

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

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. KAPPLI

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

5-14-97 5-26-97 6-21-97
Spud Date Date Reached TD Completion Date

API NO. 15- 189-22167-00-00

County STEVENS

NE - NE - SW - NE Sec. 31 Twp. 33 Rge. 38 E W

1600 Feet from (circle one) Line of Section

1400 Feet from (circle one) Line of Section

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

Lease Name DOWDY "A" Well # 2

Field Name GENTZLER SW

Producing Formation MORROW

Elevation: Ground 3220.9 KB _____

Total Depth 6350 PBTB 6050

Amount of Surface Pipe Set and Cemented at 1764 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3118 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AH.1, 3-16-98 U.C.
(Data must be collected from the Reserve Plat)

Chloride content 700 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite:

Operator Name 9-10-1997

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 9-9-97

Subscribed and sworn to before me this 9th day of September 19 97.

Notary Public Freda L. Hinz

Date Commission Expires _____

FREDAL HINZ
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 DOWDY "A" Well # 2

Sec. 31 Twp. 33 Rge. 38 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHASE	2532	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	COUNCIL GROVE	2864	
List All E.Logs Run: SBT-CCL-GR, DIL, ML, CNL-LDT, SONIC.		ADMIRE	3112	
		WABAUNSEE	3308	
		TOPEKA	3574	
		HEEBNER	4108	
		TORONTO	4120	
		LANSING	4236	
		MARMATON	4938	
		CHEROKEE	5194	
		ATOKA	5522	
		MORROW	5746	
		CHESTER	6262	

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
CONDUCTOR	17-1/4"	13-3/8"	48.0	455	P+ MIDCON/P+	310/100	3%CC, 1/4#FLC/3%CC.
SURFACE	12-1/4"	8-5/8"	23.0	1764	P+ MIDCON/P+	475/200	3%CC, 1/4#FLC/SAME.
PRODUCTION	7-7/8"	5-1/2"	15.5	6310	VERSASET	30/130	.6% HALAD 322, 5% KCL, .9% VERSASET, 1/4#SK FLC/SAME
			D.V. TOOL @	2493	P+ MIDCON 2	60	NONE.

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	430-571	P+ MIDCON/P+	135/25	3%CC/NONE.
<input type="checkbox"/> Plug Back TD				
<input checked="" type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
2	6210-6216, CIBP @ 6050		ACID: 450 GAL 7 1/2% FeHCL.	6210-6216
4	5952-5963		ACID: 550 GAL 7 1/2% FeHCL.	5952-5963
4	5952-5972		NONE.	

TUBING RECORD	Size 2 3/8	Set At 5968	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. 7-21-97	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf 263	Water 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

Production Interval: 5952-5972

Other (Specify) _____

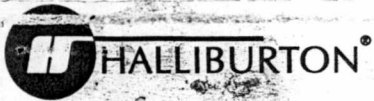
TICKET #	1739447	TICKET DATE	5-15-97
REGION	North America	BDA / STATE	Ka
NWA/COUNTRY		COUNTY	Jewell
MBU ID / EMP #	L10182	PSL DEPARTMENT	
EMPLOYEE NAME	James Lewis	CUSTOMER REP / PHONE	
LOCATION	2547 Leach Co	COMPANY	Advanced Trench Corp
TICKET AMOUNT		WELL TYPE	
WELL LOCATION	510 of Leach Co	DEPARTMENT	
LEASE / WELL	A-2 Leach	SEC / TWP / RNG	31/35N/38W
API / UWI #		JOB PURPOSE CODE	1374 & 1"

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
James Lewis		James Lewis					
C. Gray		C. Ashley					

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1716							Time Collected From Above EOE Elongated OK
	1900							Time Ready
	1945							Time on hole Rig Condition Hole
	0130							Start Pumping Cement
	0355							Hookup to Lost Joint + Cure Down Start Pump with Not Cure Down ABOUT 66 FT ABOVE PL
	0455							Hookup to Pump Truck
	0500							Start Mixing Cement
	0520		91.75					Start Top Cement
	0525		35.26					Finish Mixing Cement
			127.01					
	0526							Start Displacement Did NOT Deep Plug Pump Floated Disp
	0545		77.23					250' Shut Down Float did not hold No Cement to PIT Circulate Fluid Tried out job
	0600							Order Cement
	0745							Cement on hole Wait on job
	0900							Run 1" in hole 144 ft
	0920							Hookup string to the ahead 1" Plug with sand
	0930							Run 1" out Reference joint
	0940							Run 1" in another spot + Run 50 FT in Tbg?
	0955							Hookup to 1"
	1004		3					Start water ahead.
	1006							Start Cement Circulate Fluid
	1016							Finish Mixing Cement
	1018		18.8					Circulate Cement in the Cellar.
	1018							Shut Down
	1020							Mix 100 st Premium 2%CL
	1030							Run 1" out of hole.
								Finish job

