203.59					HOOK TO HALLIBURTON
	01:40		23.8					150 START LEAD CUT @ 11.1 G/GAL
	1:47							12 START JAIL CUT @ 14.8 G/GAL
	1:48							VAC SHUT POUND
	1:49		106.9					VAC DROP 5 WIPER TOP PLUG
	2:05							VAC START H2O DISP ALASH PUMPS & LEAKS
	2:10							308 STOP PUMP
	2:10							345 Plug POUND 2
	2:10							800 Release BORN Float HOLDING
	2:10							0 Job Complete

40 BBLs Cut to PT ✓  
 69.7 G/Gs Cut to PT

THANK YOU FOR CALLING  
 HALLIBURTON  
 ROBERT E. COEN





# ORIGINAL

## JOB LOG #4239-5

TICKET #	233944	TICKET DATE	4-
REGION	North America	NW/COUNTRY	Med. Continent
BDA / STATE	KS	COUNTY	Nowata
MBU ID / EMP #	63601	EMPLOYEE NAME	D. McKane
LOCATION	1. local	COMPANY	Amadanta Petroleum
TICKET AMOUNT	11215.51	WELL TYPE	(O)
WELL LOCATION	Land	DEPARTMENT	Zonal Isolation
LEASE / WELL #	HTV Blackmer B-1	SEC / TWP / RNG	36-34S-37W
PSL DEPARTMENT	Zonal Isolation	CUSTOMER REP / PHONE	
JOB PURPOSE CODE	035		

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
B. Tomlinson 51837			
S. Johnson 14917			

JUL 16 1998  
 CONFIDENTIAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1800							Job Ready
	1845							Called for Job
	1845							on Location Rig still Laying Down O.P
	1900							Set up pump truck
	1903							O.P. Out of hole & Lay Down Gilly & raise hole
	1939							Rig up Csg Crew
	2252							Start Running 5 1/2 Csg & float Equip.
	2257							Csg on Bottom
	2302							Hook up PIC & Circulating Iron
	2307	2	5	✓		0		Start Circulating <span style="float: right;">RELEASED</span>
	2330							Plug Rat & Mouse hole
								Then Circulating <span style="float: right;">JUN 27 1999</span>
								Hook up to Halliburton
								Job Produce 5 1/2 Long string <span style="float: right;">FROM CONFIDENTIAL</span>
	2335	6	8	✓		0/350		Start Fresh water
	2337	6	10	✓		350		Start Super Flush
	2339	6	8	✓		350		Start Fresh water
	2341	6	10	✓		150/400		Start Scavenger Cement @ 10 <sup>th</sup> /Gal
	2344	6	40	✓		200		Start Cement @ 14.2 <sup>th</sup> /Gal
	2350							Then mixing Cement
	2351							Shut Down / Release, Plug
	2352							Wash up pumps & lines
	2356	6	155	✓		0/50		Start Displacement
	0016			✓		100/400		Displacement Caught Cement
	0021	3		✓		500/400		Slow Down Rate
	0030			✓		200/400		Plug Landed
	0031			✓		3000		Pressure up Csg
	0037							Release float
	0033							float Lnd

Thank you for calling Halliburton

Danny & Brian & Crew



JOB SUMMARY

ORIGINAL

TICKET #	234075	TICKET DATE	4-23-98
REGION	North America	BDA / STATE	Ks
NWA/COUNTRY	MidCont U.S.A.	COUNTY	Stevens
MBU ID / EMP #	1:0110 H3115	PSL DEPARTMENT	5001
LOCATION	Liberal	CUSTOMER REP / PHONE	Jack Tuma
TICKET AMOUNT		API / UWI #	RELEASED
WELL LOCATION	20 W of Liberal	JOB PURPOSE CODE	205
LEASE / WELL #	HJV Blackmer B-1	SEC / TWP / RNG	36-34-37W KCC

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. Kerbe H3115	S. Raikes H3377	S. Grant H4637	R. Ferguson

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
4200045	42						
52947/75486	42						
4607	42						
52923/75827	42						

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

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DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME
4-23-98	0900	4-23-98	1100	4-23-98	1730	4-23-98	1830

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

**WELL DATA**

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	15.5	5 1/2	0	655'
Liner					
Liner					
Tbg/D.P.	U	4.6	2 3/8	0	3248' 1000 PSI
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		

<b>HOURS ON LOCATION</b>	<b>OPERATING HOURS</b>	<b>DESCRIPTION OF JOB</b>
DATE	DATE	
4-23-98	4-23-98	205
7 hrs	1 hrs	
TOTAL	TOTAL	
7 hrs	1 hr	

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	60	Milcon P.P.	B	2% L.C., 4# Floccle	3.72	11.1

Circulating	Displacement	Preflush:	Gal - BBI	Type
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp: BBI Gal
Shut In: Instant	5 Min	Cement Slurr	Gal - BBI	12.5 bbl
	15 Min	Total Volume	Gal - BBI	

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE: *J. Tuma*



# JOB LOG ORIGINAL

TICKET # 234075  
TICKET DATE 4-23-98  
ORDER NO. 70006

REGION North America	NWA/COUNTRY MidCast USA	BDA / STATE Ks	COUNTY Stevens
MBU ID / EMP # L0110 H3115	EMPLOYEE NAME Nick Karbe	PSL DEPARTMENT 5001	
LOCATION Liberal	COMPANY Asadarko Pet Corp	CUSTOMER REP / PHONE Jack Tunis	
TICKET AMOUNT	WELL TYPE O 2	API / UWI #	
WELL LOCATION 20W of Liberal	DEPARTMENT 5001	JOB PURPOSE CODE 205	
LEASE / WELL # H/V Blackmer	SEC / TWP / RNG 36-345-37W		

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. Karbe	H3115						
S. Rascoe	H3377						
S. Grant	H4639						
R. Ferguson							

JUL 16 1998  
 CONFIDENTIAL  
 RELEASED

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS: (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0900							Called out on loc
	1100							held safety mtg setup trks
								rig putting on head
								2 1/4" w/ Tbg + FO opening tool
	1615					1000		try to open FO tool
	1727	2	10			200		circ around opening tool
	1734							open tool
	1735	2	0			400		pump to break c/c
	1739	2	8			300		circ established
	1747		20/0			200		start cont
	1755		34.5			200		end cont
	1755		0					start Disp
	1802		18.5			300		cont disp
	1804							close Port collar
	1806					1000		pres well
								run 3 jts
	1821							rev out
								rack up Trk
								wash up Trk
								Job complete
								Thank you
								Nick, Sterling, Sam, Rascoe

CONFIDENTIAL

RECEIVED

STATE COMMISSION

JUL 17 1998