

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTRECEIVED  
ELECTRONIC REPORTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**

JUN 12 2015

BUREAU OF LAND MANAGEMENT

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

|  |   |  |
|--|---|--|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other                         |   | 5. Lease Serial No.<br>751141038                         |
| 2. Name of Operator<br>BRIDGECREEK RESOURCES COLO LLC<br>Contact: CARLA S GRAVES<br>Email: cgraves@palomarnr.com   |   | 6. If Indian, Allottee or Tribe Name<br>UTE MOUNTAIN UTE |
| 3a. Address<br>405 URBAN STREET, SUITE 400<br>LAKEWOOD, CO 80228   | 3b. Phone No. (include area code)<br>Ph: 303-945-2643 | 7. If Unit or CA/Agreement, Name and/or No.              |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br><br>Sec 20 T31N R14W NWSE 1980FSL 1980FEL<br>36.884645 N Lat, 108.330312 W Lon |   | 8. Well Name and No.<br>HARRIS HAWK 20-1                 |
|  |   | 9. API Well No.<br>30-045-35631-00-S1                    |
|  |   | 10. Field and Pool, or Exploratory<br>VERDE GALLUP       |
|  |   | 11. County or Parish, and State<br>SAN JUAN COUNTY, NM   |

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |   |  |   |
|--|---|---|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resumé) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|  | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | Venting and/or Flaring                    |
|  | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Bridgecreek Resources (Colorado), L.L.C., respectfully requests permission to install gas combustors for the Harris Hawk 20-1 well. It is not economical at this time to connect to a gas sales line.

OIL CONS. DIV DIST. 3

Estimated monthly gas volume that is vented is 340 mcf. Approximately 73 mcf is used beneficially on the lease.

JUN 26 2015


Two (2) Cimarron combustors (specification sheet attached) will be installed on the Harris Hawk 20-1 well. The location of the combustors will match the attached site facility diagram where COMBUSTOR is shown.

A current gas analysis is attached.

SEE ATTACHED  
CONDITIONS OF APPROVAL

|   |                            |
|---|----------------------------|
| 14. I hereby certify that the foregoing is true and correct.<br><b>Electronic Submission #304855 verified by the BLM Well Information System<br/>For BRIDGECREEK RESOURCES COLO LLC, sent to the Durango<br/>Committed to AFMSS for processing by BARBARA TELECKY on 06/12/2015 (15BDT0296SE)</b> |                            |
| Name (Printed/Typed) CARLA S GRAVES   | Title REGULATORY ASSISTANT |
| Signature (Electronic Submission)   | Date 06/12/2015            |

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

|   |           |                               |
|---|-----------|-------------------------------|
| Approved By    | Title MSC | Date 6/16/2015                |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. |           | Office TRES RIOS FIELD OFFICE |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

NMOCD



**Q2272A**

**ECD 30"D x 8.5'L**

**Walsh Engineering**

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**5/8/2015**

**APPRECIATION**

Cimarron appreciates the opportunity to provide you with a proposal for an ECD.

## Table of Contents

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## 1.0 CODES, STANDARDS AND SPECIFICATIONS

The following Codes, Standards and Specifications shall be considered part of this specification. All documents shall be the latest editions, with addenda or supplements in effect at the time of purchase. Exceptions shall be expressly stated on the drawing, data sheet or purchase sheets.

- 1.1 The American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section VIII, Division 1, Pressure Vessels.
- 1.2 ASME Boiler and Pressure Vessel Code, Section V, Non-destructive Examination.
- 1.3 American Petroleum Institute (API) – 12j, Specification for Oil and Gas Separators.
- 1.4 American Petroleum Institute (API) – 12k, Specification for Indirect Type Oil-Field Heaters.
- 1.5 The American Society of Mechanical Engineers (ASME) – B16.5, Flanges and Flanged Fittings.
- 1.6 The American Society of Mechanical Engineers (ASME) – B31, Standards of Pressure Piping.
- 1.7 American Welding Society (AWS) – D1.1, Structural Welding Code.
- 1.8 Gas Processors Suppliers Association (GPSA).
- 1.9 Occupational, Safety and Health Administration (OSHA)

## 2.0 Scope

This specification covers the basic requirements for the design and fabrication for an ECD.