Thanks For Making Cement jobs with us.
Dennis + Crew



JOB LOG 4239-5

TICKET # 184507 TICKET DATE 5-27-97

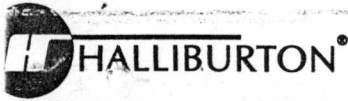
REGION North America	NWA/COUNTRY	BDA / STATE <u>K</u>	COUNTY <u>Stevens</u>
MBU ID / EMP # <u>L1012</u>	EMPLOYEE NAME <u>1919 Daney/Conn</u>	PSL DEPARTMENT <u>Oil Control</u>	
LOCATION <u>Lionel K</u>	COMPANY <u>Anderson Petro-Comp</u>	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE	API / UWI #	ORIGINAL
WELL LOCATION <u>Sof Fatsy To Co</u>	DEPARTMENT	JOB PURPOSE CODE <u>PH Service</u>	
LEASE / WELL # <u>A-2 Daney</u>	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
<u>K Coen 59179</u>	<u>R Goodin J0100</u>		
<u>C. Kay 09259</u>			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	<u>0800</u>							<u>Time Collected</u>
	<u>0900</u>							<u>Time Ready</u>
	<u>1030</u>							<u>Time on Job</u>
								<u>Ran Row EZSV in Hole Below Perfs</u>
								<u>Perf Hole</u>
								<u>Ran Top EZSV To Squeeze w/</u>
	<u>1440</u>							<u>Hookup to DP</u>
	<u>1445</u>							<u>Set EZSV</u>
	<u>1510</u>							<u>Process pump into No Circ</u>
								<u>Get into and Start More Perfs</u>
	<u>1800</u>							<u>Hookup to DP & Break Circ.</u>
	<u>1818</u>							<u>Start Mix Cement 135^{sc} Mid Con 3% CL</u>
	<u>1833</u>							<u>Finish Mix 25^{sc} Premium</u>
	<u>1834</u>							<u>Start Displacement</u>
	<u>1837</u>							<u>Start Down String EZSV/Break Loss From DP</u>
	<u>1838</u>							<u>Run DP out of Hole</u>
	<u>1840</u>							<u>Washup Truck</u>
	<u>1845</u>							<u>Fix Line Job</u>

Thanks For Calling

 HALLIBURTON
 Energy



JOB SUMMARY 4239-1

TICKET # **184501** TICKET DATE **5-17-97**

REGION North America	NWA/COUNTRY	BDA / STATE Ks	COUNTY Stevens
BU ID / EMP # L10102	EMPLOYEE NAME 59179 Dennis Curie	PSL DEPARTMENT	
LOCATION 25540 Libersh Ks	COMPANY Anadarko Petro Corp	CUSTOMER REP / PHONE	ORIGINAL
WELL TYPE 01	WELL TYPE	API / UWI #	
WELL LOCATION 5 of Feterita	DEPARTMENT 5001 Cement	JOB PURPOSE CODE 8 3/4 SURFACE	
WELL # A2 Dowdy	SEC / TWP / RNG 31 / 33 S / 38 W		

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
Curie 59179	G Humphreys 119692		
Lay 092591	J Frost		

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
720041	84		10				
8552	78202	78202	84	78202	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
	5-17	5-17	5-18	5-18
TIME	1900	2045	0325	1100

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Eloat Collar 23" Floor	1	23" Haver
Float Shoe Filling	1	
Guide Shoe 100g	4	
Centralizers		
Bottom Plug		
Top Plug	1	
Head	1	
Packer Basket	1/25	
Other Haver	1/25	

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing		23	8 3/4	KB	1762	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			12 1/4	5	1766	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
WE 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	
				8 3/4 SURFACE
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____
 TREATED _____
FEET **35**

AVERAGE RATES IN BPM

Disp. _____ Overall _____
CEMENT LEFT IN PIPE _____
 Reason **Shoe chint**

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
7 1/2"	375	Prem Plus	Millcon	3 1/2% 1/4" Floccle	3.22	11.1
7 1/8"	100	Prem Plus		2 1/2% 1/4" Floccle	1.32	14.8
1"	100	Prem		2 1/2%	1.06	16.4
	100	Prem		2 1/2%	1.06	16.4

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal **110.96**
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI **238.55 / 18.8 / 18.8 /**
 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 **[Signature]**

TICKET #	194501	TICKET DATE	5-17-97
BDA / STATE	K	COUNTY	Stevens
PSL DEPARTMENT			
CUSTOMER REP / PHONE	ORIGINAL		
API / UWI #			
JOB PURPOSE CODE	8 1/2 SURFACE		

REGION	North America	NWA/COUNTRY	
UNIT / EMP #	L10102	EMPLOYEE NAME	Dennis Coar
LOCATION	2310 Lusk K	COMPANY	Humboldt Petro Corp
WELL TYPE		DEPARTMENT	
WELL LOCATION	S OF FORTIX	DEPARTMENT	201 Cement
WELL #	A2-Dowd	SEC / TWP / RNG	31 / 33 / 38

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
Coar	0909	G Humphries	49692				
	0925						

PART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1900							Time Cable
	1900							Time Ready
	2045							Time out
	0225							Start Pump Casing
	0225							Casing in Hole
	0225							Hook Up To Casing
	0233							Casing on wellhead
	0235							Casing Mid to Ground Level
	0248							Hook Up To Pump Truck
	0253	6				200		Start Mixing Cement
	0325		215.03			250		Start Tail Cement
	0331		23.50			250		Finish Mixing Cement
	0332		238.55			0		Shut Down Pump Truck
	0335	5				15		Start Displacement
	0405	2.8	110.96			78		Slow Rate Down Wash Pump's & Lines
						1600		Plug Down
								Float Held. Last Circulate of Mud when Start Disp. 10 ³⁰
	0430							Cement on hole
	0730							unit on wellhead to get a top of Sellen
	0800							Run 1" intubler 80' 1" Tag Basket
	0830		18.8					Start Cement
	0845							Finish Cement Fluid Level Deep Did Not Circ Cement
	0900							Run 1" out of hole unit on wellhead to cut off 8 1/2
	1015							Hook Up Pump Truck
	1023							Start Mix Cement
	1040		16.2					PT Holes w/ casing on the Back Side
	1045							Finish Mixing Cement 855' 15' mix in track Pump to PIT
								Circulate Cement to PIT
								Washup Pump Truck to PIT
								Finished job.

Thanks For Calling Halliburton Energy
 Dennis Coar & Crew

