# Attachment 4





F4430-04-1 Rev. 5/13/09

### **VALVE MAINTENANCE RECORD FORM**

(make all entries in black or blue permanent ink)

DIVISION Gas Transmssion DISTRICT Kettleman	VALVE NO. V- 1 KTK840010
LOCATION (SKETCH ON BACK IF REQUIRED)	SAP WM NO. 41432217 KTK840010
Redacted LINE/STATION NAME	TRANSMISSION: X EMERGENCY X OTHER
OPER. OR WALL MAP 382704 OPER. DIAG. OR PLAT 082558 E	BLK. N/A DISTRIBUTION: STATION CRITICAL MAIN
VALVE DA	ATA
SIZE 1 " MAKE/MODEL W-K-M B-136-CS-03 TYPE Ball PRESS RATING Ball, Plug, Gate	S         2500         SERIAL NO.         Unknown         USE         Tap           PSIG         MLV, BTU, Zone, Station, etc.
RECOMMENDED LUBRICANT/SEALANT 1033 LUBE/INSPECT FREQ. Annual Annual,	Gearbox Breather (Bettis) Installed? YES X NO NA
RECOMMENDED STEM PACKING MATERIAL N/A Brand/Type or NA	High-Head Extension Vent Installed? YES X NO NA
ACTUATOR TYPE Manual  Manual Lever, Exposed Gearing (no gearbox), Enclosed Gearing*, Power Actuated	COMMENTS Use V-18 at T-8.93 for emergency valve
* Manual gearbox filled with oil? YES Drained? YES	
90 Wt to 140 Wt Oil  Grand Slam Grease	ANNIVERSARY = May
X NO	
Wrench (Key) Size: N/A Quarter Turn X Multi-Turn (Gate, Plug, Ball Valve w/Gear box)	Number of Turns: <u>Unknown</u>
** Enter Service History on next page.	



VALVE MAINTENANCE RECORD FORM Line / Station Name:

Redacted

(Make all entries in black or blue permanent ink)

Valve Number:

						SER	VICE HISTORY (see notes)			
DATE MM/DD/YY	INITIAL  LAN ID	VERIFY VALVE NUMBER Y/N	INSPECT Y/N	LUBE (If req'd) Y/N or N/A	OPERATE Y/N	VALVE POSITION As Found As Left	REPAIRS REQUIRED (If any)	ACTION TAKEN (If required)	REPAIRED DATE  MM/DD/YY  INITIAL – LAN ID	REVIEWED DATE  MM/DD/YY  INITIAL – LAN ID
5-15-10	1 (2/1.35	1	ン	<i>\\\</i>	7		<b>N</b> oN E	None		6-2-10 EN -EXW5
5-19-11	<u>CZH</u> <u>CZHZ</u>	MACA	MA	MACON	FW P	0	None	NON 6		6-13-11 Ed - EXUS
6-1-12	Carry Cary	λ	γ	NA	<u>*/</u> P	0	nont	NON 6		6-11-12 Be -Bury
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	64006-0460-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0				10-30-30 th					_
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4	***************************************				Maradin (vitralizadný) i čestrých vyvyský	AND SERVE OF THE SERVE AND SERVE AND SERVE				Per Per Per Per Ber Hall Hall Hall Market Market Market Art and Art of the supple department of the



(make all entries in black or blue permanent ink)

DIVISION Gas Transmssion DISTRICT Kettleman	VALVE NO. V- 16.08 KTK840050
LOCATION (SKETCH ON BACK IF REQUIRED)	SAP WM NO. 41432242 KTK840050
Redacted LINE/STATION NAMI	TRANSMISSION: X EMERGENCY X OTHER
OPER. OR WALL MAP 382704 OPER. DIAG. OR PLAT 082532	BLK. N/A DISTRIBUTION: STATION CRITICAL MAIN
VAL	VE DATA
SIZE 16" MAKE/MODEL Rockwell 4949 1/2 TYPE Plug PRESS Ball, Plug, Gate	RATING 2160 SERIAL NO. Unknown USE Main Line Valve PSIG MLV, BTU, Zone, Station, etc.
RECOMMENDED LUBRICANT/SEALANT 1033 LUBE/INSPECT FREQ. Annu Brand/Type or NA	Gearbox Breather (Bettis) Installed? XYES NO NA Annual, Monthly, Other
RECOMMENDED STEM PACKING MATERIAL N/A  Brand/Type or NA	High-Head Extension Vent Installed? X YES NO NA
ACTUATOR TYPE Manual  Manual Lever, Exposed Gearing (no gearbox), Enclosed Gearing*, Power Actuated	COMMENTS
* Manual gearbox filled with oil? YES Drained? YES	
90 Wt to 140 Wt Oil X NO	ANNIVERSARY = May
X NO	
Wrench (Key) Size: N/A Quarter Turn Multi-Turn (Gate, Plug, Ball Valve w/Ge ** Enter Service History on next page.	ear box) X Number of Turns: <u>Unknown</u>

