

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

New Mexico Oil Conservation Division, District I
1625 N. French Drive
Hobbs, NM 88240
FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

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.

5. Lease Serial No.
NMNM0145685

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
EOR Operating Company

3a. Address
200 N. Loraine, STE 1440
Midland, TX 79701

3b. Phone No. (include area code)
432-687-0303

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1650 FNL & 1650 FWL
Sec. 30, T. - 08S, R. - 35E

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

8. Well Name and No.
Horton Federal #4

9. API Well No.
30-041-10104

10. Field and Pool or Exploratory Area
Milnesand-San Andres

11. County or Parish, State
Roosevelt

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" 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 WO - 12BS17W
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recompleat 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 recompleat 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.)

In response to INC 12BS17W

Please see the attached analyses report for areas tested around Horton #4.

**ACCEPTED FOR
RECORD**

NOV 04 2015

Pick Flores

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Jana True

Title Mgr - Regulatory

Signature

Date 06/28/2012

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)

NOV 23 2015

hm



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

June 27, 2012

MARCELINO GALINDO
ENHANCED OIL RESOURCES
200 N. LORAIN, SUITE 1440
MIDLAND, TX 79701

RE: HORTON #4

Enclosed are the results of analyses for samples received by the laboratory on 06/22/12 15:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

ENHANCED OIL RESOURCES
MARCELINO GALINDO
200 N. LORAIN, SUITE 1440
MIDLAND TX, 79701
Fax To: (432) 687-0321

Received: 06/22/2012
Reported: 06/27/2012
Project Name: HORTON #4
Project Number: NONE GIVEN
Project Location: ROOSEVELT COUNTY, NM

Sampling Date: 06/22/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: WELL HEAD (H201431-01)

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/26/2012	ND	1.91	95.5	2.00	2.28		
Toluene*	<0.050	0.050	06/26/2012	ND	1.92	96.1	2.00	1.21		
Ethylbenzene*	0.190	0.050	06/26/2012	ND	1.95	97.5	2.00	0.918		
Total Xylenes*	0.285	0.150	06/26/2012	ND	5.87	97.8	6.00	0.301		

Surrogate: 4-Bromofluorobenzene (PIC) 119 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17800	16.0	06/25/2012	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/25/2012	ND	170	85.0	200	1.96	
DRO >C10-C28	1210	50.0	06/25/2012	ND	177	88.3	200	2.58	

Surrogate: 1-Chlorooctane 82.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENHANCED OIL RESOURCES
MARCELINO GALINDO
200 N. LORAIN, SUITE 1440
MIDLAND TX, 79701
Fax To: (432) 687-0321

Received: 06/22/2012
Reported: 06/27/2012
Project Name: HORTON #4
Project Number: NONE GIVEN
Project Location: ROOSEVELT COUNTY, NM

Sampling Date: 06/22/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: NW OFF PAD (H201431-02)

BTX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2012	ND	1.91	95.5	2.00	2.28	
Toluene*	<0.050	0.050	06/25/2012	ND	1.92	96.1	2.00	1.21	
Ethylbenzene*	<0.050	0.050	06/25/2012	ND	1.95	97.5	2.00	0.918	
Total Xylenes*	<0.150	0.150	06/25/2012	ND	5.87	97.8	6.00	0.301	

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/25/2012	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/25/2012	ND	170	85.0	200	1.96	
DRO >C10-C28	<10.0	10.0	06/25/2012	ND	177	88.3	200	2.58	

Surrogate: 1-Chlorooctane 87.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

ENHANCED OIL RESOURCES
MARCELINO GALINDO
200 N. LORAIN, SUITE 1440
MIDLAND TX, 79701
Fax To: (432) 687-0321

Received: 06/22/2012
Reported: 06/27/2012
Project Name: HORTON #4
Project Number: NONE GIVEN
Project Location: ROOSEVELT COUNTY, NM

Sampling Date: 06/22/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: MIDDLE LOCATION (H201431-03)

BTX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/25/2012	ND	1.91	95.5	2.00	2.28		
Toluene*	<0.050	0.050	06/25/2012	ND	1.92	96.1	2.00	1.21		
Ethylbenzene*	<0.050	0.050	06/25/2012	ND	1.95	97.5	2.00	0.918		
Total Xylenes*	<0.150	0.150	06/25/2012	ND	5.87	97.8	6.00	0.301		

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/25/2012	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/25/2012	ND	170	85.0	200	1.96	
DRO >C10-C28	<10.0	10.0	06/25/2012	ND	177	88.3	200	2.58	

Surrogate: 1-Chlorooctane 92.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celestine D. Keene, Lab Director/Quality Manager



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