

FORM MUST BE TYPED

SIDE ONE

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: NA - SWD WELL

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: NA

License: NA

Wellsite Geologist: NA

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: ANADARKO PETROLEUM CORPORATION

Well Name: LOW "G" NO. 1

Comp. Date 2/18/75 Old Total Depth 5450'

CEMENT SQUEEZE  
 Deepening  Re-perf.  Conv. to Inj.  SWD  
 Plug Back 5225' PBTB  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) Docket No. D-18,269

12/12/95 NA 2/01/96  
Spud Date OF START Date Reached TD Completion Date OF  
OF WORKOVER WORKOVER

API NO. 15- 129-20,179-0001

County SEWARD

- C - SE - NW Sec. 6 Twp. 33S Rge. 40 E  
X W

3300 Feet from  N (circle one) Line of Section

3300 Feet from  E (circle one) Line of Section

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

Lease Name LOW "G" Well # 1 (SWD)

Field Name SANTA FE TRAIL

DISPOSAL  
Producing Formation NA - SWD WELL-DISP IN TOPEKA & LANSING

Elevation: Ground 3382' KB --

Total Depth 5450' PBTB 5225'

Amount of Surface Pipe Set and Cemented at 1587 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 REWORK JFH 4-4-96  
(Data must be collected from the Reserve Pit)  
NOT APPLICABLE

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite:

KANSAS CORPORATION COMMISSION

Operator Name 2-116-96

Lease Name FFB 16 1996 License No. \_\_\_\_\_

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

County WICHITA, KS Docket No. \_\_\_\_\_  
CONSERVATION DIVISION

**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 Craig A. Johnson  
CRAIG A. JOHNSON

Title SENIOR PRODUCTION ENGINEER Date 2/14/96

Subscribed and sworn to before me this 14<sup>th</sup> day of February 19 96.

Notary Public Freda L. Hinz

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

FREDA L. 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  VCM SWD/Rep \_\_\_\_\_ NGPA  
 KGS  Plug \_\_\_\_\_ Other  
(Specify)

**SIDE TWO**

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name LQW "G" Well # 1 (SWD)  
 Sec. 6 Twp. 33S Rge. 40  East County MORTON  
 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) List All E.Logs Run: GR/CBL/CCL RAN 1/29/96	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample Name Top Datum (SEE ORIGINAL KS DRILLERS LOG - ATTACHED)
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used <span style="float:right">** ORIGINAL COMPLETION</span>							
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"	24.0	1587'	POZMIX/COMMON	600/200	4%GEL2%CC/2%CC
** PRODUCTION	7-7/8 "	4-1/2"	10.5	5449'	50/50 POZ	125	18%SALT, .5%CFR-2

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input checked="" type="checkbox"/> Perforate	2664	3312	PREM PLUS CLASS C	150	.75% HALAD-322
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone	3798	4242	MIDCON/PREM PLUS	250/150	2% CC + 1/4#/SK FLOC / .75% HALAD-322

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	
		SET CMT. RTNR. @ 5225' (NEW P8TD)		
4	PERFORATE 3308-3309, 3820-3821 (SQUEEZE HOLES)		PERFORM CMT SQUEEZE (ABOVE) 2664-3312	& 3798-4242
2	(RUN CBL) PERF 3412-20, 3450-60, 3472-3510 &		ACIDIZE W/5000 GAL 7.5% FEHCL	3412-3676 OA
2	PERF 3578-3602, 3662-76			

<b>TUBING RECORD</b>	Size 2-3/8" IPC	Set At 3362'	Packer At 3364'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, (SMD) or Inj. UPON KCC APPROVAL (EST. 3/01/96)		Producing Method <input 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 --

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

Open Hole  Perf.  Dually Comp.  Conmingled  Other (Specify) \_\_\_\_\_

Production Interval (DISPOSING INTERVAL) 3412-3676 O.A.

**KANSAS DRILLERS LOG**

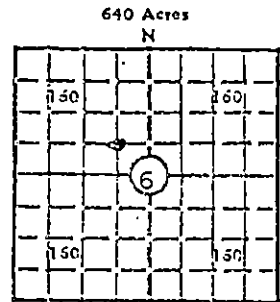
**ORIGINAL**

S. 6 T. 33S R. 40 X W

API No. 15 — 129 — 20,179  
 County Number

Loc. SE NW  
 County Morton

Operator  
**ANADARKO PRODUCTION COMPANY**  
 Address  
P. O. Box 351, Liberal, Kansas 67901  
 Well No. Lease Name  
LOW "G"  
 Footage Location  
1980 feet from (N) (S) line 1980 feet from (E) (W) line  
 Principal Contractor Geologist  
Gabbert-Jones, Inc. Bob Rosey  
 Spud Date Total Depth P.B.T.D.  
2/1/75 5450' 5405'  
 Date Completed Oil Purchaser  
8/19/76



640 Acres  
 N  
 Locate well correctly  
 Elev.: Gr. 3381.8'  
 DF \_\_\_\_\_ KB \_\_\_\_\_

**CASING RECORD**

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12-1/4"	8-5/8"	24#	1587'	Pozmix Common	600 200	4% gel, 2% cc 2% cc
Production	7-8/8"	4-1/2"	10.5#	5449'	Pozmix	125	18% salt, .5% CFR-2 1/4" Tuff Fbr

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2 SPF		5394-5400'
			2 SPF		5364-68 & 5373-76'

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
<u>15/2000 gals 15% NE + 15 ball sealers. Hole loaded 2000# acid</u>	<u>5364-68 &amp; 5373-76'</u>
<u>on perf, press 2000# incrd to 2500W w/BS.</u>	

**RECEIVED**

KANSAS CORPORATION COMMISSION

**INITIAL PRODUCTION**

**FEB 16 1976**

Date of first production Producing method (flowing, pumping, gas lift, etc.)  
 RATE OF PRODUCTION PER 24 HOURS Oil Gas Water Gas-oil ratio  
 bbls. MCF bbls. CFPD  
 Disposition of gas (vented, used on lease or sold) Producing interval(s)

CONSERVATION DIVISION

WICHITA, KANSAS

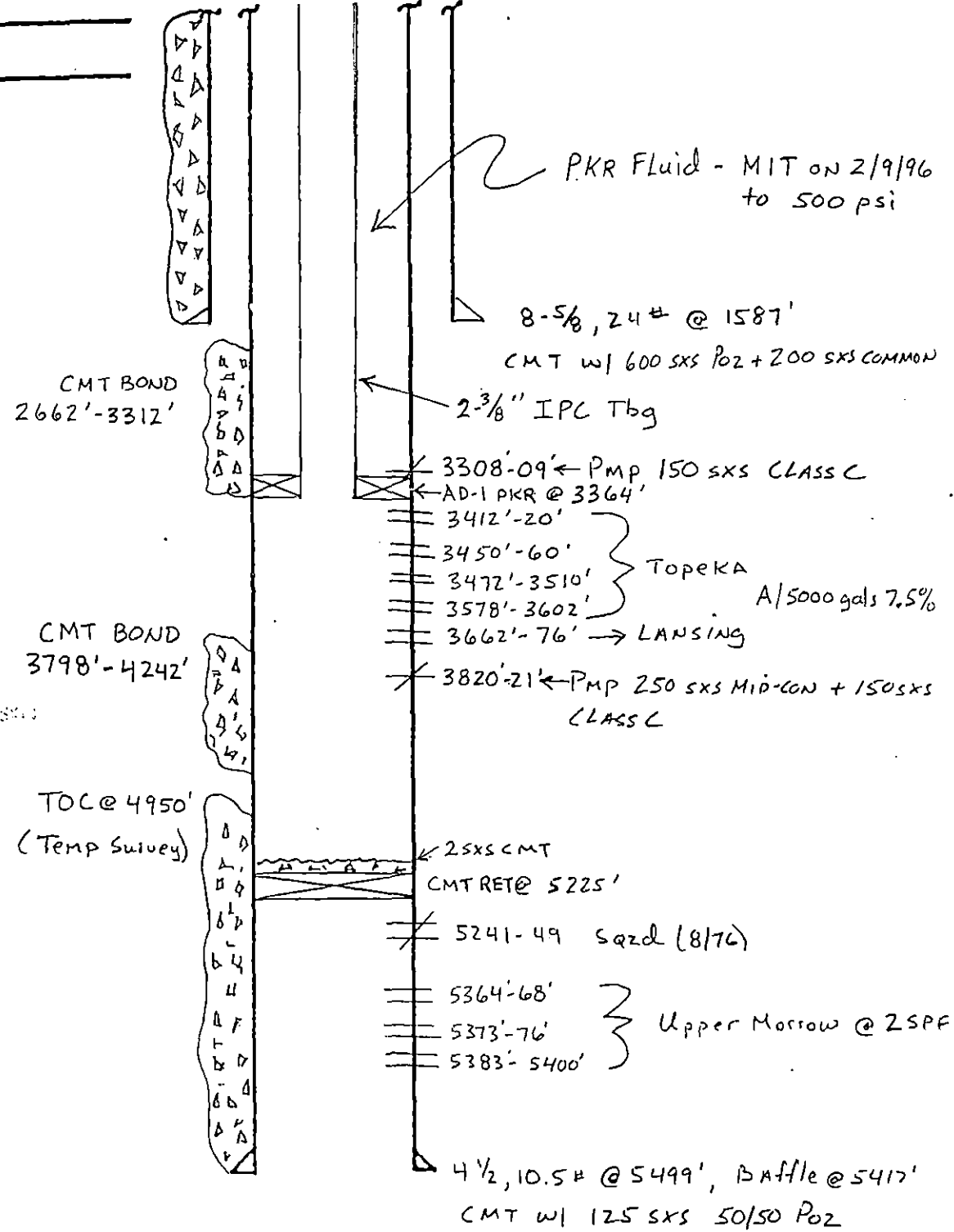
INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 315-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

ORIGINAL

Lease & Well No. Low G-1 SWD  
 Location C SE-NW/4, 6-33S-40W  
 Field SANTA FE TRAIL  
 County & State MORTON CO., KS  
 Elevation 3382 GL, 3385.5 KB

Prepared By CA9  
 Date: 2-14-96

CURRENT WBD



RECEIVED  
 ... CORPORATION ...  
 FEB 16 1996  
 CONSERVATION DIVISION  
 WICHITA, KS







JOB LOG HAL-2013-C

DATE: 1-24-96  
TICKET NO: 919886

CHART NO.	TIME	RATE	VOLUME (GAL)	PUMPS	PRESSURE (PSI)	DESCRIPTION OF OPERATION AND MATERIALS
	0400					Time Colled
	0500					Time Ready
	0700					Time out
	0830					Hookup To Log
	0840	3				1600 The Hole
	0850		23.5		300	Abt Hooked Pressp
	0853	4	11.5		600	Increase Rate 35% <sup>100</sup>
	0858	3	10		750	Slow Rate Down
	0859		3			Shut Down
	0900					Drill pipe Connect 150 <sup>SE</sup> Prem Plan w 75% Colled-30
	1115					Connection Loc.
	1130					Hookup To Well Head w/ Plug Connect. AND wire line unit for log.
	1156	2			250	Start Injection Rate
	1157	3			500	Increase Rate
	1159		10			Circulate Fluid up the 8 1/2
	1200	2			350	Start Down Hole w/ Cement
	1212		35.2		0	Final Mix Cement
	1213					Washer Pumps & Lines
	1215	2.6				Start Displacement
	1229	2	37%		100	Pressio 2715 <sup>FT</sup> Slow Rate Down
	1233	1	7 1/2		200	Press Increase 2800 <sup>FT</sup> 145 <sup>Total</sup>
	1239	1/2	5		450	" 30145 <sup>FT</sup> 350 <sup>136L</sup>
	1245	1/4	2.7%		300	Shut Down 3260 <sup>FT</sup> 59.5 <sup>136L</sup>
	1246					Shut in Head
	1248					Roll Wire line out of Hole
	1315					Finish w/ Job.

