



APPLICATION FOR GAS CLEARANCE

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| GENERAL INFORMATION | 1. Clearance No. SA-10-39 | | 2. Revision No. Rev 1 | | 2a. Revision Date / Time 11/4/10 / 1900 hrs | | 3. Orig Date Sent 11/4/10 | | |
| | 4. Gas Control Center Gas Control | | | 5. District/Division SACRAMENTO | | | 6. Job No. TBD | | |
| | 7. Clearance Supervisor [REDACTED] | | | 8a. Office Tel No. [REDACTED] | | 8b. Cell No. [REDACTED] | | 9a. System * New * Std | |
| | | | | | | | 9b. Non-System * New * Std | | |

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| REFERENCED DRAWINGS | 10a. Operating Maps with Change No. 384509 Chg 74 | | |
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| | 10b. Operating Diagrams with Change No. 382545 Chg 35 | | |
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| SCHEDULE OF WORK | 11a. Start Date 11/4/10 | | 11b. Start Time 1730 | | 11c. Completion Date 11/4/10 | | 11d. Completion Time TBD | | 12. Facility Involved L-220 | | |
| | 13. Equipment or Location L-220 @ MP 25.15 | | | | 14. Service Interruptions (See Page IV, Special Instructions) * Yes * No Total No. of Customers | | | | | | |
| | 15. Description Emergency clearance to lower operating pressure on L-220 from MLV 25.20 to the Davis Meter Station to facilitate a leak repair on L-220. Install a new section of 8" pipe to finalize repairs. | | | | | | | | | | |
| | 17. Progress Report at Key Communication Steps (*) or not to exceed if left blank 2hrs is default | | | | | | 18. Special Instructions * Yes * No (If Yes, please go to Page V) <i>All Valve Ops must be in the Sequence of Ops. Valve Ops are not to be included in the Special Instructions</i> | | | | |
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| AUTHORIZATION OF CLEARANCE | | | |
|----------------------------|------|------------|--------------|
| | NAME | CONTACT NO | TODAY'S DATE |
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| PREPARED BY: | [REDACTED] | [REDACTED] | 11/4/10 |
| FIELD SUPERVISOR: | [REDACTED] | [REDACTED] | 11/4/10 |
| APPROVED BY GAS CONTROL: | [REDACTED] | [REDACTED] | 11/4/10 |

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| NOTIFICATIONS REQUIRED <i>(Check those completed by Gas Control)</i> | AGENCY | CONTACT NUMBER | <i>*all that apply*</i> | PERSON NOTIFIED | TIME NOTIFIED | NOTIFIED BY WHOM | COMMENTS |
|---|-------------------|----------------|-------------------------|-----------------|---------------|------------------|----------|
| | GAS CONTROL CTR | 925-513-4859 | * | | | CS | |
| | FLYERS REQUIRED | | * | | | | |
| | CALL CENTERS | | * | | | | |
| | AERIAL PATROL | | * | | | | |
| | AIRPORT | | * | | | | |
| | LAW ENFORCEMENT | | * | | | | |
| | FIRE DEPARTMENT | 530-666-8282 | * | | | CS | |
| | AIR QUALITY BOARD | | * | | | | |
| | PUBLIC RELATIONS | | * | | | | |

| DISTRIBUTION BY ORIGINATOR <i>(Checked "mandatory" items are mandatory)</i> | AGENCY | LAN ID | MANDATORY |
|--|-------------------------------|------------------|-----------|
| | SYSTEM GAS CONTROL | GSO SF CLEARANCE | * |
| | gas control SUPERVISOR | [REDACTED] | * |
| | CLEARANCE SUPERVISOR | [REDACTED] | * |
| | GT M&C MAINTENANCE SUPERVISOR | | |
| | GT M&C SUPERINTENDENT | | |
| | GAS T & R SUPERVISORS | [REDACTED] | X |
| | AREA M&C SUPERINTENDENT | [REDACTED] | X |
| | GE PIPELINE/FACILITY ENGINEER | [REDACTED] | X |
| | TRANSMISSION SYSTEM PLANNING | [REDACTED] | X |
| | DIVISION ENGINEERING | | |
| | PROJECT ENGINEER | | |
| | ENVIRONMENTAL ENGINEER | | |