## 3.0 ECD- 30"D x 8.5'L- Vertical, 15 MCF/D max

|      |                  |                         |
|------|------------------|-------------------------|
| 3.1  | Dimensions       | 30"Dx8.5's/s            |
| 3.2  | MAWP             | Atmospheric             |
| 3.3  | MMBTU/HR         | 1.6 MMBTU/HR            |
| 3.4  | Jets             | 88 Stainless Steel Jets |
| 3.5  | Flamecell        | 30"                     |
| 3.6  | Burner           | 19"Lx16"W               |
| 3.7  | Back draft cell  | 2"                      |
| 3.8  | Concrete pad     | 36"x36"x6"              |
| 3.9  | Inlet Connection | 3" NPT                  |
| 3.10 | Pilot Regulator  | ¼" Fisher 67CR-206      |

| <u>Description</u> | <u>Qty.</u> |
|--------------------|-------------|
|--------------------|-------------|

|                  |        |
|------------------|--------|
| ECD 30"D x 8.5'L | (1-25) |
| ECD 30"D x 8.5'L | (26+)  |

**Options**

|                              |     |
|------------------------------|-----|
| Cimarron ARC Ignition        | (1) |
| Cimarron ARC Hybrid Ignition | (1) |
| Cimarron ARC SAU Ignition    | (1) |
| Cimarron Actuator Valve      | (1) |
| Sentry Datalogger            | (1) |
| Safety float (3x6)           | (1) |
| Drip Pot (20"D x 36"L)       | (1) |
| Drip Pot (24"D x 48"L)       | (1) |

\*\*Cimarron ECDs are enclosed flares designed to burn VOC tank vapors from atmospheric production tanks only.

\*\*Cimarron Ignition product descriptions: (Have alarm output for automation)

ARC - Is our basic Ignition system to light and relight pilot. This system is flexible and is easy to upgrade if needed in the field.

ARC Hybrid - Upgrade to the basic ARC system to control the flow of gas to the ECD in the event of pilot failure. This system requires an inlet valve to operate. We recommend the Cimarron Actuator noted in options.

ARC SAU - Upgrade to the basic ARC system to control an inlet control valve (Cimarron Actuator) to open and close based on oz. of pressure of the waste gas stream coming from the tanks. Standard setup is to open at 5 oz. and close at 2 oz. These ranges are adjustable and can be modified in the field.

\*\*Cimarron Actuator valve: 2 1/2" Valve with plunger assembly (See attached spec sheet)

\*\*Sentry Datalogger: See attached spec sheet

\*\*Safety float: 3"x6" is a ball check that is plumbed on the outlet of the drip pot to prevent any slugs of liquid entering the ECD burner. (See ECD user manual)

\*\*Drip pot: is a liquid KO that is plumbed inline from the production tanks to the ECD to KO heavy liquids that may carry over from the tanks. (See ECD user manual)

**Delivery: 3-4 weeks ARO on first 1-10 units**

**Terms: Net 30**

# **Bridgecreek Resources** **HARRIS HAWK 20 # 1**

API - 30-045-35361

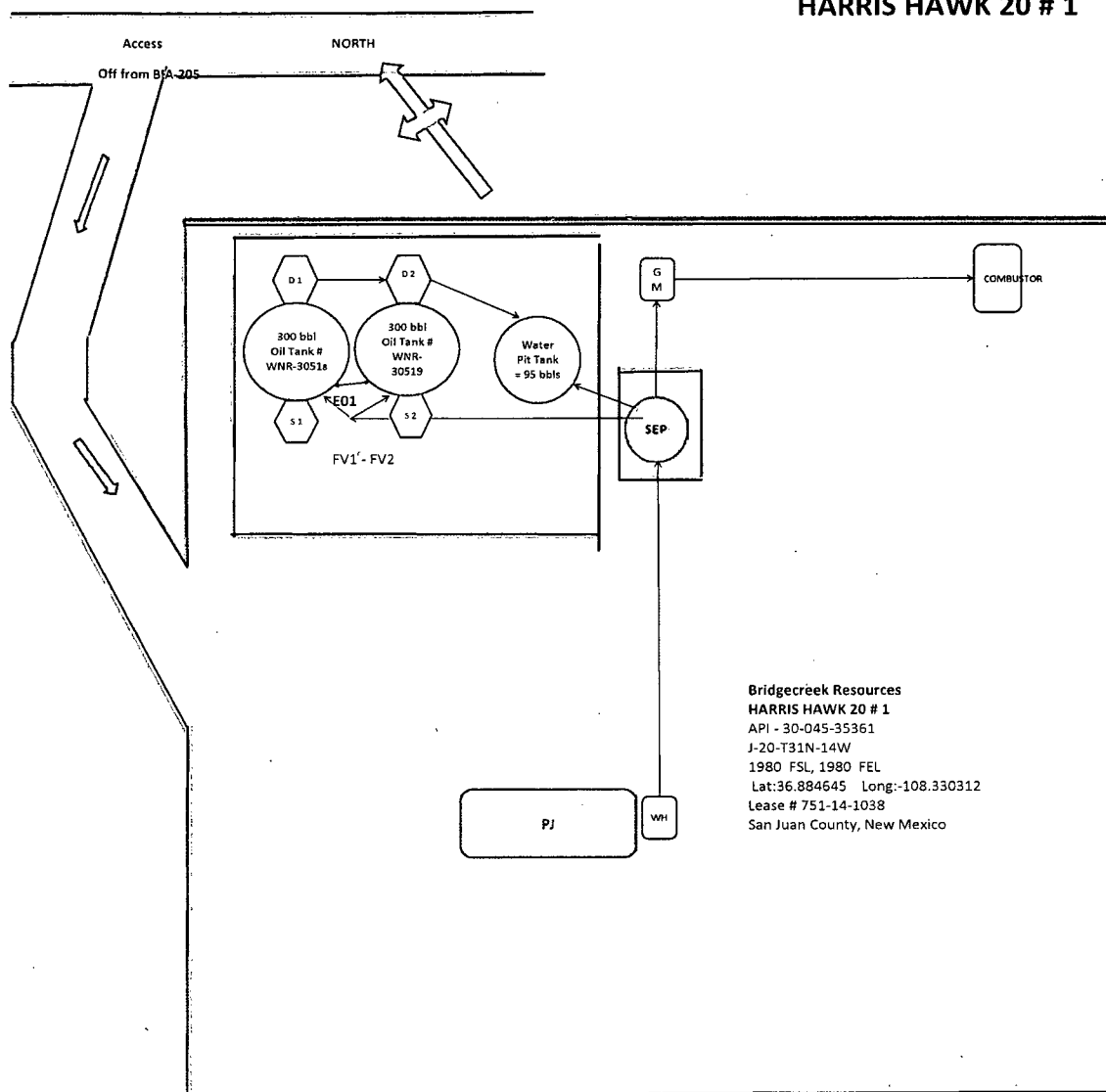
J-20-T31N-14W

1980 FSL, 1980 FEL

Lat:36.884645 Long:-108.330312

Lease # 751-14-1038

San Juan County, New Mexico



Bridgecreek Resources  
**HARRIS HAWK 20 # 1**  
 API - 30-045-35361  
 J-20-T31N-14W  
 1980 FSL, 1980 FEL  
 Lat:36.884645 Long:-108.330312  
 Lease # 751-14-1038  
 San Juan County, New Mexico

## **Attachment to the Site Facility Diagram - Harris Hawk 20 # 1**

### **General sealing of valves:**

#### **Production phase:**

All drain valves D1 sealed closed.

All sales valves S1 sealed closed.

Equalizing Valve open

Fill Valve F1 or F2 open

#### **Sales phase:**

The tank from which the sales are being made will be isolated by sealing closed the drain valve, fill valve (F1 or F2) and equalization valve during the sale.

#### **Drain phase:**

The tank from which the drain is being made will be isolated by sealing closed the sales valve, fill valve and equalization valve during the water drain.

