

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application

- Type of action: Below grade tank registration
 Permit of a pit or proposed alternative method
 Closure of a pit, below-grade tank, or proposed alternative method
 Modification to an existing permit/or registration
 Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Breitburn Operating LP OGRID #: 370080
Address: 1111 Bagby Street, Suite 1600 Houston, Texas 77002
Facility or well name: Libby Minerals LLC 2032 No. 081J
API Number: 30-021-20572 OCD Permit Number: _____
U/L or Qtr/Qtr UL: J Section 8 Township 20N Range 32E County: Lea County, NM
Center of Proposed Design: Latitude _____ Longitude _____ NAD83
Surface Owner: Federal State Private Tribal Trust or Indian Allotment

2.
 Pit: Subsection F, G or J of 19.15.17.11 NMAC
Temporary: Drilling Workover
 Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drilling Fluid yes no
 Lined Unlined Liner type: Thickness _____ mil LLDPE HDPE PVC Other _____
 String-Reinforced
Liner Seams: Welded Factory Other _____ Volume: _____ bbl Dimensions: L _____ x W _____ x D _____

3.
 Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume: _____ bbl Type of fluid: _____
Tank Construction material: _____
 Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
 Visible sidewalls and liner Visible sidewalls only Other _____
Liner type: Thickness _____ mil HDPE PVC Other _____

4.
 Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)
 Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)
 Four foot height, four strands of barbed wire evenly spaced between one and four feet
 Alternate. Please specify _____

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____
Signature: _____ Date: _____
e-mail address: _____ Telephone: _____

18.
OCD Approval: Permit Application (including closure plan) Closure ~~XXXXX~~ OCD Conditions (see attachment)

OCD Representative Signature: *Randy Fayis* Approval Date: 06Jul17
Title: Hydrologist OCD Permit Number: na

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC
Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

Closure Completion Date: 10/25/2016

20.
Closure Method:
 Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)
 If different from approved plan, please explain.

21.
Closure Report Attachment Checklist: *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

- Proof of Closure Notice (surface owner and division)
- Proof of Deed Notice (required for on-site closure for private land only)
- Plot Plan (for on-site closures and temporary pits)
- Confirmation Sampling Analytical Results (if applicable)
- Waste Material Sampling Analytical Results (required for on-site closure)
- Disposal Facility Name and Permit Number
- Soil Backfilling and Cover Installation
- Re-vegetation Application Rates and Seeding Technique
- Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 35.97664 Longitude -103.55952 NAD: 1927 1983

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Shelly DoescherTitle: Regulatory AgentSignature: Date: 06/27/2017e-mail address: shelly_doescher@yahoo.com Telephone: 505-320-5682

**Breitburn Operating LP, Temporary Pit Closure Report
Libby Minerals LLC 2032 No. 081J (API No. 30-021-20572)
UL J, Section 8, T20N, R32E, NMPM Harding County, NM**

1. The pit will be closed within six (6) months from the date that the drilling or workover rig is released. If necessary, the division district office may grant an extension not to exceed three (3) months. **The drilling rig was released 9/29/2015. The pit remained open pending completion of the well. On 4/12/2016 a three (3) month extension was granted by Santa Fe District NMOC (attached), requiring pit closure by 6/29/2016. Due to economic conditions and weather related delays, the pit was closed 10/25/2017.**
2. Surface owners will be notified by Certified Mail at least 72 hours but not more than one week prior to closure of the temporary pit. The notice shall include well name, API number and location. **Surface owner was notified verbally prior to pit closure. Reference attached letter confirming notification.**
3. The appropriate Division District Office (OCD) will be notified verbally and in writing at least 72 hours but not more than one week prior to closure of the temporary pit. The notice shall include well name, API number and location. **NMOC (D) was notified verbally of pit closure, written confirmation of closure is attached.**
4. If on-site burial is on PRIVATE LAND, Breitburn Operating LP will file a deed notice identifying the exact location of the onsite burial with the county clerk in county where onsite burial occurs. **Certified Recorded Deed Notice attached.**
5. All liquids from the pit will be removed prior to closure. **Liquids were removed by Pacheco Trucking and Construction and disposed of at the Gandy Marley Inc. Waste Facility (NM-711-1-0019) in the Liquid Stabilization Unit (Permit #B1041)**
6. The pit will be stabilized with clean non-waste earthen material with a ratio no more than 3:1. **Pit was stabilized with non-waste containing earthen material in order to achieve the solidification process. The solidification process was accomplished by using a combination of natural drying and mechanically mixing. Pit contents were mixed with non-waste earthen material to a consistency that is deemed safe and stable. The mixing ratio consisted of approximately 3 parts clean soil to 1 part pit contents.**
7. After stabilization, the contents of the pit will be tested to determine whether concentrations are below standards. A five-point composite sample will be collected. The samples will be sent to an approved laboratory and analyzed for benzene, total BTEX, THP, the GRO and DRO combined fraction and chlorides. Assuming water could be encountered around 100', the following should not be exceeded:
 - Chlorides (determined by EPA method 300.1): 40,000 mg/kg or background concentration, whichever is greater
 - TPH (EPA SW-846 method 418.a or other division approved EPA method): 2500 mg/kg
 - GRO and DRO combined fraction (EPA SW-846 method 8015M): 1000mg/kg
 - BTEX (EPA SW-846 method 8021B or 8260B or other approved EPA method): 50 mg/kg
 - Benzene (EPA SW 846 method 8021B or 8206B or other approved EPA method): 10 mg/kg**A five point composite sample was taken of the pit using sample tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). Results attached.**
8. If the contents are above the concentration limits after stabilization, Breitburn will comply with 19.15.17.13.C (Waste Excavation and Removal). **Not necessary.**
9. If it is determined that contents of the pit don't exceed the above-specified concentrations, the pit will be covered with compacted, non-waste-containing, earthen material. A division-prescribed soil cover will be constructed and the site will be re-contoured and re-vegetated per Subsection D, E, F, G, H of 19.15.17.13 NMAC. **The pit material passed solidification and testing standards. The pit area was then back filled with compacted, non-waste containing earthen material.**

10. All areas associated with the pit that are no longer being used will be substantially restored to the condition that existed prior to well operations by placement of the soil cover re-contouring to match original contours and surrounding topography, and re-vegetating.
This was done – please see attached photographs.
11. If an alternative to the re-vegetation requirements is required to prevent erosion, protect fresh water, or protect human health and the environment, this alternative will be proposed to the surface owner. The proposed alternative, with written documentation demonstrating the surface owner's approval, will be submitted to the division for approval.
No alternative is required.
12. Soil cover will consist of 4' of non-waste containing earthen material with chloride concentrations less than 600 mg/kg including 1' topsoil.
Four feet of non-waste earthen cover was achieved including one foot of suitable material to establish vegetation.
13. All contents, including synthetic pit liners will be buried in place by folding outer edges of the pit liner to overlap waste material, and then installing a geometric liner cover that is 20 mil string reinforced LLDPE, synthetic material, impervious, resistant to ultra violet light, petroleum hydrocarbons, salts, acid and alkaline.
This was done, including placing a 20 mil LLDPE liner cover.
14. Soil cover will be constructed to the site's existing grade and will prevent water erosion of the cover material.
This was done – please see attached photographs.
15. The first favorable growing season following pit closure, all disturbed areas associated with the pit and no longer being used will be seeded or planted.
This area will be re-seeded during the next growing season in this area. Reference attached letter
16. Seeding will be accomplished by drilling on the contour whenever practical, or by other division-approved methods. Vegetative cover will be considered complete when there is a life form ratio of +/- 50% of pre-disturbance levels with at least 70% total plant cover of pre-disturbance level (excluding noxious weeds) or in accordance with 19.15.17.13.H.5.d
This will be done during the next growing season in this area.
17. Seeding or planting will be repeated until the required vegetative cover is successfully achieved.
Breitburn will comply.
18. When conditions aren't favorable for the establishment of vegetation (such as during periods of drought), the division will be contacted for approval to delay seeding or planting, or for approval to use additional cultural techniques such as mulching, fertilizing, irrigating, fencing, etc.
Attached letter.
19. The division will be notified when seeding or planting is completed, and when successful re-vegetation has been achieved.
Breitburn will comply.
20. Place a steel marker at the center of the on-site burial. The marker shall be 4" diameter, at least 4' high and cemented 3' deep.
Please reference attached letter confirming the desire of the surface owner to have no steel marker.
21. Within 60 days of closure completion, a report will be submitted on form C-144 with necessary attachments to document closure activities, including sampling results, a plot plan and backfilling details. In this report, Breitburn will certify that all information is correct and that Breitburn has complied with all applicable requirements and conditions specified in the approved Closure Plan. A plat of the temporary pit location will be provided on form C-102.



May 2, 2017

Hand Deliver by Mr. Buck Pollister

To: Libby Cattle Company, Inc.
400 Libby Road
Bueyeros, NM 88415

**Subject: Breitburn Operating LP
Libby Minerals LLC 2032 No. 081J
API No. 30-021-20572
UL J, Section 8, T20N, R32E, NMPM
Harding County, NM**

Notification to Surface Owner of On-Site Drilling Pit Closure

Dear Mr. Libby,

The purpose of this letter is to confirm that verbal notice was given prior to the closure of the above-mentioned pit. Buck Pollister, on behalf of Breitburn Operating LP, proposed to close the pit and remediate the surface land according to all rules and regulations noted in Subsection E of 19.15.17.13 NMAC beginning October 27, 2016.

Your signature also confirms that you do not wish to have a permanent steel marker placed at the center of the onsite pit burial.

Thank you for your consideration,

Shelly Doescher
Regulatory Agent
Breitburn Operating LP

Signature:

Jr. Libby
President
Libby Cattle Company, Inc.

Date: 05-04-17



BREITBURN

Randy Bayliss, NMOCD
William Jones, NMOCD

Confirmation of On-Site Pit Closures

Closed October 25, 2016

Well: Libby Minerals LLC 1931 Com No. 022N
UL N, Section 2, T19N, R31E, NMPM
1200' FSL, 1500' FWL
Harding County, NM

Closed October 27, 2016

Well: Libby Minerals LLC 2032 No. 081J
UL J, Section 8, T20N, R32E, NMPM
1655' FSL, 1655' FEL
Harding County, NM

Well: Libby Minerals LLC 2032 No. 241K
UL K, T20N, R32E, NMPM
1655' FSL, 1655' FWL
Harding County, NM

Shelly Doescher
Regulatory Agent
Breitburn Operating LP
505-320-5682

*BreitBurn Management Company, LLC
Providing management to BreitBurn Operating L.P., BreitBurn Energy Partners L.P. and Pacific Coast Energy Company LP*



BREITBURN

State of New Mexico

County of Harding

Notice of Pit Closure

In accordance with Section 19.15.17.13.E.4 of the NMOCD, the operator hereby provides confirmation of an on-site burial of a temporary Co2 drilling pit. All rules and regulations of Rule 19.15.17 have been adhered to.

Lease Name ; Libby Minerals LLC 2032
Well No. 081J
API No. 30-021-20572
TWN & RGE T20N, R32E, NMPM Section 8
Unit Letter: J
Footages: 1655' FSL, 1655' FEL
Harding County, NM

IN WITNESS WHEREOF, the recordation notice of Pit Closure/Burial has been executed on the date indicated below by the undersigned.

Breitburn Operating LP

Shelly Doescher
Regulatory Agent

State of New Mexico
County of San Juan

This instrument was acknowledged before me this 7th day of June, 2017 by Shelly Doescher on behalf of Breitburn Operating LP.

June 7th, 2017
Notary Public



HARDING COUNTY, NM
DOCUMENT# 20170402
06/12/17 11:20:57 AM
1 of 1
BY Courtney Mitchell

BreitBurn Management Company, LLC
Providing management to BreitBurn Operating L.P., BreitBurn Energy Partners L.P. and Pacific Coast Energy Company LP

October 21, 2016

BUCK POLLISTER
BREITBURN MANAGEMENT
1264 BUEYEROS
BUEYEROS, NM 88415

RE: LIBBY RANCH

Enclosed are the results of analyses for samples received by the laboratory on 10/20/16 12:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

BREITBURN MANAGEMENT 1264 BUEYEROS BUEYEROS NM, 88415	Project: LIBBY RANCH Project Number: NONE GIVEN Project Manager: BUCK POLLISTER Fax To:	Reported: 21-Oct-16 11:55
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PIT #1	H602354-01	Soil	19-Oct-16 11:20	20-Oct-16 12:14
PIT #2	H602354-02	Soil	19-Oct-16 11:25	20-Oct-16 12:14
PIT #3	H602354-03	Soil	19-Oct-16 11:30	20-Oct-16 12:14

Pit #1 Libby Minerals LLC 1931 Com No. 022N (API No. 30-021-20688)
 Pit #2 Libby Minerals LLC 2032 No. 024K (API No. 30-021-20579)
 Pit #3 Libby Minerals LLC 2031 No. 081J (API No. 30-021-20572)

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BREITBURN MANAGEMENT 1264 BUEYEROS BUEYEROS NM, 88415	Project: LIBBY RANCH Project Number: NONE GIVEN Project Manager: BUCK POLLISTER Fax To:	Reported: 21-Oct-16 11:55
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 PIT #3
 H602354-03 (Soil)

 Libby Minerals LLC 2032 No. 081J
 (API No. 30-021-20572)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	400		16.0	mg/kg	4	6102009	AC	20-Oct-16	4500-Cl-B	
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Organic Compounds

TPH 418.1	<100		100	mg/kg	10	6102103	CK	21-Oct-16	418.1	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6102003	CK	21-Oct-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6102003	CK	21-Oct-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6102003	CK	21-Oct-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6102003	CK	21-Oct-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6102003	CK	21-Oct-16	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	73.6-140		6102003	CK	21-Oct-16	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	6102002	CK	21-Oct-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6102002	CK	21-Oct-16	8015B	

Surrogate: 1-Chlorooctane			99.7 %	35-147		6102002	CK	21-Oct-16	8015B	
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Surrogate: 1-Chlorooctadecane			117 %	28-171		6102002	CK	21-Oct-16	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BREITBURN MANAGEMENT 1264 BUEYEROS BUEYEROS NM, 88415	Project: LIBBY RANCH Project Number: NONE GIVEN Project Manager: BUCK POLLISTER Fax To:	Reported: 21-Oct-16 11:55
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Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6102009 - 1:4 DI Water										
Blank (6102009-BLK1)										
Prepared & Analyzed: 20-Oct-16										
Chloride	ND	16.0	mg/kg							
LCS (6102009-BS1)										
Prepared & Analyzed: 20-Oct-16										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (6102009-BSD1)										
Prepared & Analyzed: 20-Oct-16										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BREITBURN MANAGEMENT
 1264 BUEYEROS
 BUEYEROS NM, 88415

 Project: LIBBY RANCH
 Project Number: NONE GIVEN
 Project Manager: BUCK POLLISTER
 Fax To:

 Reported:
 21-Oct-16 11:55

Organic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6102103 - Solvent Extraction										
Blank (6102103-BLK1)										
Prepared & Analyzed: 21-Oct-16										
TPH 418.1	ND	100	mg/kg							
LCS (6102103-BS1)										
Prepared & Analyzed: 21-Oct-16										
TPH 418.1	5820	100	mg/kg	5000		116	70-130			
LCS Dup (6102103-BSD1)										
Prepared & Analyzed: 21-Oct-16										
TPH 418.1	5550	100	mg/kg	5000		111	70-130	4.73	20	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BREITBURN MANAGEMENT 1264 BUEYEROS BUEYEROS NM, 88415	Project: LIBBY RANCH Project Number: NONE GIVEN Project Manager: BUCK POLLISTER Fax To:	Reported: 21-Oct-16 11:55
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Volatile Organic Compounds by EPA Method 8021 - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD RPD	RPD RPD	Notes
Batch 6102003 - Volatiles									
Blank (6102003-BLK1)									
					Prepared: 20-Oct-16 Analyzed: 21-Oct-16				
Benzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Total Xylenes	ND	0.150	mg/kg						
Total BTEX	ND	0.300	mg/kg						
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	0.0512		mg/kg	0.0500		102		73.6-140	
LCS (6102003-BS1)									
					Prepared: 20-Oct-16 Analyzed: 21-Oct-16				
Benzene	1.99	0.050	mg/kg	2.00		99.4		82.6-122	
Toluene	2.24	0.050	mg/kg	2.00		112		72.9-122	
Ethylbenzene	2.24	0.050	mg/kg	2.00		112		65.4-131	
Total Xylenes	6.76	0.150	mg/kg	6.00		113		73.8-125	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	0.0503		mg/kg	0.0500		101		73.6-140	
LCS Dup (6102003-BSD1)									
					Prepared: 20-Oct-16 Analyzed: 21-Oct-16				
Benzene	1.96	0.050	mg/kg	2.00		97.8	1.67	82.6-122	8.23
Toluene	2.20	0.050	mg/kg	2.00		110	1.57	72.9-122	8.71
Ethylbenzene	2.20	0.050	mg/kg	2.00		110	1.80	65.4-131	9.46
Total Xylenes	6.65	0.150	mg/kg	6.00		111	1.70	73.8-125	8.66
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	0.0505		mg/kg	0.0500		101		73.6-140	

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

BREITBURN MANAGEMENT 1264 BUEYEROS BUEYEROS NM, 88415	Project: LIBBY RANCH Project Number: NONE GIVEN Project Manager: BUCK POLLISTER Fax To:	Reported: 21-Oct-16 11:55
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Petroleum Hydrocarbons by GC FID - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6102002 - General Prep - Organics										
Blank (6102002-BLK1) Prepared: 20-Oct-16 Analyzed: 21-Oct-16										
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	35-147			
Surrogate: 1-Chlorooctadecane	62.7		mg/kg	50.0		125	28-171			
LCS (6102002-BS1) Prepared: 20-Oct-16 Analyzed: 21-Oct-16										
GRO C6-C10	192	10.0	mg/kg	200		95.9	76.7-115			
DRO >C10-C28	210	10.0	mg/kg	200		105	78.3-122			
Total TPH C6-C28	402	10.0	mg/kg	400		100	79.8-117			
Surrogate: 1-Chlorooctane	50.1		mg/kg	50.0		100	35-147			
Surrogate: 1-Chlorooctadecane	57.1		mg/kg	50.0		114	28-171			
LCS Dup (6102002-BSD1) Prepared: 20-Oct-16 Analyzed: 21-Oct-16										
GRO C6-C10	186	10.0	mg/kg	200		92.8	76.7-115	3.20	9.42	
DRO >C10-C28	186	10.0	mg/kg	200		93.2	78.3-122	12.0	13.2	
Total TPH C6-C28	372	10.0	mg/kg	400		93.0	79.8-117	7.70	10.7	
Surrogate: 1-Chlorooctane	47.0		mg/kg	50.0		94.0	35-147			
Surrogate: 1-Chlorooctadecane	44.5		mg/kg	50.0		89.1	28-171			

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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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BREITBURN

May 27, 2017

Mr. Randy Bayliss, P.E.
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Re: Pit Cosure

Dear Mr. Bayliss,

Breitburn Operating LP will re-seed the disturbed Pit area for the well listed below. The re-seeding will occur in the next rainy season documented for Harding County, New Mexico approximately August/September 2017.

If you have additional questions please contact me @ 505-320-5682 or shelly_doescher@yahoo.com. Thank you for your time and assistance.

Best regards,

Shelly Doescher
Regulatory Agent

Libby Minerals LLC 1931 No. 081J
API No. 30-021-20572

Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-021-20572
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Libby Minerals LLC 2032
8. Well Number 8-1-J
9. OGRID Number 370080
10. Pool name or Wildcat Bravo Dome

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well Gas Well Other CO2

2. Name of Operator Breitburn Operating LP

3. Address of Operator
 1401 McKinney St., Suite 2400 Houston, TX 77010

4. Well Location
 Unit Letter J: 1655 feet from the South line and 1655 feet from the West line
 Section 8 Township 20N Range 32E NMPM Harding County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
 GR 4753.7'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK PLUG AND ABANDON
 TEMPORARILY ABANDON CHANGE PLANS
 PULL OR ALTER CASING MULTIPLE COMPL
 DOWNHOLE COMMINGLE
 CLOSED-LOOP SYSTEM
 OTHER Permit Extension

SUBSEQUENT REPORT OF:

- REMEDIAL WORK ALTERING CASING
 COMMENCE DRILLING OPNS. P AND A
 CASING/CEMENT JOB
 OTHER: Pit Closure Extension

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Pursuant to NMAC 19.15.17.13 G (2), the rig release date of 09/24/2015 requires pit closure by 03/24/2016. The rule also states that the division district office may grant an extension not to exceed three months. Due to market and economic conditions, Breitburn Operating LP respectfully requests a three month extension, allowing a closure deadline of 06/24/2016.

Spud Date: 09/19/2015

Rig Release Date: 09/24/2016

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Shelly Doescher

TITLE: Agent

DATE: 04/12/2016

Type or print name: Shelly Doescher E-mail address: shelly_doescher@yahoo.com

PHONE: 505-320-5682

For State Use Only

APPROVED BY: *[Signature]*
 Conditions of Approval (if any):

TITLE DO IV

DATE 4/12/16

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-105
Revised April 3, 2017

1. WELL API NO. 30-021-20572

2. Type of Lease
 STATE FEE FED/INDIAN

3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only)

C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

7. Type of Completion:

NEW WELL WORKOVER DEEPENING PLUGBACK DIFFERENT RESERVOIR OTHER

8. Name of Operator Breitburn Operating LP

5. Lease Name or Unit Agreement Name
Libby Minerals LLC 2032

6. Well Number: 081J

9. OGRID 370080

10. Address of Operator
1111 Bagby Street, Suite 1600 Houston TX 77002

11. Pool name or Wildcat

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:										
BH:										

13. Date Spudded 14. Date T.D. Reached 15. Date Rig Released 9/24/2015 16. Date Completed (Ready to Produce) 17. Elevations (DF and RKB, RT, GR, etc.)

18. Total Measured Depth of Well 19. Plug Back Measured Depth 20. Was Directional Survey Made? 21. Type Electric and Other Logs Run

22. Producing Interval(s), of this completion - Top, Bottom, Name

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Bravo Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-021-20572	Pool Code 96010	Pool Name Bravo Dome
Property Code 39772	Property Name LIBBY MINERALS LLC 2032	Well Number 8-1-J
OGRID No. 251905	Operator Name RELIANT EXPLORATION & PRODUCTION, LLC.	Elevation 4753.7'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	8	20 NORTH	32 EAST, N.M.P.M.		1655'	SOUTH	1655'	EAST	HARDING

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
410			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

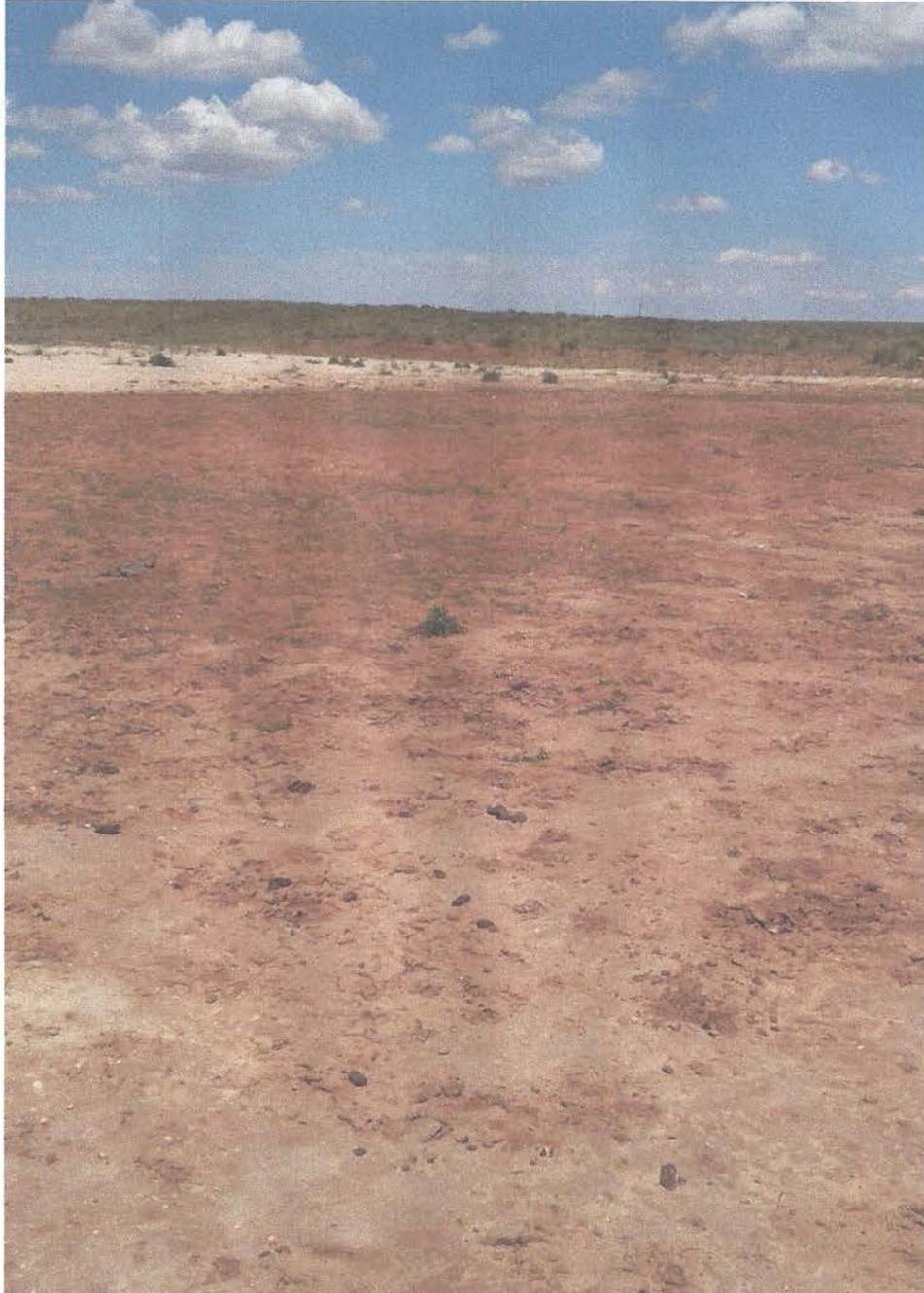
	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><u>[Signature]</u> 5-16-13 Signature Date</p> <p><u>Vance Vanderburg</u> Printed Name</p> <p><u>vance@reliantgas.com</u> E-mail Address</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p><u>[Signature]</u> 4/24/2013 Date of Survey</p> <p><u>[Signature]</u> Signature and Seal of Professional Surveyor.</p> <p>Certificate Number 15079</p>

WO# 130417WL-d (KA)

Libby Minerals LLC 2032 No. 81J
Facing North
Lat 35.97664/Long -103.55952 NAD 83



Libby Minerals 2032 LLC No. 81J
Facing East
Lat 35.97664/Long -103.55952 NAD 83



Libby Minerals LLC 2032 No. 81J

Facing South

Lat 35.97664/Long -103.55952 NAD 83



Libby Minerals LLC 2031 No. 81J
Facing West
Lat 35.97664/Long -103.55952 NAD83

