

**3R-450**

**Monitoring Well Plugging  
Completion Report.**

**Date: 2015**

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. 30-045-26002
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. Fed Lease No. NM013861
7. Lease Name or Unit Agreement Name Dryden
8. Well Number 2E
9. OGRID Number 12807
10. Pool name or Wildcat Basin Basin Dakota

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

2. Name of Operator  
Koch Exploration Company, LLC

3. Address of Operator  
P.O. Box 489, Aztec, NM 87410

4. Well Location  
 Unit Letter I: 1610 feet from the South line and 685 feet from the East line  
 Section 22 Township 28N Range 8W NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
5822' GL

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: Closure Notice for Water Monitoring Wells <input checked="" type="checkbox"/>	

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.

Koch Exploration Company, LLC in accordance with Well Plugging Plan for NMOSE SJ-4131 POD1-POD4, and NMOCD Case No. 3R-450 has plugged the four (4) water monitoring wells under the approved plugging plan.

Bailey Drilling Company completed the work on 7/15/15.

Attached are the NMOSE Plugging Records as submitted.

OIL CONS. DIV DIST. 3

JUL 31 2015

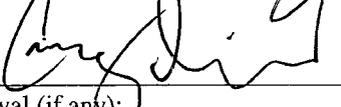
Spud Date: 07/02/1984

Rig Release Date:  

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

SIGNATURE  TITLE Senior Operations Manager DATE 7/31/15

Type or print name Donald Johnson E-mail address: johnso4d@kochind.com PHONE: 505-334-9111

**For State Use Only**  
 APPROVED BY:  TITLE Environmental Spec DATE 8/17/15

Conditions of Approval (if any):





# PLUGGING RECORD



**NOTE:** A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: SJ-4131 POD1

Well owner: Koch Exploration Company, LLC Phone No.: 303-325-2564

Mailing address: 950 17<sup>th</sup> Street, Suite 1900

City: Denver State: Colorado Zip code: 80202

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Bailey Drilling Company
- 2) New Mexico Well Driller License No.: 1357 Expiration Date: 7/31/15
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Mark Bailey
- 4) Date well plugging began: 7/15/15 Date well plugging concluded: 7/15/15
- 5) GPS Well Location: Latitude: 36 deg. 38 min. 37.81 sec  
Longitude: 107 deg. 39 min. 41.43 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 35.72 ft below ground level (bgl),  
by the following manner: Tremie pipe
- 7) Static water level measured at initiation of plugging: 23.53 ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 6/30/15
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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2015 JUL 16 AM 11:01  
 STATE ENGINEER OFFICE  
 ALBUQUERQUE, NM 87103

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft. bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
2'	Top Soil				
	Cement	7.4 gal.	5.9 gal.	Tremie Pipe	Cemented perforated and solid casing to 2' from ground level. Cut off casing and fill with top soil.
42' Depth 35.72					

STATE ENGINEER OFFICE  
 AZTEC, NEW MEXICO  
 2015 JUL 16 AM 11:04

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

**III. SIGNATURE:**

I, Mack Bailey, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Mack Bailey

Signature of Well Driller

7-16-2015

Date



# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

### I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: SJ-4131 POD2

Well owner: Koch Exploration Company, LLC Phone No.: 303-325-2564

Mailing address: 950 17<sup>th</sup> Street, Suite 1900

City: Denver State: Colorado Zip code: 80202

### II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Bailey Drilling Company
- 2) New Mexico Well Driller License No.: 1357 Expiration Date: 7/31/15
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Mark Bailey
- 4) Date well plugging began: 7/15/15 Date well plugging concluded: 7/15/15
- 5) GPS Well Location: Latitude: 36 deg, 38 min, 37.94 sec  
Longitude: 107 deg, 39 min, 41.18 sec. WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 31.76 ft below ground level (bgl),  
by the following manner: Tremie pipe
- 7) Static water level measured at initiation of plugging: 23.87 ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 6/30/15
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

STATE ENGINEER OFFICE  
ALBUQUERQUE, NEW MEXICO  
2015 JUL 15 AM 11:05

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments (“casing perforated first”, “open annular space also plugged”, etc.)
2.00	Top Soil				
	Cement	7.2 gal.	5.18 gal.	Tremie Pipe	Cemented Perforate 4" solid casing to 2.00 ft. from ground level. Cut off casing & filled with top soil.
Total Depth 31.76 ft.					