	Pacific Gas
P8:	and
H. OI	Electric
	Company

VALVE MAINTENANCE RECORD FORM Line / Station Name Redacted

(Make all entries in black or blue permanent ink)

Valve Number:

SERVICE HISTORY (see notes)

<del></del>						SEK	VICE HISTORY (see notes)			
DATE MM/DD/YY	INITIAL  LAN ID	VERIFY VALVE NUMBER Y/N	INSPECT Y/N	LUBE (If req'd) Y/N or N/A	OPERATE Y/N	VALVE POSITION As Found As Left	REPAIRS REQUIRED (If any)	ACTION TAKEN (If required)	REPAIRED DATE  MM/DD/YY  INITIAL – LAN ID	REVIEWED DATE  MM/DD/YY  INITIAL LAN ID
5-15-10	CRUS	٦	٦	4	7		NONE	Nove		6-2-10 Ew - EXUS
5-14-11	CZHZ	у	У	У	<u> </u>		NONG	NONE		6-13-11 EN -EXWS
6-1-12	<u>cul</u>	7	y	Y	Y	0	pone	NONE		6-11-12 Bn -Bwry
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### **APPLICATION FOR GAS CLEARANCE**

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	1. Clearance No.		***************************************		2. Revi	sion No.	2a. Revisior	Date / Time	3. Orig Date Sent
NFORMATION	KE-11-01								
₽ T	4. Gas Control Center		5. 0	District/Divisi	on		6.	Job <b>No</b> .	
夏	GAS CONTROL			KETTLEMAN			3	0671287	
o T	7. Clearance Supervisor		8a. Office	e Tel No.		8b. Cell No.	9a	. System	9b. Non-System
Ż	Redacted					Redacted		New Std	New Std
				**************************************			auarmo		
					_				
	10a. Operating Maps with	Change No.		······································				<u>ningo yang pada kataban na pinanga</u>	
	382704 SHEE	T 1 CHANGE	74						
$\mathcal{Q}$								· · · · · · · · · · · · · · · · · · ·	
DRAWINGS									
	10b. Operating Diagrams	with Chan <b>ge N</b> o.							
2	082532 REV. 1	4							
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				·····		AND DESCRIPTION OF THE PROPERTY OF THE PROPERT			
					000000000000000000000000000000000000000				
	11a. Start Date	11b. Start Time	11c. Completi	ion Date		11d. Completion 1	īme	12. Facility Redacted	Involved
<b>~</b>	TBD2-15-11	TBD /300			1600			Redacted	
¥ I	13. Equipment or Location	iterruptions Special Instri	ictions)		-				
			Yes No Total No. of C			No. of Customers			
5			les 🖂	J NO	10tai	No. or Customers			
	15. Description								
	Test V-102 Seats								
			/*\	18. Speci	al Instauc	lione			
5	17. Progress Report at Ke	y Communication Steps	(*) or not to	Yes			o to Bauo Ui		
	exceed					he in the Sequence of		e not to be included	I in the Special
	If left blank 2hrs is o	lefault		Instruction		,	, , , , , , , , , , , , , , , , , , , ,	Aplicated	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				***************************************				
	GENERAL BERNELLER BETTER B	,	UTHORIZA	ATION C	F CLE	EARANCE			
				W			CONTACT	NO I	TODAY'S DATE
				MAMP.					
<b>EPA</b> E	RED BY:		dacted	NAME			domination, and a few first	uceasprelimente (p.	
EPAF	RED BY:		the wife to be a first of the second of the	NAME			559-333-3	uceasprelimente (p.	1/27/11
	RED BY:		the wife to be a first of the second of the	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			559 <b>-</b> 333-3	3543	1/27/11
ELD S	SUPERVISOR:	Re	dacted	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			domination, and a few first	3543	
ELD'S		Re	dacted	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			559 <b>-</b> 333-3	3543	1/27/11