ORIGINAL

Thank  
H. Halliburton  
Energy

PLUG AT 3260<sup>FT</sup>  
Cement in 48<sup>FT</sup>, 76<sup>136L</sup> / 3<sup>SE</sup>  
147<sup>SE</sup> cement in from 314.5<sup>136L</sup>  
Shut in Press 300<sup>PSI</sup>  
Max Press set for job 100<sup>PSI</sup>

CUSTOMER







HALLIBURTON ORIGINAL

JOB LOG HAL-2013-C

DATE 12-14-95 PAGE NO 1

CUSTOMER *Avadaaks* WELL NO. *1-SWD* LEASE *Low "G"* JOB TYPE *RECEMENT - SPYDIE* TICKET NO. *881027*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS	PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					TUBING	CASING	
	0430						Called out for 0800
	0720						On Location
	0745						Setup Co. Truck
	0750						Safety Meeting - waiting on correct Mudding
							DEC 16 1996
	0914	4	32				INJECTION RATE TEST
	0933	6	143.7			400	Loaded - Mix LEAD CEMENT
	0952	6	35.2			170	Mix Tail CEMENT
	0958						Shut Down - Wash up
	1000	6	59.9			0	Drop Top Plug & Displace
	1003	6/3				0	Slow Rate
	1010	3/0				0	Shut Down - Casing on Vacuum
	1025						32 Bbl in
	1025	2 1/2	5			0/250	Pump 5 Bbl
	1027	2 1/2/0				250/100	Shut Down
	1028	1/4				100	Pump 1/4 BPM
	1109	4/10				1200	Shut Down - 54 Bbl in
							Job Camp IETE
							LEAD CEMENT - 250 SX MIDCON 143.7 Bbl
							Tail CEMENT - 150 SX PREM. PLUS 35.2 Bbl
							373 ft. CEMENT IN CASING
							THANKS FOR CALLING HALLIBURTON WES + CREW

FIELD OFFICE



CUSTOMER COPY

REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046



INVOICE

881027 12/14/1997

LOW "G" 1-SWD	MORTON	KS	SAME
LIBERAL	WELL CHECK	SQUEEZE OPEN HOLE	12/14/1997
019595	J D MOUTZ	38876	COMPANY TRUCK 0108

RECEIVED  
KANSAS CORPORATION COMMISSION DIRECT CORRESPONDENCE TO:

ANADARKO PETROLEUM CORP  
BOX X  
ELKHART, KS 67950

FEB 18 1998

P O BOX 1598  
LIBERAL KS 67901

CONSERVATION DIVISION  
LIBERAL, KS

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT
000-117	MILEAGE CEMENTING ROUND TRIP	52 MI		2.85	148.20
		1 UNT			
000-119	MILEAGE FOR CREW	52 MI		1.50	N/C
		1 UNT			
001-016	CEMENTING CASING	3770 FT		1,570.00	1,570.00
		1 UNT			
030-018	CEMENTING PLUG 5/8 ELASTIC TOP	4 1/2 IN		55.00	55.00
		1 EA			
116-202	MEASURING LINE	1 EA		235.00	N/C 235.00
504-050	CEMENT - PREMIUM PLUS	150 SK		11.91	1,786.50
504-252	MIDCON-2 PREMIUM PLUS CEMENT	250 SK		16.39	4,097.50
507-210	FLOCELE	100 LB		1.65	165.00
509-403	ANHYDROUS CALCIUM CHLORIDE	8 SK		36.75	294.00
500-207	BULK SERVICE CHARGE	438 CFT		1.35	591.60
500-304	MILEAGE CHRG MAT DEL OR RETURN	490.52 MI		.95	465.99

INVOICE SUBTOTAL

9,408.49

DISCOUNT-(BID)

2,352.10

INVOICE BID AMOUNT

7,056.39

- \*-KANSAS STATE SALES TAX
- \*-LIBERAL CITY SALES TAX
- \*-SEWARD COUNTY SALES TAX

345.76  
70.57  
70.57

10/293.1000/11223

12-27-95  
108

INVOICE TOTAL -- PLEASE PAY THIS AMOUNT. \$7,333.29

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never