| RELEASED GAS VOLUME REQUIREMENTS | |
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|--|---|
| A. Estimated Total Volume of Gas To Be Released During Clearance TBD mcf | B. Was a drafting strategy performed if Box A. is over 250MCF? * YES * NO |
| C. If Box B is checked <u>NO</u> , please explain why. | |

| RELEASED GAS VOLUMES | | | |
|---|---|---|---|
| D. Starting Pressure Drafting 474 | E. Ending Pressure Drafting 175 | F. Starting Pressure X-Comp N/A | G. Ending Pressure X-Comp N/A |
| H. Gas Volume Saved from Drafting TBD | I. Gas Volume Saved from X-Comp N/A | J. Gas Volume Blown to Atmosphere (MMCF Unit) TBD | |

PURPOSE FOR REVISION CHANGE(S)

| | | | | | |
|----------------------------------|--|---------------------------|-------------------------------|------------------------------|--------------------------------|
| Revision No. 1 | Reason for Change Could not utilize Plidco clamp for repair. We will need to install a new section of 8" pipe to finalize repairs. | | | | |
| Reported By [REDACTED] | Date & Time 11/4/10 | Reported To GSO | Date & Time 11/4/10 | Tel No. [REDACTED] | Today's Date 11/4/10 |
| Revision No. | Reason for Change | | | | |
| Reported By | Date & Time | Reported By | Date & Time | Reported By | Date & Time |
| Revision No. | Reason for Change | | | | |
| Reported By | Date & Time | Reported By | Date & Time | Reported By | Date & Time |

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SPECIAL INSTRUCTIONS

Please list Special Instructions below

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| 1. | DREGS DA-010 (CR 29 & CR 102) will be shut in supported with CNG for duration of clearance. |
| 2. | DREGS DA-07 will be shut in. DA-07 is tied and supported by two other DREGS. |
| 3. | Maximum weld pressure 500 psig / L-220 MAOP 500 psig |
| 4. | SDV_PT0004 will fall into Lo Lo alarm during the draft. Once we begin throttling of V-22.01 current alarm settings are correct. NO SCADA ALARM CHANGES REQUIRED. |
| 5. | All repair work will be done "hot" |
| 6. | |
| 7. | |
| 8. | |
| 9. | |
| 10. | |
| All Valve Operations <u>must be</u> in the "Sequence of Operations" Valve Operations <u>are not</u> to be included in the "Special Instructions" | |

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

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Application for Gas Clearance

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| A. Will Normal Function of the Facility be Maintained? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, please explain: Replace section of L-220 | B. Does Gas Control Centers Need to Change SCADA Alarms? <input type="checkbox"/> Yes <input type="checkbox"/> No |
|--|---|

| SCADA TAG | SCADA ALARM DESCRIPTION | NORMAL HI-HI SETTING | CLEARANCE HI-HI SETTING | NORMAL LO-LO SETTING | CLEARANCE LO-LO SETTING |
|-----------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|
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| Maximum Welding Pressure <u>500 psig</u> | Maximum Tapping Pressure <u>500</u> |
|--|---|

(Note: For Welding on Pressurized Pipelines Gauge Designation, Pressure Limits, Frequency of Observation and a Designated Field Employee or Crew to Observe are required.)

| GAUGE DESTINATION <i>(Provided by CS)</i> | LIMITS | | FREQUENCY OF OBSERVATIONS | OBSERVED BY <i>(Assigned by CS/Job Supv)</i> |
|--|--------|------|---|---|
| | Low | High | | |
| D/S gauge tap @ V-25.20 | 175 | 175 | During Draft | Sac T&R |
| U/S gauge tap @ V-107 (Davis Meter Sta.) | 175 | 175 | During Draft | Sac T&R |
| D/S gauge tap @ V 22.01 (Davis Meter Station) | 450 | 495 | Continuous once throttle operation begins | Sac T&R |
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SEQUENCE OF OPERATIONS

