

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. KAPPL

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

5-31-97 6-9-97 7-9-97
Spud Date Date Reached TD Completion Date

API NO. 15- 189-22186 100-00

County STEVENS

NE - NE Sec. 24 Twp. 33 Rge 39 W E

660 Feet from X (circle one) Line of Section

660 Feet from X (circle one) Line of Section

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

Lease Name GREGORY "D" Well # 2

Field Name GENTZLER SW

Producing Formation MORROW

Elevation: Ground 3200.0 KB _____

Total Depth 6605 PBTD 6229

Amount of Surface Pipe Set and Cemented at 1685 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3004 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan A14.1 1-15-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 800 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: _____

Operator Name 9-26-97

Lease Name _____ License No. 0

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 9-24-97

Subscribed and sworn to before me this 24th day of September 19 97.

Notary Public Freda L. Hinz

Date Commission Expires _____

FREDA L. HINZ
Notary Public - State of Kansas
My Appt. Expires 5-15-97

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)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name GREGORY "D" Well # 2

Sec. 24 Twp. 33 Rge. 39 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, ML, CNL-LDT, SONIC.

<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample		
Name	Top	Datum
B/STONE CORRAL	1704	
CHASE	2472	
COUNCIL GROVE	2802	
WABAUNSEE	3248	
TOPEKA	3510	
HEEBNER	4056	
LANSING	4172	
MARMATON	4884	
CHEROKEE	5115	
MORROW	5689	
CHESTER	6180	
STE. GENEVIEVE	6312	
ST. LOUIS	6442	

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	1685	P+ MIDCON 2/ P+	335/100	3%CC, 1/2%SK FLC/ 2%CC, 1/2%SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6288	VERSASET	145	.6% HALAD 322, 5% KCL, .9% VERSASET, 1/2%SK FLC.
			F.O. TOOL @	3004	P+ MIDCON 2	60	2%CC, 1/2%SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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	6102-6128.		ACID: 1350 GAL 7 1/2% FeHCL.
2	6056-6072.		ACID: 800 GAL 7 1/2% FeHCL.	6056-6072

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	6102		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 7-10-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	1309	7		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval 6056-6128 (OA)



ORIGINAL

JOB SUMMARY 4239-1

TICKET # 183947 TICKET DATE 6-1-97

REGION North America NWA/COUNTRY USA BDA / STATE KS COUNTY SKRUBEN
MBU ID / EMP # L10103 F4550 EMPLOYEE NAME TYCE DAVID PSL DEPARTMENT CMT
LOCATION Liberty COMPANY AMARCO CUSTOMER REP / PHONE
TICKET AMOUNT WELL TYPE OZ API / UWI #
WELL LOCATION LAND DEPARTMENT CMT JOB PURPOSE CODE 010
LEASE / WELL # Gregory 0-2 SEC / TWP / RNG 24-33-39

Table with 4 columns: HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS. Rows include S. TAPP, E0568; L. PARKER, H8760; B. PARKER, J0568.

Table with 8 columns: HES UNIT NUMBERS | R/T MILES. Rows include 420042 8-0, 53823 75374, 4115 75237, 4461-75817.

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

Table with 5 columns: DATE, CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Rows show dates 5-31-97, 6-1-97 and times 2300, 0415, 1125, 1225.

TOOLS AND ACCESSORIES. Table with 3 columns: TYPE AND SIZE, QTY, MAKE. Rows include Float Collar, Float Shoe, Guide Shoe, Centralizers, Bottom Plug, Top Plug, Head, Packer, Other BASKET.

WELL DATA. Table with 6 columns: NEW/USED, WEIGHT, SIZE, FROM, TO, MAX ALLOW. Rows include Casing, Liner, Tbg/D.P., Open Hole, Perforations.

MATERIALS. Table with 3 columns: Name, Density, Lb/Gal. Rows include Treat Fluid, Disp. Fluid, Prop. Type, Acid Type, Surfactant, NE Agent, Fluid Loss, Gelling Agent, Fric. Red., Breaker, Blocking Agent, Perfpac Balls, Other.

HOURS ON LOCATION and OPERATING HOURS. Tables with DATE and HOURS columns. Includes a DESCRIPTION OF JOB section with handwritten notes.

