

Closure Report

RECEIVED

AUG 12 2013

NMOCD ARTESIA

Site Description

Site Name:	Old Ranch Knoll 8 Federal #6
Company:	Oxy Permian Ltd.
Legal Description:	U/L G, Section 8, T22S, R24E
County:	Eddy County, NM
GPS Coordinates:	N 32.40723° W 104.51708°

Release Data

Date of Release:	01/15/2013
Type of Release:	Produced Water
Source of Release:	3" steel water line from discharge side of 3 phase separator
Volume of Release:	100 bbls
Volume Recovered:	70 bbls

Remediation Specifications

Remediation Parameters:	Excavate across the entire leak site to a depth of 6 inches. Then, backfill the site with clean soil.
Remediation Activities:	07/11/2013 to 07/29/2013

Plan Sent to OCD:	04/01/2013	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	04/05/2013	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	04/09/2013	Email from Cliff Brunson to James Amos
BLM Approval of Plan:	04/12/2013	Email from James Amos to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 01/17/2013
Final C-141	Signed 08/09/2013
Site Diagram	January 2013
Groundwater Plot	<50'
TOPO Maps	January 2013
Lab Summary	02/06/2013
Lab Analysis	02/06/2013
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

08/09/2013

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Old Ranch Knoll 8 Federal #6	Facility Type	
Surface Owner	BLM	Mineral Owner	
		Lease No.	API#30-015-32295

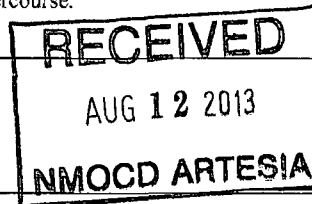
LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	8	22S	24E	2120	North	1600	East	Eddy County, NM

Latitude N 32.40723° Longitude W 104.51700

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	100 bbls	Volume Recovered	70 bbls
Source of Release	3" steel water line from discharge side of 3 phase separator	Date and Hour of Occurrence	1/15/13	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher- OCD, James Amos-BLM, Terry Gregston-BLM		
By Whom?	Christopher Jones	Date and Hour	1/16/13 @ 7:20 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			



If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A 3" steel water line from the discharge side of the 3 phase separator broke causing 100 bbls of produced water to leak onto the ground. 70 bbls were recovered via vacuum truck. The well is going to be plugged.

Describe Area Affected and Cleanup Action Taken.*
The area affected is approximately 175' x 80'. A 3" steel water line from the discharge side of the 3 phase separator broke causing 100 bbls of produced water to leak onto the ground. 70 bbls were recovered via vacuum truck. The well is going to be plugged. Remediation will be performed in accordance with an OCD and BLM approved remediation plan.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION		
Printed Name: Christopher Jones	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 1/17/13	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary

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Form C-141
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side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

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Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Old Ranch Knoll 8 Federal #6	Facility Type	
Surface Owner	BLM	Mineral Owner	
		Lease No.	API#30-015-32295

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	8	22S	24E	2120	North	1600	East	Eddy County, NM

Latitude N 32.40723° Longitude W 104.51700

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By Whom?	Christopher Jones	Date and Hour	1/16/13 @ 7:20 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					
Describe Cause of Problem and Remedial Action Taken.*					

A 3" steel water line from the discharge side of the 3 phase separator broke causing 100 bbls of produced water to leak onto the ground. 70 bbls were recovered via vacuum truck. The well is going to be plugged.