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100 mg	AGENCY	CONTACT NUMBER	(all that apply)	PERSON NOTIFIED	TIME NOTIFIED	NOTIFIED BY WHOM	COMMENTS
ر م	GAS CONTROL CTR	925-513-4859		AAAAAAAA AAAA AAAAA AAAAAAAA	245-24-3-5-3-4-3-4-3-3-3-3-3-3-3-3-3-3-3-3-3-	A STATE OF THE STA	***************************************
NEWOINED by Gas Control	FLYERS REQUIRED						
	CALL CENTERS						
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eck those completed	LAW ENFORCEMENT		[ Control of the cont				
Notifications regularly.	FIRE DEPARTMENT						
(S)	AIR QUALITY BOARD						
	PUBLIC RELATIONS						
	NELATIONO	>				L	**************************************
Automobile							
		AGENCY			LANID		MANDATORY
( <u>vo</u> v)	SYSTEM GAS CON	AGENCY		Re			MANDATORY ✓
andatory)				Re	dacted		
are <u>mandatory)</u>		ITROL ISSION SUPERVISOR		Re			✓
tems are <u>mandatory)</u>	SYSTEM TRANSMI CLEARANCE SUPI	ITROL ISSION SUPERVISOR		Re			✓ ✓
"√" items are <u>mandatory)</u>	SYSTEM TRANSMI CLEARANCE SUPI	ITROL ISSION SUPERVISOR ERVISOR ANCE SUPERVISOR		Re			✓ ✓
cked "<" items are <u>mandatory)</u>	SYSTEM TRANSMI CLEARANCE SUPI GT M&C MAINTEN	ITROL ISSION SUPERVISOR ERVISOR ANCE SUPERVISOR TENDENT		Re			✓ ✓
(Checked " <" items are <u>mandatory)</u>	SYSTEM TRANSMI CLEARANCE SUPI GT M&C MAINTEN GT M&C SUPERIN	ITROL ISSION SUPERVISOR ERVISOR ANCE SUPERVISOR TENDENT VISORS		Re			✓ ✓
(Checked " " items are mandatory)	SYSTEM TRANSMI CLEARANCE SUPI GT M&C MAINTEN GT M&C SUPERINT GAS T & R SUPERV	ITROL ISSION SUPERVISOR ERVISOR ANCE SUPERVISOR TENDENT VISORS		Re			✓ ✓
	SYSTEM TRANSMI CLEARANCE SUPI GT M&C MAINTEN GT M&C SUPERINT GAS T & R SUPERINT AREA M&C SUPERINT	ITROL ISSION SUPERVISOR ERVISOR ANCE SUPERVISOR TENDENT VISORS RINTENDENT LITY ENGINEER		Re			✓ ✓
	SYSTEM TRANSMI CLEARANCE SUPI GT M&C MAINTEN GT M&C SUPERINT GAS T & R SUPERINT AREA M&C SUPERINT GE PIPELINE/FACI	ITROL ISSION SUPERVISOR ERVISOR ANCE SUPERVISOR TENDENT VISORS RINTENDENT ILITY ENGINEER YSTEM PLANNING		Re			<b>√</b>
	SYSTEM TRANSMI CLEARANCE SUPI GT M&C MAINTEN. GT M&C SUPERIN GAS T & R SUPERIN AREA M&C SUPERIN GE PIPELINE/FACI TRANSMISSION SY	ITROL ISSION SUPERVISOR ERVISOR ANCE SUPERVISOR TENDENT VISORS RINTENDENT ILITY ENGINEER YSTEM PLANNING ERING		Re			✓ ✓



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A. Estimated Total Volum	e of Gas To Be Released Durin	g Clearance B. W	as a drafting strategy performed	if Box A. is over 250M	CF?
N/A mcf			YES NO		
C. If Box B is checked NC	O, please explain why.	<u></u>			
D. Starting Pressure Draf	tina E Endina P	RELEASED essure Drafting	D GAS VOLUMES  F. Starting Pressure X-C	ama I (	3. Ending Pressure X-Comp
-, -, -, -, -, -, -, -, -, -, -, -, -, -				<b>*F</b>	. Lineing / tootate to the
H. Gas Volume Saved fro	om Drafting	I. Gas Volume Saved t	rom X-Comp	J. Gas Volume Blown	to Atmosphere (MMCF Unit)
	PU	RPOSE FOR F	REVISION CHANG	E(S)	
				<u> </u>	
Revision No.	Reason for Chang	le			
Reported By	Date & Time	Reported To	Date & Time	Tel No.	Today's Date
керопес бу	Date & Title	Kebotted to	Date & Time	Jeino.	Today's Date
Revision No.	Reason for Chang	e			
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Reported By	Date & Time	Reported By	Date & Time	Reported By	Date & Time
Revision No.	Reason for Chang	<u>l</u> le	<u> </u>		
	*****				
Reported By	Date & Time	Reported By	Date & Time	Reported By	Date & Time
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CLEADANC	E: KE-11-01		REVISION:		A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4



