

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar CA 91765-1482

MONITORING & ANALYSIS
REPORT OF LABORATORY ANALYSIS

Page 1 of 2

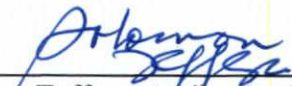
| | | | |
|----------------------------|---|------------------------|-------------------|
| TO | Jason Low Atmospheric Measurements Manager Science and Technology Advancement | LABORATORY NO | <u>1616019</u> |
| | | DATE RECEIVED | <u>06/08/2016</u> |
| SAMPLE DESCRIBED AS | Oil well samples Canister 54553, 54612, 54603 | FACILITY ID NO | <u>NA</u> |
| | | REQUESTED BY | <u>Jason Low</u> |
| SAMPLING LOCATION | Orphan Well Project 323 Firmin St. Los Angeles, CA 90004 | ST NO / PROJECT | <u>NA</u> |

Carbon monoxide (CO), methane (CH₄), carbon dioxide (CO₂), ethane (C₂H₆), and non-methane non-ethane organic carbon (NM/NEOC) in ppmvC by SCAQMD Method 25.1 (TCA FID).

| Type | Canister | Canister | Canister |
|-----------------------|-----------------|-----------------|--------------|
| Number | <u>54553</u> | <u>54612</u> | <u>54603</u> |
| Pressure (Torr) | 720 | 720 | 720 |
| CO, ppm | < 3 | < 3 | < 3 |
| CH ₄ , ppm | NA ¹ | NA ¹ | 676 |
| CO ₂ , ppm | 12700 | 10800 | 588 |
| Ethane, ppmvC | 396 | 338 | 5 |
| NM/NEOC, ppmvC | 353 | 326 | 2 |

¹ Methane concentrations are reported by fixed gases analysis.

Date Approved: 6/29/16

Approved By: 
 Solomon Teffera, Acting Senior Manager
 Laboratory Services
 909-396-2199

Handwritten: 6-28-16

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar CA 91765-1482

MONITORING & ANALYSIS
QUALITY CONTROL SUMMARY

Page 2 of 2

| | | |
|--|----------------------|------------------|
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QUALITY CONTROL -- End of run control recovery

| | | Theoretical | Measured | Percent Difference | QC Limit ±5% or ± 1 |
|---------------------------------------|-----|-------------|----------|--------------------|------------------------|
| CC106783 | MDL | | | | |
| CO, ppmvC | 0.4 | 1.92 | 2.01 | 4.72 | PASS |
| CH ₄ , ppmvC | 0.3 | 2.02 | 2.01 | -0.47 | PASS |
| CO ₂ , ppmvC | 0.4 | 1.57 | 1.99 | 26.54 | PASS |
| C ₂ H ₄ , ppmvC | 0.4 | NA | NA | NA | NA |
| C ₂ H ₆ , ppmvC | 0.4 | 2.03 | 2.10 | 3.48 | PASS |
| NM/NEOC, ppmvC | 0.5 | 2.03 | 2.08 | 2.45 | PASS |

| | | Theoretical | Measured | Percent Difference | QC Limit ±5% or ± 1 |
|---------------------------------------|-----|-------------|----------|--------------------|------------------------|
| CC135067 | MDL | | | | |
| CO, ppmvC | 0.4 | 10100 | 10139 | 0.38 | PASS |
| CH ₄ , ppmvC | 0.3 | 10000 | 10035 | 0.35 | PASS |
| CO ₂ , ppmvC | 0.4 | 10100 | 10199 | 0.98 | PASS |
| C ₂ H ₄ , ppmvC | 0.4 | NA | NA | NA | NA |
| C ₂ H ₆ , ppmvC | 0.4 | 9900 | 10052 | 1.53 | PASS |
| NM/NEOC, ppmvC | 0.5 | 10000 | 10095 | 0.95 | PASS |

| | |
|----------------------|------------------------|
| DATE ANALYZED | 06/09/2016 |
| REFERENCE NO: | 16QM2AC QM2-101-109 |

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
SAMPLE ANALYSIS REQUEST**

DISTRICT INFORMATION
 IN
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 LAB

WO #: 1616019



TO: SCAQMD LAB: OTHER:
 SOURCE NAME: Orphan Well Project Dogur I.D. No. _____
 Source Address: 323 Firmin St., City: Los Angeles
 Mailing Address: _____ City: _____ Zip: _____
 Contact Person: Jason Low Title: Atmos. Meas. Manager Tel: 909-396-2269

Analysis Requested by: Jason Low Date: 06-08-16
 Approved by: Jason Low Office: M&A Budget #: _____
 REASON REQUESTED: Court/Hearing Board Permit Pending Hazardous/Toxic Spill
 Suspected Violation Rule(s) _____ Other

Sample Collected by: Jason Low Date: 06-08-16 Time: 9:35am

SAMPLE DESCRIPTION: CEL Can. Air
54553 - Inside Popovski 10 well - 30+ prob
54612 - " " " "
54554 - Surface of well 10:05
54603 - Surface well
used for Mattell well
May be higher level

REQUESTED ANALYSIS: ± Methane
± 10-15

| Relinquished by | Received by | Firm/Agency | Date | Time |
|--------------------|--------------------|-------------|--------|-------|
| <u>[Signature]</u> | <u>[Signature]</u> | SCAQMD/LTB | 6/8/16 | 12:30 |
| | | | | |
| | | | | |

Remarks: