RECEIVED

FEB 21 2020

Operator

EMNRD-OCD ARTESIA

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

**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.***

***SUBMIT IN TRIPLICATE - Other instructions on page 2***

5. Lease Serial No.
NMNM2748

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
KIRK FEDERAL COM 1H

2. Name of Operator
EOG RESOURCES INC
Contact: TINA HUERTA
E-Mail: tina_huerta@eogresources.com

9. API Well No.
30-015-45660-00-X1

3a. Address
1111 BAGBY SKY LOBBY2
HOUSTON, TX 77002

3b. Phone No. (include area code)
Ph: 575-748-4168

10. Field and Pool or Exploratory Area
LOCO HILLS-GLORIETA-YESO

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 12 T17S R30E SWNW 2079FNL 572FWL
32.850571 N Lat, 103.932121 W Lon

11. County or Parish, State
EDDY COUNTY, NM

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☐ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☒ Subsequent Report | ☐ Alter Casing | ☐ Hydraulic Fracturing | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Notice of H2S encountered.

Attached is the ROE and Gas Analysis reports.
Operations have relayed there are no public facilities/roads with ROE.

GC 2/24/20
Accepted for record - NMOCD

ACCEPTED FOR RECORD
OCT 3 2019
DMcKinney LE
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct.
**Electronic Submission #485525 verified by the BLM Well Information System**
**For EOG RESOURCES INC, sent to the Carlsbad**
**Committed to AFMSS for processing by DEBORAH MCKINNEY on 09/30/2019 (19DLM0696SE)**

Name *(Printed/Typed)* TINA HUERTA — Title REGULATORY SPECIALIST

Signature (Electronic Submission) — Date 09/27/2019

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

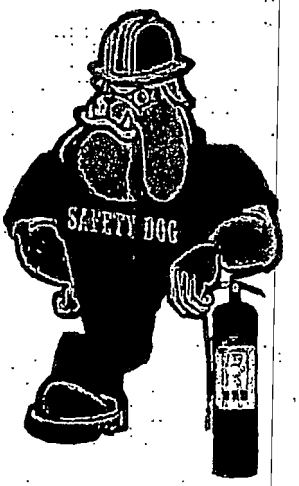
Approved By — Title — Date

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

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****




# H2S RADIUS OF EXPOSURE

**EOG Resources INC.**

**Kirk #1H**
H2S Concentration - PPM – 300

MCF/Day – 766
500 PPM Radius of Exposure – 18ft.
100 PPM Radius of Exposure - 40ft.

Created by Safety Consultant Nicholas Hughes on August 29, 2019

**Atchafalaya Measurement, Inc.**
416 East Main Street Artesia, NM 88210 575-746-3481

# Inficon Micro GC Fusion F08904 R03RR2

| | Sample Information |
|---|---|
| Sample Name | EOG__Kirk 1H__GC1-61819-01 |
| Station Number | ART80202 |
| Lease Name | Kirk 1H |
| Analysis For | EOG Resources |
| Producer | EOG Resources |
| Field Name | Dagger Draw |
| County/State | Eddy,NM |
| Frequency/Spot Sample | Spot |
| Sampling Method | Fill Empty |
| Sample Deg F | N/A |
| Atmos Deg F | N?A |
| Flow Rate | N/A |
| Line PSIG | 88.1 |
| Date/Time Sampled | 6-17-19 |
| Cylinder Number | N/A |
| Cylinder Clean Date | N/A |
| Sampled By | George Flores |
| Analysis By | Pat Silvas |
| Verified/Calibration Date | 6-17-19 |
| Report Date | 2019-06-18 09:15:17 |

## Component Results

| Component Name | Ret. Time | Peak Area | Norm% | PPMV | GPM (Dry) (Gal. / 1000 cu.ft.) |
|---|---|---|---|---|---|
| Nitrogen | 22.700 | 21981.8 | 4.33703 | 43370.300 | 0.000 |
| H2S | 46.000 | 0.0 | 0.00060 | 6.000 | 0.000 |
| Methane | 23.540 | 263322.8 | 66.80432 | 668043.200 | 0.000 |
| Carbon Dioxide | 27.660 | 2502.3 | 0.41368 | 4136.800 | 0.000 |
| Ethane | 36.860 | 100967.2 | 15.31807 | 153180.700 | 4.113 |
| Propane | 77.960 | 76218.7 | 8.61441 | 86144.100 | 2.383 |
| i-butane | 28.760 | 63885.7 | 0.93869 | 9386.900 | 0.308 |
| n-Butane | 30.320 | 161701.8 | 2.28921 | 22892.100 | 0.725 |
| i-pentane | 35.400 | 35511.0 | 0.42649 | 4264.900 | 0.157 |
| n-Pentane | 37.480 | 37211.7 | 0.43501 | 4350.100 | 0.158 |
| Hexanes Plus | 120.000 | 36875.0 | 0.42249 | 4224.900 | 0.184 |
| Total: | | | 100.00000 | 1000000.000 | 8.028 |

## Results Summary

| Result | Dry | Sat. (Base) |
|---|---|---|
| Total Raw Mole% (Dry) | 99.75985 | |
| Pressure Base (psia) | 14.730 | |
| Temperature Base | 60.00 | |
| Gross Heating Value (BTU / Ideal cu.ft.) | 1327.0 | 1303.9 |
| Gross Heating Value (BTU / Real cu.ft.) | 1332.7 | 1310.1 |
| Relative Density (G), Ideal | 0.8083 | 0.8050 |
| Relative Density (G), Real | 0.8114 | 0.8085 |
| Compressibility (Z) Factor | 0.9957 | 0.9953 |