

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Artec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-104  
Revised August 1, 2011

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

Submit one copy to appropriate District Office

AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

<sup>1</sup> Operator name and Address Read & Stevens, Inc. P.O. Box 1518 Roswell, NM 88202		<sup>2</sup> OGRID Number 18917
		<sup>3</sup> Reason for Filing Code/ Effective Date RC April 25, 2017
<sup>4</sup> API Number 30 - 0 15-10805	<sup>5</sup> Pool Name Happy Valley, Delaware	<sup>6</sup> Pool Code 29665
<sup>7</sup> Property Code 9529	<sup>8</sup> Property Name Hackberry Hills Federal	<sup>9</sup> Well Number #4

**II. <sup>10</sup> Surface Location**

U/I or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	22	22S	26E		2310	North	1980	West	Eddy

**<sup>11</sup> Bottom Hole Location**

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

<sup>12</sup> Use Code	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
F	P				

**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/GAW
34053	Plains Marketing, LP	O
151618	Enterprise Field Services <b>NM OIL CONSERVATION</b> ARTESIA DISTRICT MAY 04 2017 RECEIVED	G

**IV. Well Completion Data**

<sup>21</sup> Spud Date	<sup>22</sup> Ready Date	<sup>23</sup> TD	<sup>24</sup> PBTD	<sup>25</sup> Perforations	<sup>26</sup> DHC, MC
5/12/1966	4/25/2017	10,500'	4802.5'	4760'-4802'	
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
	ON FILE				
	2 7/8" TBG	4740'			

**V. Well Test Data**

<sup>31</sup> Date New Oil	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date	<sup>34</sup> Test Length	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
4/25/2017		5/3/2017	24 hrs	300	280
<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas	<sup>41</sup> Test Method	
-0-	40	150	100	P	

<sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief Signature: <i>Kelly Barajas</i> Printed name: Kelly Barajas Title: Production/Regulatory E-mail Address: kbarajas@read-stevens.com Date: 5/4/2017	OIL CONSERVATION DIVISION Approved by: <i>Raymond H. Godang</i> Title: Geologist Approval Date: 5-30-2017
	Pending BLM approvals will subsequently be reviewed and scanned

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.*

5. Lease Serial No.  
NMLC064490

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.  
HACKBERRY HILLS FEDERAL 4

9. API Well No.  
30-015-10805

10. Field and Pool or Exploratory Area  
HAPPY VALLEY; DELAWARE

11. County or Parish, State  
EDDY COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
READ & STEVENS  
Contact: KELLY BARAJAS  
E-Mail: kbarajas@read-stevens.com

3a. Address  
P. O. BOX 1518  
ROSWELL, NM 88202

3b. Phone No. (include area code)  
Ph: 575-624-3760

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 22 T2S R26E 2310FNL 1980FWL

**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"/> Hydraulic Fracturing	<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 Workover Operations
	<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.

3/15/2017: TIH. Set RBP #2 at 4704'. Dump 2 sxs sand dwn tbg on top of RBP #2. Set cmt retainer at 4523'. Pump 190 sxs Class C Neat followed w/190 sxs Class C w/2% CaCL. Displace w/24 bbls H2O. Max press 955 psi, average press 350 psi, max rate 3 bpm, average rate 1.5 bpm. WOC.  
3/17/2017: TIH. Tag and drill cmt retainer and cmt from 4516'-4660'. Cont to 4691'. Clean out sand to top of RBP #2 at 4704'. Circ well clean. TOH. SDFN.  
3/18/2017: TIH. Tag sand at 4675' and wash dwn to 4704'. Release RBP #2. Tag sand at 4719' and clean out to top of fish at 4823'. Circ wellbore clean. TOH.  
3/20/2017: Ran CBL-CCL-GR-ND log from 4803' to 3800'. Tag at 4803'. Set Arrow Set I pkr at 4657', unloader, SN at 4646', 2 7/8" workstring. Swab well rec 23 bbls fluid.  
3/22/2017: TIH. Tag at 4802.5'. TIH w/perf guns and perforate from 4760'-4802' (2 JSPF). Previously perforated from 4760'-4810' 2 JSPF. Has doubled to 4 JSPF from 4760'-4802'. Frac scheduled for 4/4/2017.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
MAY 04 2017  
RECEIVED