## **Attachment to the Site Facility Diagram - Harris Hawk 20 # 1**

### **General sealing of valves:**

#### **Production phase:**

All drain valves D1 & D2 sealed closed.

All sales valves S1 & S2 sealed closed.

Equalizing Valve EQ1 open

Fill Valve F1 or F2 open to produce into specified tank

#### **Sales phase:**

The tank from which the sales are being made will be isolated by sealing closed the drain valve (D1 or D2), fill valve (F1 or F2) and equalization valve EQ1 during the sale of that tank.

#### **Drain phase:**

The tank from which the drain is being made will be isolated by sealing closed the sales valve (S1 or S2), fill valve (F1 or F2) and equalization valve EQ1 during the water drain on that tank.



2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622

Analysis No: BR150001  
Cust No: 16300-10000

### Well/Lease Information

Customer Name: BRIDGECREEK RESOURCES  
Well Name: HARRIS HAWK 20-1  
County/State: SAN JUAN NM  
Location: J520-31N-14W  
Field:  
Formation: M/V/G  
Cust. Str. No.: 202E431063

Source: METER RUN  
Pressure: 21 PSIG  
Sample Temp: DEG. F  
Well Flowing: Y  
Date Sampled: 04/21/2015  
Sampled By: V. ANDREWS  
Foreman/Engr.:

Remarks: LEASE #: 751-14-1038

### Analysis

| Component:: | Mole%:  | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen    | 11.921  | 1.3170  | 0.00    | 0.1153       |
| CO2         | 0.924   | 0.1580  | 0.00    | 0.0140       |
| Methane     | 60.554  | 10.3100 | 611.60  | 0.3354       |
| Ethane      | 9.649   | 2.5920  | 170.76  | 0.1002       |
| Propane     | 9.153   | 2.5330  | 230.30  | 0.1394       |
| Iso-Butane  | 1.132   | 0.3720  | 36.81   | 0.0227       |
| N-Butane    | 3.760   | 1.1910  | 122.66  | 0.0755       |
| I-Pentane   | 0.893   | 0.3280  | 35.73   | 0.0222       |
| N-Pentane   | 0.850   | 0.3090  | 34.07   | 0.0212       |
| Hexane Plus | 1.164   | 0.5210  | 61.35   | 0.0385       |
| Total       | 100.000 | 19.6310 | 1303.28 | 0.8844       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0046

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1312.2

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1289.4

REAL SPECIFIC GRAVITY: 0.888

GPM, BTU, and SPG calculations as shown  
above are based on current GPA factors.

DRY BTU @ 14.650: 1305.1

DRY BTU @ 14.696: 1309.2

DRY BTU @ 14.730: 1312.2

DRY BTU @ 15.025: 1338.5

CYLINDER #: 4124

CYLINDER PRESSURE: 20 PSIG

DATE RUN: 5/1/15 12:00 AM

ANALYSIS RUN BY: PATRICIA KING



BRIDGECREEK RESOURCES  
WELL ANALYSIS COMPARISON

Lease: HARRIS HAWK 20-1  
Stn. No.: 202E431063  
Mtr. No.:

METER RUN  
M/V/G

05/01/2015  
16300-10000

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Smpl Date: 04/21/2015  
Test Date: 05/01/2015  
Run No: BR150001

Nitrogen: 11.921  
CO2: 0.924  
Methane: 60.554  
Ethane: 9.649  
Propane: 9.153  
I-Butane: 1.132  
N-Butane: 3.760  
I-Pentane: 0.893  
N-Pentane: 0.850  
Hexane+: 1.164  
  
BTU: 1312.2  
GPM: 19.6310  
SPG: 0.8880



**Bridgecreek Resources**

**3160**

**Tribal IMDA: 751-14-1038**

**Well: Harris Hawk # 20-1**

**Surface Location: 1980' FSL & 1980' FEL**

**Sec. 20, T. 31 N., R. 16 W.**

**San Juan County, New Mexico**

**Conditions of Approval – Use of Combustors/Flaring:**

- 1) Use of the submitted Combustors are authorized for this well. This approval may be revoked in future if it is determined that it is economic to sell the gas verses having it flared.
- 2) Royalties must be paid on the gas that is flared.