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

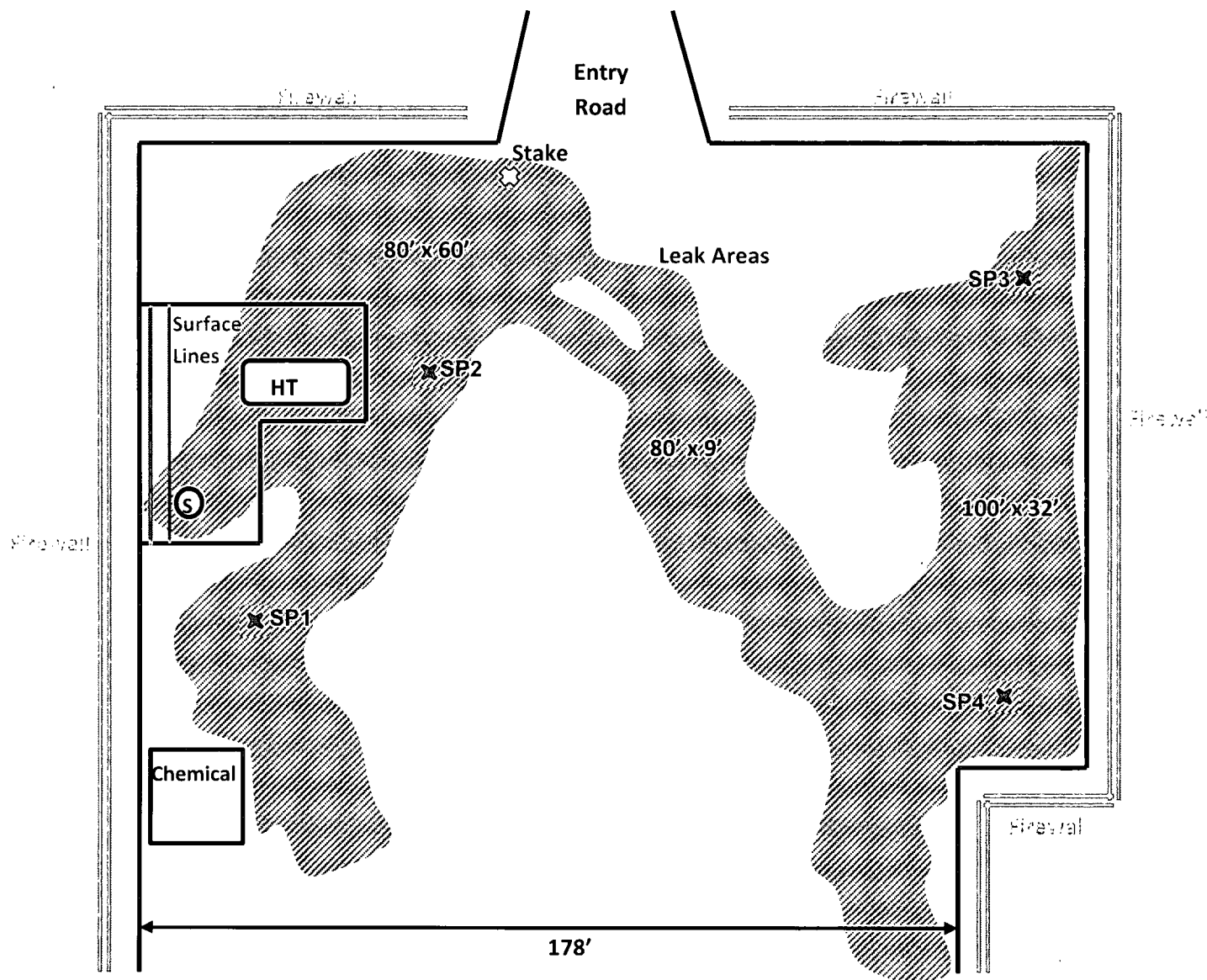
Signature:	Approved by District Supervisor:		
Printed Name: Christopher Jones	Approval Date:	Expiration Date:	
Title: HES Specialist	Conditions of Approval:		Attached <input type="checkbox"/>
E-mail Address: Christopher.Jones@oxy.com			
Date: 8-9-13	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary



Oxy

Old Ranch Knoll 8 Federal #6 (Leak date: 1/15/13)



U/L G, Section 8, T22S, R24E

2120' FNL and 1600' FEL

Eddy County, NM

GPS at Stake: N 32.40723° W 104.51708°

API # 30-015-32295

BBC International, Inc.

Oxy

Old Ranch Knoll 8 Fed #6

Date: 01/25/2013

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013



Groundwater Plot

Oxy Old Ranch Knoll 8 Federal #7
(Leak Date: 1/15/13)

County
Eddy

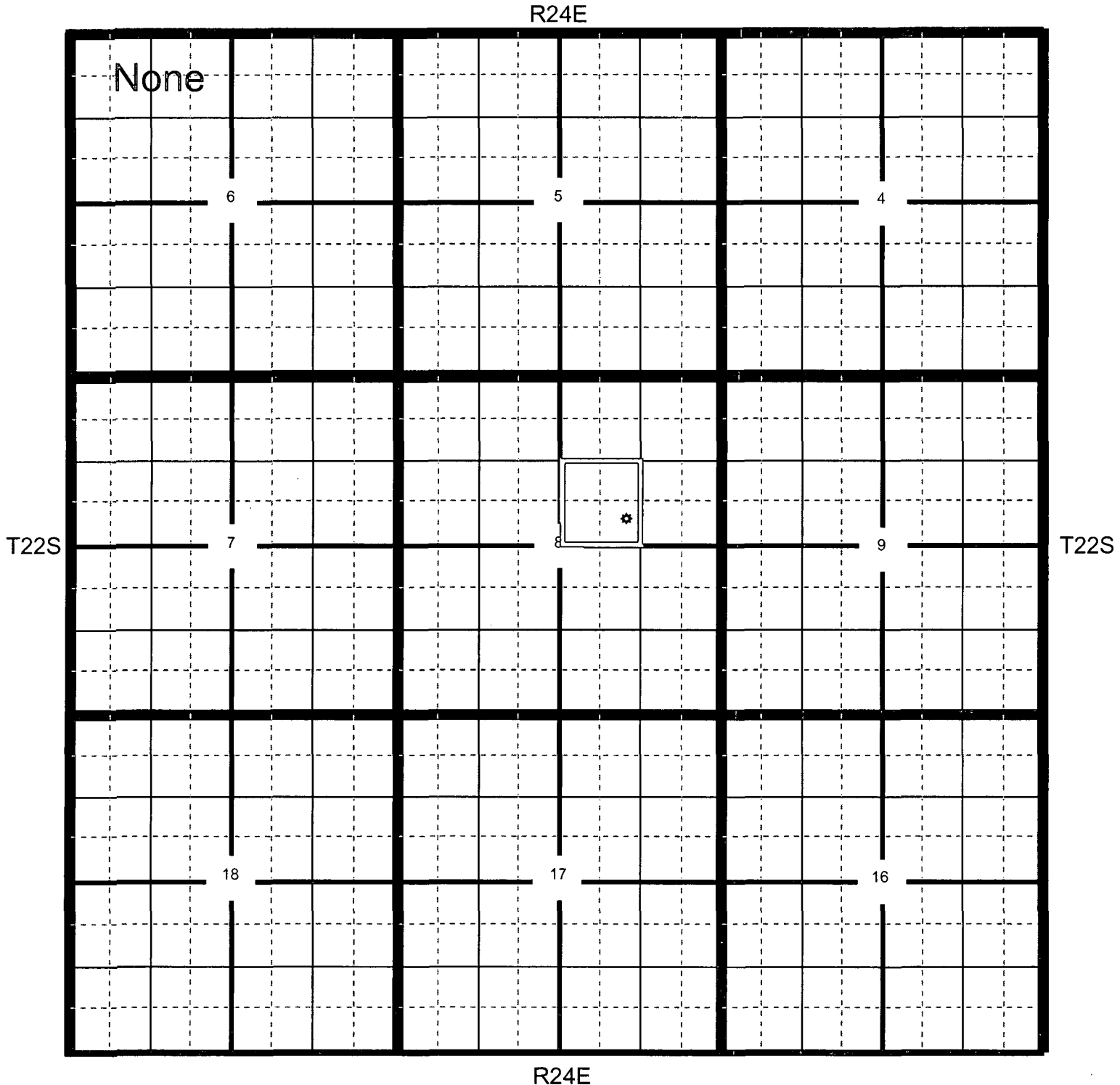
Unit Letter
G

Section
8

Township
22S

Range
24E

Trend Map <50'



Oxy Old Ranch Knoll 8 Federal #7 (Leak Date: 1/15/13)

County
Eddy

Unit Letter
G

Section
8


Township
22S

Range
24E

Trend Map <50'

1

2

NW/NW None Unit Letter D	NE/NW Unit Letter C	NW/NE Unit Letter B	NE/NE Unit Letter A
SW/NW Unit Letter E	SE/NW Unit Letter F	SW/NE Unit Letter G 	SE/NE Unit Letter H
NW/SW Unit Letter L	NE/SW Unit Letter K	NW/SE Unit Letter J	NE/SE Unit Letter I
SW/SW Unit Letter M	SE/SW Unit Letter N	SW/SE Unit Letter O	SE/SE Unit Letter P

3

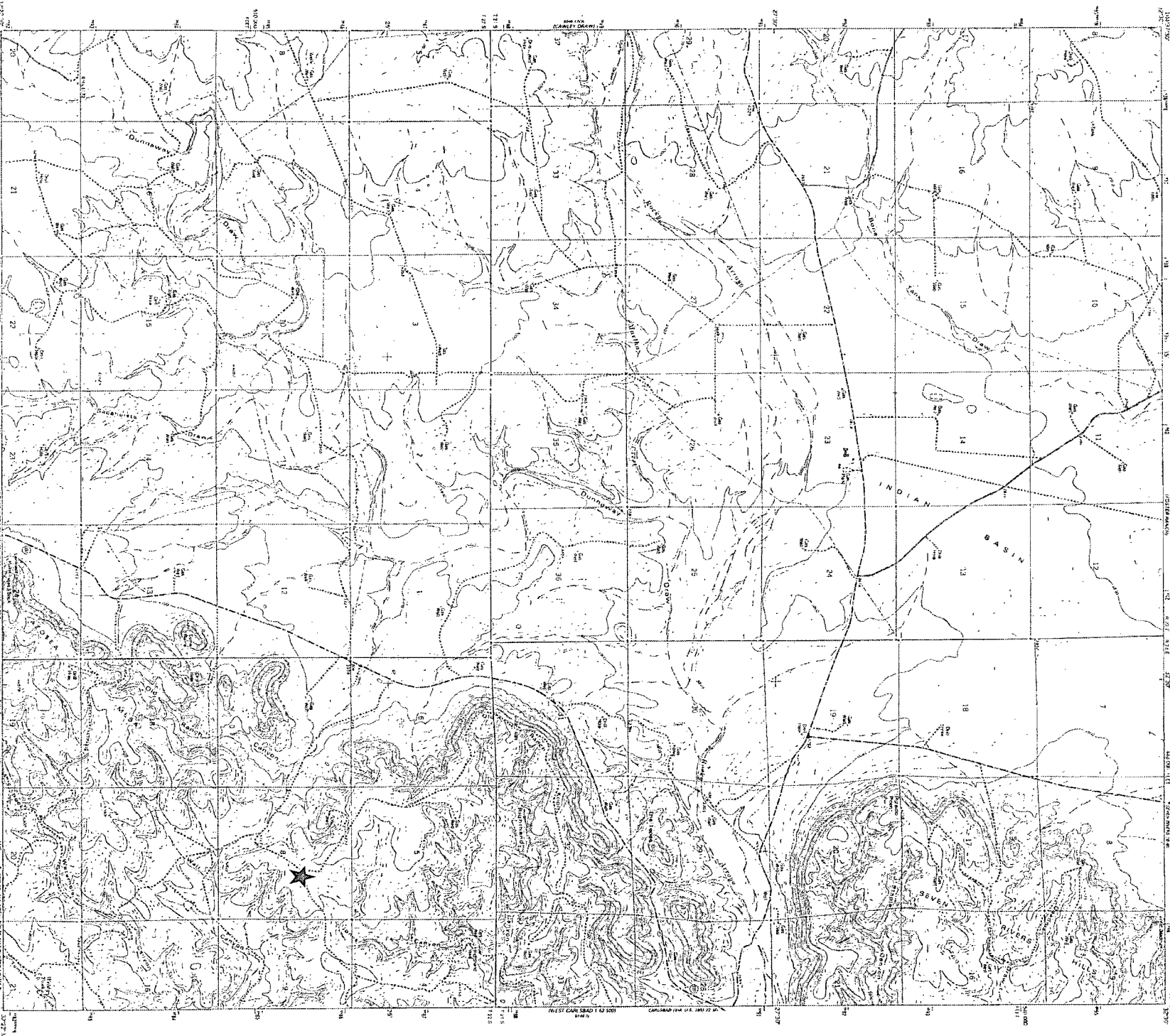
4

OXY

Old Ranch Knoll 8 Fed #6

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MARTHA CREEK QUADRANGLE
NEW MEXICO-UTAH CO.
1:25,000 SCALE SERIES (TOPOGRAPHIC)
1963 Edition, revised 1968



Map of Old Ranch Knoll 8 Fed #6
Scale 1:25,000
Projection: UTM
Datum: NAD 83
Elevation: 10,000 feet
Source: USGS
Date: 1963



Scale 1:25,000
Horizontal distance 1 inch = 2,000 feet
Vertical distance 1 inch = 2,000 feet
National Geographic Society
1963 Edition, revised 1968

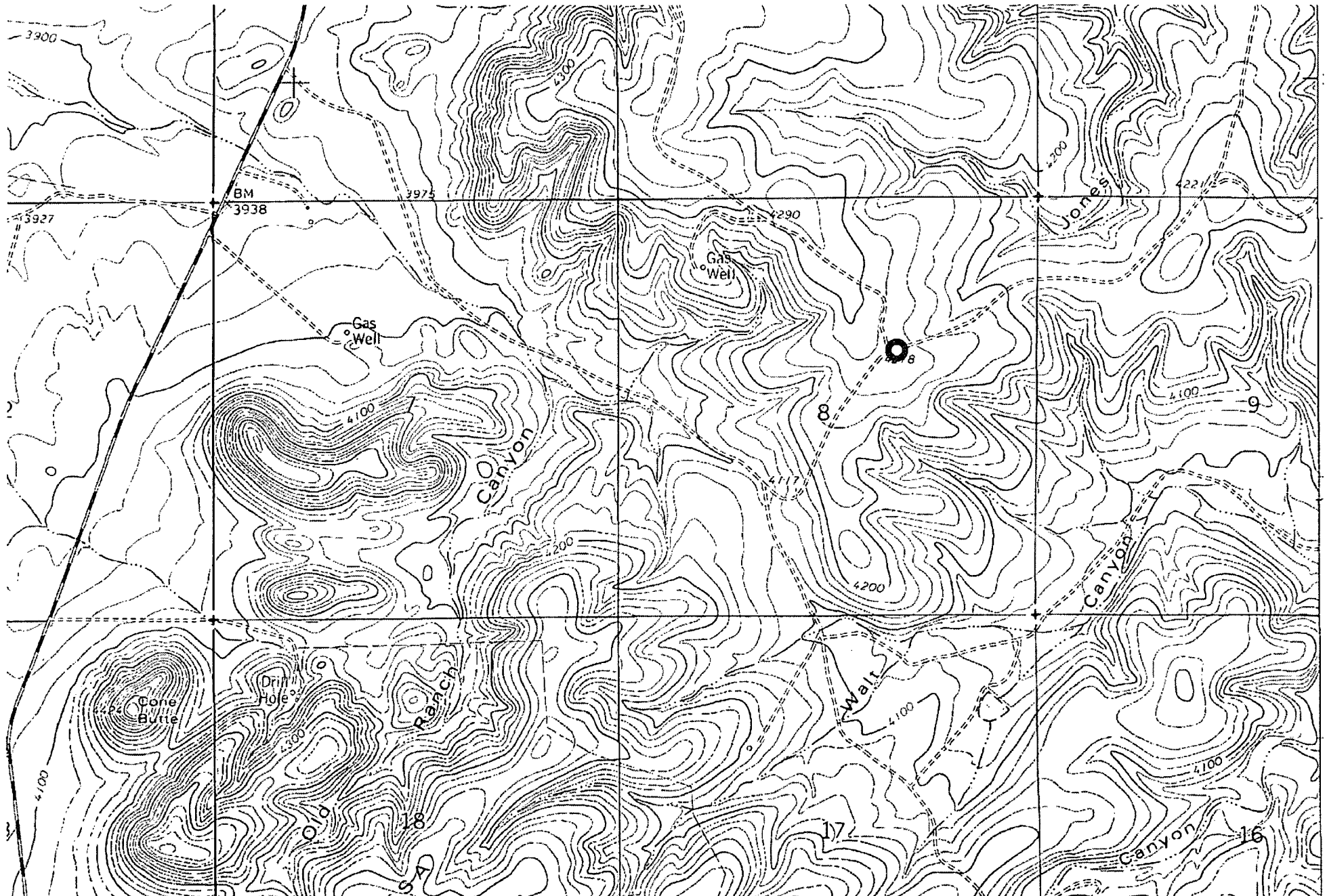


Map of Old Ranch Knoll 8 Fed #6
Scale 1:25,000
Projection: UTM
Datum: NAD 83
Elevation: 10,000 feet
Source: USGS
Date: 1963

MARTHA CREEK, N. MEX.
1963 Edition, revised 1968

Oxy

Old Ranch Knoll 8 Fed #6



**Laboratory Analytical Results Summary
Old Ranch Knoll 8 #6**

		Sample	SP1 @ SURFACE	SP1 @ 6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	N/A
Toluene	BTEX 8021B		<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	N/A
Total Xylenes	BTEX 8021B		<0.150	N/A
Total BTEX	BTEX 8021B		<0.300	N/A
Chloride	SM4500Cl-B		4800	64
GRO	TPH 8015M		<10.0	N/A
DRO	TPH 8015M		<10.0	N/A

		Sample	SP2 @ SURFACE	SP2 @ 6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		4880	96

		Sample	SP3 @ SURFACE	SP3 @ 6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		N/A	<0.050
Toluene	BTEX 8021B		N/A	<0.050
Ethylbenzene	BTEX 8021B		N/A	<0.050
Total Xylenes	BTEX 8021B		N/A	<0.150
Total BTEX	BTEX 8021B		N/A	<0.300
Chloride	SM4500Cl-B		4800	96
GRO	TPH 8015M		N/A	<10.0
DRO	TPH 8015M		N/A	<10.0

		Sample	SP4 @ SURFACE	SP4 @ 6"
Analyte	Method	Date	2/6/13	2/6/13
			mg/Kg	mg/Kg
Chloride	SM4500Cl-B		4640	64



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

February 15, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: OLD RANCH KNOLL 8 #6

Enclosed are the results of analyses for samples received by the laboratory on 02/07/13 8:30.

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 "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 02/07/2013
Reported: 02/15/2013
Project Name: OLD RANCH KNOLL 8 #6
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/06/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ SURFACE (H300348-01)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.13	
Toluene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02	
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14	
Total BTEX	<0.300	0.300	02/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	02/08/2013	ND	448	112	400	7.41	

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	02/08/2013	ND	203	101	200	10.2	
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	192	96.1	200	15.1	

Surrogate: 1-Chlorooctane 72.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.4 % 63.6-154

Sample ID: SP 1 @ 6" (H300348-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/08/2013	ND	448	112	400	7.41	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	02/07/2013	Sampling Date:	02/06/2013
Reported:	02/15/2013	Sampling Type:	Soil
Project Name:	OLD RANCH KNOLL 8 #6	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ SURFACE (H300348-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	02/08/2013	ND	448	112	400	7.41	

Sample ID: SP 2 @ 6" (H300348-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/08/2013	ND	448	112	400	7.41	

Sample ID: SP 3 @ SURFACE (H300348-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	02/08/2013	ND	448	112	400	7.41	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

 Received: 02/07/2013
 Reported: 02/15/2013
 Project Name: OLD RANCH KNOLL 8 #6
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 02/06/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 6" (H300348-06)

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.13		
Toluene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02		
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49		
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14		
Total BTEX	<0.300	0.300	02/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 111 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/08/2013	ND	448	112	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					

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	02/08/2013	ND	203	101	200	10.2	
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	192	96.1	200	15.1	

Surrogate: 1-Chlorooctane 77.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.2 % 63.6-154

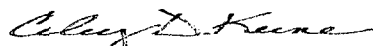
Sample ID: SP 4 @ SURFACE (H300348-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	02/08/2013	ND	448	112	400	7.41	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 02/07/2013
Reported: 02/15/2013
Project Name: OLD RANCH KNOLL 8 #6
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/06/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

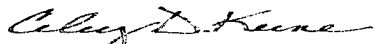
Sample ID: SP 4 @ 6" (H300348-08)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/08/2013	ND	448	112	400	7.41	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

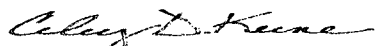
Notes and Definitions

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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