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	SPECIAL MISTRUCTIONS 2
MANNY.	manne ma
Please list Special In	structions below
Redacted	
	· · · · · · · · · · · · · · · · · · ·
	All Valve Operations must be in the "Sequence of Operations"
	Valve Operations are not to be included in the "Special Instructions"

CLEARANCE:KE-11-01	REVISION:

<sup>\*</sup> Indicate Key Communication steps with an asterisk (\*) for communication and logging between Clearance Supv and Gas Cntrl Ctr



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Will Normal Fun	ction of the Facility be Maintained?	Market in construction and an internal annual a		B. Does Gas Control Centers Need to Change SCADA Alarms?  Yes No				
CADA TAG	SCADA ALARM DESCR	CADA ALARM DESCRIPTION HI-H		CLEARANCE HI-HI SETTING	NOF LO-LO	NORMAL CLEARANCE LO SETTING LO-LO SETTING		
Max	imum Welding Pressure			Maximum	Tapping P	ressure		
GAUG (Pr	E DESTINATION rovided by CS) ge tap of V-16.08	Low N/A	LIMITS High N/A	FREQUENCY OBSERVATIO			BSERVED BY ned by CS/Job Supv)	
							·	

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# **SEQUENCE OF OPERATIONS**

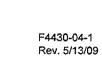
*		<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>		<del></del>	<del></del>	ution and lo <mark>ggi</mark> ng between Clearance Sup	ov and Gas Cntr	l Ctr
*	OPRN NO.	roc	OPERATION	VALVE NO.	TAGGED	REMARKS	COMPLETE D BY	TIME/ DATE
*		Redacted				Request Preliminary Clearance	Redacted	1[3]1(0)
	⇒					(per Clearance Procedure Manual)		2/15/11
×	*		THE RESERVE OF THE PARTY OF THE			Request Final Clearance		1[35](0)
	- 77					(Day of Job)		2/15/11
	1.	Redacted	Check Closed	V-101		Valve Position		1311 2/15/1
	2.	Galestian accord	Open	V-10	CAUTION		200000000	1312
	£2 4		opon.	1 10			-	2/15/1
	3.		Open	V-B	MOL			1316 2/15/1
			Slowly	37.4	O A T PTTON	T. D. A. 100 N. C.		1318
	4.		Open	V-A	CAUTION	To Purge Air to 100 % Gas		2/15/1
	_5.		Close	V-10	R/	To Equalize U/S & D/S of		1320
	A		<del>                                     </del>	V-	CAUTION	~~~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		2/15/1 1322
A	6.		Open	16.08	CAUTION			2/15/1
9	7.		Open	V-101				1530
	/•		Opon	7 101	CAUTION	***	***	2/15/1
	8.		Close	V-B	R/MOL			1540 2/15/1
			01	X7 A	R/			1542
	9.		Close	V-A	CAUTION			2/15/1
	10.		Close	V-102	MOL			1544 2/15/1
							<u> </u>	1545
	11.					Report On		2/15/1
	12.					Test V-102 By Opening Valve		1546
	12,					Body Bleed		2/15/1
	13.					Close Valve Body Bleed on V- 102 when test Completed		1547 2/15/1
H								1548
	14.	***************************************				Report Off		2/15/1
	15.		Open	V-102	R./MOL	Normal Position		1550
$\vdash \vdash$				***************************************	R/			2/15/1 1558
	16.		Close	V-101	CAUTION	Normal Position		2/15/1

CLEARANCE:KE-11-01

**REVISION:** 

	2HS	Pacific Gas Electric Con		Apı	plication	Page 7 of 7		
7	17	Redacted	Close	V- ,16,08	R/ ,CĄUŢIQN ,	Normal Position	Redacted	1600 2/15/1
	18.						400	
	19.							
	20.							
	21.							
	22.							
		TO OPERAT	TIONS FAX OR EM/	AIL TO (	Coalinga Nose	RANCE COMPLETE, EQUIP GSO SF CLEARANCE AND		
		DEPTS RED	LINED CHA	NGES O	FOM&D'S			

CLEARANCE: KE-11-01 REVISION:





(make all entries in black or blue permanent ink)

DIVISION Gas Transmssion DISTRICT Kettleman	VALVE NO. V- 43.30 KTK930150
Redacted  LOCATION (SKETCH ON BACK IF REQUIRED)	SAP WM NO. 41476402 KTK930150
Redacted  LINE/STATION NAM	TRANSMISSION: X EMERGENCY X OTHER
OPER. OR WALL MAP 084505 OPER. DIAG. OR PLAT	BLK. N/A DISTRIBUTION: STATION CRITICAL MAIN
VALV	E DATA
SIZE 20 " MAKE/MODEL Nordstrom 4449 1/2 TYPE Plug PRESS F	RATING 960 SERIAL NO. Unknown USE Main Line Valve PSiG MLV, BTU, Zone, Station, etc.
RECOMMENDED LUBRICANT/SEALANT 1033 LUBE/INSPECT FREQ. Annua	Gearbox Breather (Bettis) Installed? XYES NO NA  Annual, Monthly, Other
RECOMMENDED STEM PACKING MATERIAL N/A  Brand/Type or NA	High-Head Extension Vent Installed? XYES NO NA
ACTUATOR TYPE Manual  Manual Lever, Exposed Gearing (no gearbox), Enclosed Gearing*, Power Actuated	COMMENTS
* Manual gearbox filled with oil? YES Drained? YES	
90 Wt to 140 Wt Oil X NO	ANNIVERSARY = May
Grand Slam Grease	
Wrench (Key) Size: N/A Quarter Turn Multi-Turn (Gate, Plug, Ball Valve w/Gea  ** Enter Service History on next page.	r box) X Number of Turns: <u>Unknown</u>



VALVE MAINTENANCE RECORD FORM Line / Station Name: L-306 / mp 43.30

(Make all entries in black or blue permanent ink) Valve Number: 43.30

SERVICE HISTORY (see notes)

						SER	VICE HISTORY (see notes)			
DATE MM/DD/YY	INITIAL LAN ID	VERIFY VALVE NUMBER Y/N	INSPECT Y/N	LUBE (If req'd) Y/N or N/A	OPERATE Y/N F/P	VALVE POSITION As Found As Left	REPAIRS REQUIRED (If any)	ACTION TAKEN (If required)	REPAIRED DATE  MM/DD/YY  INITIAL – LAN ID	REVIEWED DATE  MM/DD/YY  INITIAL – LAN ID
5-14-10	Redacted	4	4	Ч	7 8		NONE	Nonu	*	6-2-10 Tw -EXWS
6.7-11		У	Y	Y	N P	<u>0</u>	NONE	None		6-29-11 Tus-Epus
4-12		4.	4	٦		<del>-</del> S-	DONE	NONE		6-11-12 Kr -Bwry
1-8-13		Y	У	MA	<u>y</u> <u>p</u>	0	per 3684	ront	47-	1-8-13 BR -BWR4
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(make all entries in black or blue permanent ink)

DIVISION Gas Transmssion DISTRICT Kettleman	VALVE NO. V- 1 KTB880002
Redacted LOCATION (SKETCH ON BACK IF REQUIRED)	SAP WM NO. 41469212 KTB880002
Redacted LINE/STATION NAN	TRANSMISSION: X EMERGENCY X OTHER
OPER, OR WALL MAP 383055 Sh. 1 OPER, DIAG, OR PLAT 082609	BLK. N/A DISTRIBUTION: STATION CRITICAL MAIN
VALV	E DATA
SIZE 3 " MAKE/MODEL Grove TYPE Gate PRESS R	RATING 1440 SERIAL NO. Unknown USE Tap  PSIG MLV, BTU, Zone, Station, etc.
RECOMMENDED LUBRICANT/SEALANT N/A LUBE/INSPECT FREQ. Annual Brand/Type or NA	1 Gearbox Breather (Bettis) Installed? YES NO X NA Annual, Monthly, Other
RECOMMENDED STEM PACKING MATERIAL  Brand/Type or NA	High-Head Extension Vent Installed? YES NO X NA
ACTUATOR TYPE  Manual Lever, Exposed Gearing (no gearbox), Enclosed Gearing*, Power Actuated	COMMENTS
*Manual gearbox filled with oil? YES Drained? YES	
90 Wt to 140 Wt Oil NO Grand Slam Grease	ANNIVERSARY = May
X NO	
Wrench (Key) Size: N/A Quarter Turn Multi-Turn (Gate, Plug, Ball Valve w/Gear  ** Enter Service History on next page.	r box) X Number of Turns: <u>Unknown</u>

Pacific Gas and Electric Company.