STATE ENGINEER OFFICE  
 ALBUQUERQUE, NEW MEXICO  
 2015 JUL 16 AM 11:05

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

**III. SIGNATURE:**

I, Mark Bailey, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Mark Bailey

Signature of Well Driller

7-16-2015

Date



# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

### I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: SJ-4131 POD3

Well owner: Koch Exploration Company, LLC Phone No.: 303-325-2564

Mailing address: 950 17<sup>th</sup> Street, Suite 1900

City: Denver State: Colorado Zip code: 80202

### II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Bailey Drilling Company
- 2) New Mexico Well Driller License No.: 1357 Expiration Date: 7/31/15
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Mark Bailey
- 4) Date well plugging began: 7/15/15 Date well plugging concluded: 7/15/15
- 5) GPS Well Location: Latitude: 36 deg. 38 min. 37.73 sec  
Longitude: 107 deg. 39 min. 41.70 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 31.59 ft below ground level (bgl),  
by the following manner: Tremie pipe
- 7) Static water level measured at initiation of plugging: 22.36 ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 6/30/15
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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2015 JUL 16 11:05  
 STATE ENGINEER OFFICE  
 ALBUQUERQUE, NEW MEXICO

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open angular space also plugged", etc.)
2.95	Tap Soil				
	Cement	7.2 gal.	5.16 gal.	Tremie Pipe	Cemented, perforated and solid casing to 2 ft. from ground level. Cut off casing and filled with top soil.
21 Depth 31.59 ft					

STATE ENGINEER OFFICE  
AZTEC NEW MEXICO  
2015 JUL 16 AM 11:05

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

**III. SIGNATURE:**

I, Mark Bailey, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Mark Bailey

Signature of Well Driller

7-16-2015

Date



# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: SJ-4131 POD4

Well owner: Koch Exploration Company, LLC Phone No.: 303-325-2564

Mailing address: 950 17<sup>th</sup> Street, Suite 1900

City: Denver State: Colorado Zip code: 80202

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Bailey Drilling Company
- 2) New Mexico Well Driller License No.: 1357 Expiration Date: 7/31/15
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Mark Bailey
- 4) Date well plugging began: 7/15/15 Date well plugging concluded: 7/15/15
- 5) GPS Well Location: Latitude: 36 deg. 38 min. 37.40 sec  
Longitude: 107 deg. 39 min. 41.63 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 27.52 ft below ground level (bgl),  
by the following manner: Tremie pipe
- 7) Static water level measured at initiation of plugging: 18.90 ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 6/30/15
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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STATE ENGINEER'S OFFICE  
 ALBUQUERQUE, NEW MEXICO  
 2015 JUL 16 AM 11:05

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft. bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments (“casing perforated first”, “open annular space also plugged”, etc.)
2 ft.	Top Soil				
Depth 27.52 ft.	Cement	7 gal.	4.49 gal.	Tremie Pipe	Cemented perforated and solid casing to 2 ft. from ground level. Cut off casing and filled with top soil.

STATE ENGINEER OFFICE  
 AZTEC NEW MEXICO  
 2015 JUL 16 AM 11:05

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

**III. SIGNATURE:**

I, Mark Bailey, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Mark Bailey

Signature of Well Driller

7-16-2015

Date

State of New Mexico  
Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**David Catanach, Division Director**  
Oil Conservation Division



**MARCH 1, 2015**

Mr. Jordan Radin, PE  
Compliance Manager & Regulatory Specialist  
Koch Exploration Company, LP  
950 17th Street, Suite 1900  
Denver, CO 80202

**RE: DRYDEN 2E - GROUNDWATER INVESTIGATION – FINAL REPORT  
KOCH EXPLORATION COMPANY, LLC. - DRYDEN 2E  
NE ¼ OF THE SE 1/4 of SECTION 22, TOWNSHIP 28 NORTH, RANGE 8 WEST,  
NMPM, SAN JUAN COUNTY  
API: 30-045-26002  
OCD CASE NO.: 3R-450**

Mr. Radin:

The Oil Conservation Division (OCD) has reviewed Koch's January 2015 ground water investigation report. This report documents Koch's installation of three soil borings, soil sampling and analyses, and ground water sampling and analyses at the Dryden 2E well site. The report documents that no ground water contamination has occurred. OCD accepts Koch's interpretation that the elevated Total Dissolved Solids (TDS) concentration is naturally occurring at this site.

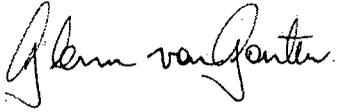
OCD hereby approves Koch's report and request to P&A the monitor wells and to conduct any additional closure activities at the site. OCD will close case 3R-450 in its database. Koch may proceed with the proper plugging and abandonment of any remaining ground water monitoring wells per requirements of the Office of the State Engineer.

This determination by OCD does not relieve Koch of responsibility should future information indicate a threat to ground water, surface water, human health, or the environment. Furthermore, it does not relieve Koch of responsibility for compliance with any federal, state, or local laws and/or regulations.

April 1, 2015  
Page 2

Please contact me at (505) 476-3488 ([Glenn.VonGonten@state.nm.us](mailto:Glenn.VonGonten@state.nm.us)) if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Glenn von Gonten".

Glenn von Gonten  
Senior Hydrologist

Cc: Jim Griswold, Brandon Powell