HYDRAULIC HORSEPOWER, AVERAGE RATES IN BPM, CEMENT LEFT IN PIPE. Includes fields for ORDERED, TREATED, FEET, Avail., Used, Disp., Overall, Reason.

CEMENT DATA. Table with 5 columns: STAGE, SACKS, CEMENT, BULK/SKS, ADDITIVES, YIELD, LBS/GAL. Rows show cement stages with sack counts and yields.

Circulating Displacement, Breakdown Maximum, Average Frac Gradient, Shut In: Instant 5 Min 15 Min. Includes fields for Preflush, Load & Bkdn, Treatment, Cement Slurr, Total Volume, Type, Pad, Disp.



JOB LOG 4239-5

ORIGINAL

TICKET # 153747 TICKET DATE 8-1-97

REGION North America	NWA/COUNTRY USA	BDA/STATE LA	COUNTY CALCASIEU
MBU ID / EMP # L 1110 F4550	EMPLOYEE NAME T. J. ...	PSL DEPARTMENT C 1115	
LOCATION Liberton	COMPANY Halliburton	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE	API / UWI #	
WELL LOCATION L 1110	DEPARTMENT C 1115	JOB PURPOSE CODE 010	
LEASE / WELL # C 1115 11-2	SEC / TWP / RNG 24 33-39		

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
... EC 308			
... 115700			
...			

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
5-31-97	2300							Called out for job.
5-1-97	0415							on loc. rig drill.
	0730							Start Sp. D.P.
	0820							Out of hole with rig up coils.
	0930							Start 8 7/8 C.S. & F.E.
	1108							C.S. off both hook up 8 7/8 P.C. & circ. iron.
	1112							brk circ. with
	1113							circ. to pit
	1120							Thru. circ. hook iron to pit.
	1125	7.0	203.5			200		PUMP 355K 8+me 9+ 11.1
	1152	6.5	23.5			170		PUMP 100K PL 9+ 14.8 11.1
	1157		23.5					Shut down drop fluid.
	1158	6.0	106.3			100		PUMP Visor
	1211	6.0	106.3			270		270 270 lbs in cement to pit
	1215	2.0	106.3			350		95 lbs in 310 rate.
	1220	2.0	106.3			400		land fluid.
	1221	0	106.3			500		stop pump fluid - hold.
	1225							Job over
								Thank for calling.
								Type John & crew

TICKET #	184521	TICKET DATE	6-24-97
REGION	North America	BDA / STATE	Ks
NWA/COUNTRY		COUNTY	Stevens
MBU ID / EMP #	L10102	EMPLOYEE NAME	Dennis Lane
LOCATION	Well 25540	PSL DEPARTMENT	001
TICKET AMOUNT		CUSTOMER REP / PHONE	
WELL LOCATION	17 of F. Talita	API / UWI #	
LEASE / WELL #	D-2 Geopon	DEPARTMENT	3001
		SEC / TWP / RNG	24 / 33 / 39
		WELL TYPE	
		JOB PURPOSE CODE	Perforation & Production

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
Dennis Lane 09179			
	09259		

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0730							Time Collected
	0830							Time Ready
	0715							Time out of
	0800							Setup Pump Truck
								Hookup To Tub.
	0843		3			1500		Press Test Tub + Perforation
	0847							Open Tool
	0847	2				150		Start Pumping Set Truck Show Gate
	0854		16					Break Cite 75 MP
	0856		4					Finish Per. Fluid 20% TOTAL
	0857							Start Cement
	0910		34					Start Disp Tub
	0917		11.0					Shut Down / Close Top
	0915							Break Loss Pig Run 2 columns
	0930		15					Reverse out
	0931							Shut Down Break Loss Pig Run Tub in Hole
	1110							Hookup To Tub
	1105	1	6					Start Acid 2.50% WCL 7% 9
	1121							Start Flush
	1152		2					Shut Down
	1153							Break Loss To Reverse out
	1155		1.5					Start Pumping
	1230							Shut Down Break Loss From Tub + 1/2
								Finish w/ job

Thank You Calling Halliburton Energy
 Dennis Lane
 Crew