**VALVE MAINTENANCE RECORD FORM** 

Line / Station Name

(Make all entries in black or blue permanent ink)

Valve Number:

Redacted

	SERVICE HISTORY (see notes)									
DATE MM/DD/YY	INITIAL ——— LAN ID	VERIFY VALVE NUMBER Y/N	INSPECT Y/N	LUBE (If req'd) Y/N or N/A	OPERATE Y/N	VALVE POSITION As Found As Left	REPAIRS REQUIRED (If any)	ACTION TAKEN (If required)	REPAIRED DATE  MM/DD/YY  INITIAL – LAN ID	REVIEWED DATE  MW/DD/YY  INITIAL – LAN ID
5/5/5	Redacted	Í	in.							6-30-10 Tw -Exws
5/18/11	)	1	4	N/A	N	0				TW -EXWS 5-23-11 TW -EXWS
5/9/12		4	4	N/A	- N K	0	(NOT SERVICANCE)			5-14-12 Eus -EXUS
12-6-12			-		<u>y</u> <u>P</u>	0	For cour Finding 5-18-11 + 5-9-12	0V=		12-13-12 BN - BWH
	40-8-40 http://doi.org/10-10-10-10-10-10-10-10-10-10-10-10-10-1									
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					SS-SS Reliable And Annual Park Park Park Park Park Park Park Park	Matthetischenbergenungen 2007 Ste 20			are	-
				***************************************	Maria	***************************************				





(make all entries in black or blue permanent ink)

DIVISION Gas Transmssion DISTRICT Kettleman	<b>VALVE NO.</b> V- 279.63 KTB <b>8</b> 80158
Redacted	
LOCATION (SKETCH ON BACK IF REQUIRED)	SAP WM NO. 41469454 KTB880158
Redacted	
LINE/STATION NAME	TRANSMISSION: X EMERGENCY X OTHER
OPER, OR WALL MAP         383055         OPER, DIAG, OR PLAT         BLK.         N/A	DISTRIBUTION: STATION CRITICAL MAIN
VALVE DATA	
SIZE 2 " MAKE/MODEL MS 03-4356 TYPE Ball PRESS RATING 1440 Ball, Plug, Gate F	PSIG SERIAL NO. Unknown USE Tap MLV, BTU, Zone, Station, or
RECOMMENDED LUBRICANT/SEALANT Valtex 2000 S-10 LUBE/INSPECT FREQ. Annual Annual, Monthly, Other	Gearbox Breather (Bettis) Installed? YES NO X NA
RECOMMENDED STEM PACKING MATERIAL F4430-04-1  Brand/Type or NA	High-Head Extension Vent Installed? X YES NO NA
ACTUATOR TYPE Manual  Manual Lever, Exposed Gearing (no gearbox), Enclosed Gearing*, Power Actuated  COMMI	IENTS
* Manual gearbox filled with oil? YES Drained? YES	
90 Wt to 140 Wt Oil  Grand Slam Grease	INIVERSARY = May
XNO	
Wrench (Key) Size: N/A Quarter Turn Multi-Turn (Gate, Plug, Ball Valve w/Gear box)	Number of Turns: <u>Unknown</u>
** Enter Service History on next page.	

F44	30-04-1
Rey.	5/13/09

Pacific Gas and **Electric** Company:

VALVE MAINTENANCE RECORD FORM Line / Station Name

(Make all entries in black or blue permanent ink)

Valve Number:

Redacted

		,	<del>,</del>	<del></del>		SER	VICE HISTORY (see notes)	***************************************		
DATE MM/DD/YY	INITIAL LAN ID Redacted	VERIFY VALVE NUMBER Y/N	INSPECT Y/N	LUBE (If req'd) Y/N or N/A	OPERATE Y/N F/P	VALVE POSITION As Found As Left	REPAIRS REQUIRED (If any)	ACTION TAKEN (If required) -	REPAIRED DATE  MM/DD/YY  INITIAL – LAN ID	REVIEWED DATE  MM/DD/YY  INITIAL – LAN ID
5-24-6		7	Y	У	<del>- }</del> -	90	Mace	Nohe		8-11-10 Ew - EXWS
8-31-11		7	У	Y	-N	00	NONE	NONE		9-2-11 Es -Exus
5-26-17		Y	Y	Y	<u>h</u>	0	none )	CPUC FINDING FOR STATISTICATION	Cura a transfer of the control of th	6-11-12 Bn -BWL4
12-12-12		•			Y	00		FOR S-21-VALUE	_	12-13-12 BR -BWR4
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(make all entries in black or blue permanent ink)

DIVISION Gas Transmssion DISTRICT Kettleman	VALVE NO. V- 1 KTB880500
LOCATION (SKETCH ON BACK IF REQUIRED)	SAP WM NO. 41469623 KTB880500
Redacted  LINE/STATION NAME	TRANSMISSION: X EMERGENCY OTHER X
OPER, OR WALL MAP 383055 Sh. 2 OPER, DIAG, OR PLAT 087578 BL	K. N/A DISTRIBUTION: STATION CRITICAL MAIN
VALVE DAT	<b>A</b>
SIZE 6 " MAKE/MODEL Gove TYPE Ball PRESS RATING Ball, Plug, Gate	1440         SERIAL NO.         Unknown         USE         Tap           PSIG         MLV, BTU, Zone, Station, etc.
RECOMMENDED LUBRICANT/SEALANT Valtex 2000 S-10 LUBE/INSPECT FREQ. Annual Annual, Mo	Gearbox Breather (Bettis) Installed? XYES NO NA
RECOMMENDED STEM PACKING MATERIAL N/A  Brand/Type or NA	High-Head Extension Vent Installed? X YES NO NA
ACTUATOR TYPE Enclosed Gearing  Manual Lever, Exposed Gearing (no gearbox), Enclosed Gearing*, Power Actuated	COMMENTS"Not Required for Service"
* Manual gearbox filled with oil? YES Drained? YES	
90 Wt to 140 Wt Oil X NO Grand Slam Grease	ANNIVERSARY = May
X NO	
Wrench (Key) Size: N/A Quarter Turn Multi-Turn (Gate, Plug, Ball Valve w/Gear box)  ** Enter Service History on next page.	X Number of Turns: <u>Unknown</u>



Pacific Gas and Electric Company

VALVE MAINTENANCE RECORD FORM

Line / Station Name:

(Make all entries in black or blue permanent ink)

Valve Number:

Redacted
ame:

**************************************	Marie	-	·			SER	VICE HISTORY (see notes)			
DATE MM/DD/YY	INITIAL ——— LAN ID	VERIFY VALVE NUMBER	INSPECT Y/N	LUBE (If req'd) Y/N or	OPERATE Y/N	VALVE POSITION As Found	REPAIRS REQUIRED (If any)	ACTION TAKEN (If required)	REPAIRED DATE  MM/DD/YY  INITIAL – LAN ID	REVIEWED DATE  MM/DD/YY  INITIAL ~ LAN ID
·	DAM ID	Y/N		N/A	F/P	As Left			INTEREST	ווווואב באוווים
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F4430-04-1 Rev. 5/13/09

### **VALVE MAINTENANCE RECORD FORM**

(make all entries in black or blue permanent ink)

DIVISION Gas Transmssion DISTRICT	Kettleman	VALVE NO.	V- 299.00	KTK590210	
LOCATION (SKETCH ON BACK IF REQUIRED)		SAP WM NO.	41424887	KTK59	0210
Redacted  LINE/STATION NAME		TRANSM	ISSION: X	EMERGENCY X	OTHER
OPER. OR WALL MAP 383055 Sh. 2 OPER. DIAG	6. OR PLAT <u>082293</u> BLK	C. <u>N/A</u> DISTRI	BUTION:	STATION	CRITICAL MAIN
	VALVE DATA	A			
SIZE 34X30 " MAKE/MODEL Cameron TYP	E Ball PRESS RATING Ball, Plug, Gate	960 SERIA	AL NO. <u>Unknow</u>	n USE	E Main Line Valve MLV, BTU, Zone, Station, etc.
RECOMMENDED LUBRICANT/SEALANT Valtex 2000 S-10 Brand/Type or NA	LUBE/INSPECT FREQ. Semi-Annual Annual, Mor		x Breather (Bettis)	Installed? XYES	NO NA
RECOMMENDED STEM PACKING MATERIAL 909	Brand/Type or NA	High-He	ead Extension Ven	it installed? XYES	NO NA
ACTUATOR TYPE Power Actuated  Manual Lever, Exposed Gearing (no gearbox),	Enclosed Gearing*, Power Actuated	COMMENTS Replaced	I Limitorque Actua	tor with Bettis 3/08	
* Manual gearbox filled with oil? XYES	Drained? YES				
90 Wt to 140 V	4-bhhanasarrhadd	ANNIVERSARY = Sep	tember		
NO	ease				
Wrench (Key) Size: N/A Quarter Turn Mult  ** Enter Service History on next page.	i-Turn (Gate, Plug, Ball Valve w/Gear box)	X Number of 1	Fums: <u>Unknown</u>		