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

| * | OPRN NO. | LOC | OPERATION | VALVE NO. | TAGGED | REMARKS | COMPLETED BY | TIME/ DATE |
|---|----------|--|-----------------|--------------------|--------|--|--------------|------------|
| * | * | | | | | Request Preliminary Clearance <i>(per Clearance Procedure Manual)</i> | | |
| * | * | | | | | Request Final Clearance <i>(Day of Job)</i> | | |
| | 1. | V-5 @ V 25.20 L-220 | Check Open | V-5 | CTN | | Sac T&R | |
| | 2. | V-4 @ V-25-20 L-220 | Close | V-4 | MOL | | Sac T&R | |
| * | 3. | V-25.20 L-220 | Close | V- 25.20 | MOL | Begin drafting L-220 to 175 psig | Sac T&R | |
| | 4. | V-1 @ DREGS DA- 10 CR 29/CR 102 | Close | V-1 | MOL | Sac T&R to establish CNG support | Sac T&R | |
| | 5. | L-220 @ MP 25.16 | Weld | 2" sav- a-valve | | GC to install 2" sav-a-valve / tap and install blow off stack. | GC Gas | |
| | 6. | V-65 Davis Meter Sta. | Check Closed | V-68 | MOL | | Sac T&R | |
| | 7. | V-107 Davis Meter Sta. | Close | V-107 | MOL | At 175 psig indicated close V-107 | Sac T&R | |
| * | 8. | V-22.01 Davis Meter Sta. | Throttle | V- 22.01 | CTN | THROTTLE V-22.01 to maintain 475 psig D/S | Sac T&R | |
| | 9. | V-1 @ T- 23.16 L-220 | Close | V-1 | MOL | DA-07 supported by associated DREGS. | Sac T&R | |
| | 10. | V-1 @ T- 23.15 L-220 | Close | V-1 | MOL | Hunt Food Plant Tap / Plant is non- operational | Sac T&R | |
| | 11. | L-220 @ MP 25.16 | Blow down | 2" sav- a-valve | CTN | Blow down L-220 from V 25.20 to V-107 until flat | Sac T&R | |
| * | 12. | | | | | Report On | CS | |
| | 13. | L-220 @ MP 25.15 | | | | GC Gas to replace section of L-220 | GC Gas | |
| * | 14. | | | | | Report Off | CS | |

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| 15. | L-220 @ MP 25.16 | Secure Sav-a-valve | 2" sav-a-valve | RCTN | Verify 2" sav-a-valve secured | Sac T&R |
| 16. | V-25.20 L-220 | Open | V-25.20 | RMOL CTN | | Sac T&R |
| 17. | V-25.20 L-220 | Close | V-25.20 | CTN | At 100 psig close V-25.20 and soap test PCF | Sac T&R |
| 18. | V-25.20 L-220 | Open | V-25.20 | RCTN | | Sac T&R |
| 19. | V-4 @ V-25-20 L-220 | Open | V-4 | RMOL | | Sac T&R |
| 20. | V-5 @ V 25.20 L-220 | Check Open | V-5 | RCTN | | Sac T&R |
| 21. | V-22.01 Davis Meter Sta. | Close | V-22.01 | RCTN | | Sac T&R |
| 22. | V-107 Davis Meter Sta. | Open | V-107 | RMOL | | Sac T&R |
| 23. | V-65 Davis Meter Sta. | Check Closed | V-68 | RMOL | | Sac T&R |
| 24. | V-1 @ T-23.16 L-220 | Open | V-1 | RMOL | DA-07 | Sac T&R |
| 25. | V-1 @ DREGS DA-10 CR 29/CR 102 | Open | V-1 | RMOL | DA-010 - Remove CNG support | Sac T&R |
| 26. | V-1 @ T-23.15 L-220 | Open | V-1 | RMOL | Hunt Food Plant Tap | Sac T&R |

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| * | NOTIFY GAS CONTROL CLEARANCE COMPLETE, EQUIPMENT IS RETURNED TO OPERATIONS |
| * | SEND VIA FAX OR EMAIL TO GSO SF CLEARANCE AND GSM MAPPING DEPTS REDLINED CHANGES OF OM&D'S |

| | | | | | | |
|---|-----|--|--|--|--------------------|----|
| * | 27. | | | | Clearance Complete | CS |
|---|-----|--|--|--|--------------------|----|

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