Pacific Gas and Electric Company

### VALVE MAINTENANCE RECORD FORM Line / Station Name:

Redacted

(Make all entries in black or blue permanent ink)

Valve Number:

SERVICE HISTORY (see notes)

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DATE MM/DD/YY	INITIAL  LAN ID	VERIFY VALVE NUMBER Y/N	INSPECT Y/N	LUBE (If req'd) Y/N or N/A	OPERATE Y/N F/P	VALVE POSITION As Found As Left	REPAIRS REQUIRED (If any)	ACTION TAKEN (If required)	REPAIRED DATE  MM/DD/YY  INITIAL – LAN ID	REVIEWED DATE  MM/DD/YY  INITIAL – LAN ID
3-4-10	Redacted	У	У	У	<u>у</u> ′р	00	Noke	HONE		3/4/10 7.6 1 KG-1
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1/4/11		Y	Y	· Y	<u> </u>	0	None	None	-	2-8-12 - EXWS
3/2/11		Y	4	У	_1/_	0				3-15-12 EL EXWS
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9/19/12	The state of the s	4	4	4		<u>c</u>			-	9-20-12 BL -BWR4
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9/18/2012 Tuesday Postir - Sheet: ridb For: 09/18/2 Page 2 of 2 OTB OTL OTD OT Class Class Special Pay Task Date Travel Wrench OT Code BarlD Equip/Job Desc Task Notes Order# Reason Rate Code Notes CritA CPUC PID:383055 Freg:12 Last:2011/10/26 Crew:1 OQ:14-01 2009093 [MLV-299.00A] Valve, Monitor, L-300A. PLS-5A Monthly Bump Check Tech KTK590210 9-18 Monthly Bump Check Maintenance 1450 LOC: 5A (& 5B) Pressure Limiting Station CritB PID:383055 Freq:1 Last2012/08/13 Crew.1 KTK590212 [299.00A\_PCV] Valve, Regulator, V-299.00A. PLS-5A Set @ 100 PSI 2009093 9-16 50 PM:9 Class A Inspection LOC: PLS-5A DEV: , CritA CPUC PID:383055 Freq:12 Last:2011/10/26 BRUCE NEED TO NO SUCK I FOM DEM REMOVE FROM DEM Crew:1 OQ:14-02 [299.00A\_PRV] Valve, Relief, V-299.00A\_PLS-5A Calculation Review PA-CXAGE 2009093 PM:10 CELISE NOW LOC: PLS-5A CritA CPUC PID:383055 Freq:12 Last:2011/10/26 Crew:1 OQ:16-01 [299.00A\_PRV] Valve, Relief, V-299.00A. PLS-5A Set @ 110 PSI / 2009093 KTK590214 9-18 50 Class A Inspection LOC: PLS-5A Crit:A CPUC PID:383055 Freq:12 Last:2011/10/26 Crew:1 OQ:16-01 Station: Tools \_Equipment KTKTE0160 Equipment, Pipe Locator, Metrotech 9800 DeBoer Serial Number 22755 2009803 9-18 ,ک LOC: Kettleman Comp Sta OritA Freq:1 Last:2012/08/21 Crew:1 OQ:05-01

Morning Break Start: End: Missed? Y / N	Lunch Break Start: End: Missed? Y /	N Afternoon Break Start End: Missed? Y / N	
rjdb * DeBoer, Russell J. Signature: I certify that I have accurately recorded all time worked and all	bided by the terms of the collective bargaining agreemen	DS Signature:	
CPUC And Maint. Records Complete? [ ] Date:	Times From: To: From	m: To:	