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #374953 verified by the BLM Well Information System For READ & STEVENS, sent to the Carlsbad**

Name (Printed/Typed) KELLY BARAJAS Title REPORT PREPARER

Signature (Electronic Submission) Date 05/03/2017

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

Approved By \_\_\_\_\_ Title \_\_\_\_\_

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 a States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \***

Pending BLM approvals will subsequently be reviewed and scanned

BC 5-30-17  
SUBMITTED \*\*

**Additional data for EC transaction #374953 that would not fit on the form**

**32. Additional remarks, continued**

4/4/2017: Frac w/62,880# of 20/40 Cool Set sand, 1069 bbls of 18# Borate gel pad. Displace w/30 bbls 18# Borate gel. Max rate 21 bpm, average rate 20 bpm, max press 4883 psi, average press 2505 psi, ISIP 831 psi, 5 min SI 546 psi, 10 min 573 psi, 15 min SI 575 psi. Leave well SI overnight for sand to set up.

4/5/2017: Tbg 450 psi, csg 350 psi. Swab 89 bbls fluid.

4/6/2017: Tbg 50 psi, csg 250 psi. Swab 286 bbls fluid.

4/7/2017 - 4/11/2017: Flowback and monitor well.

Report continued on attachment.

HACKBERRY HILLS FEDERAL #4  
NMLC064490  
API #30-015-10805

April 17, 2017: MI. 2 stage compressor. Plumb in lines. Erect 640 - 365 - 144 Lufkin PU.

April 18, 2017: Prep to run production string.

April 19, 2017: SICP - 120#. Blow well dwn to steel pit. RIH w/2 7/8" x 31' BPMA, 2 7/8" x 4' perf'd sub, 2 7/8" OD seating nipple, 4 jnts 2 7/8" tbg, 2 7/8" x 5 1/2" TAC and 145 jnts 2 7/8" tbg. Tag PBTD at 4798'. Pull up and lay down one jnt of tbg. ND BOP. Set TAC with 12,000# tension. NUWH. Receive and rack 7/8" rods. Install rod couplings on rods. RIH w/ 1 1/4" x 20 gas anchor, 2 1/2" x 1 3/4" x 24 pump and 152 - 7/8" rods. EOT @ 4740'. SN @ 4704'. TAC @ 4579'.

April 21, 2017: RIH w/2 1/2" x 1 3/4" x 24' pump, 186 - 7/8" rods, 7/8" x 8' x 6' x 4' pony rods and 1 1/4" x 26' polished steel rod. Seat and space pump. Hang well on. RU reverse unit. Load tubing with 5 bbls 2% KCL water. Pressure up to 500# w/downhole pump. Held okay. RD reverse unit. RDMOSU. MI and set 108 KV generator. Set and run power line from panel box to 30 HP electric prime mover, then from panel box to generator. Set propane and plumb in to generator. Balance unit by removing 2 counter weights. MI and set 3 phase separator. Plumb in WH.

April 22, 2017: Lay 2 7/8" flowline from WH to separator and plumb in at both ends. Plumb in oil dump line to oil tank. Plumb in wtr dump line to wtr tank and run gas line from separator to meter run. Well is producing at report time.

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**WELL COMPLETION OR RE-COMPLETION REPORT AND LOG**

**Bold\*** fields are required.

Section 1 - Completed by Operator	
<b>1. BLM Office*</b> Carlsbad, NM	<b>2. Well Type*</b> OIL
<b>3. Completion Type*</b> Work Over	
Operating Company Information	
<b>4. Company Name*</b> READ & STEVENS, INC	
<b>5. Address*</b> P. O. BOX 1518  ROSWELL NM 88202	<b>6. Phone Number*</b> 575-622-3770
Administrative Contact Information	
<b>7. Contact Name*</b> KELLY _ BARAJAS	<b>8. Title*</b> PRODUCTION/REGULATORY
<b>9. Address*</b> P. O. BOX 1518  ROSWELL NM 88202	<b>10. Phone Number*</b> 575-624-3760  <b>11. Mobile Number</b> _____
<b>12. E-mail*</b> kbarajas@read-stevens.com	<b>13. Fax Number</b> _____
Technical Contact Information	
<input checked="" type="checkbox"/> Check here if Technical Contact is the same as Administrative Contact.	
<b>14. Contact Name*</b> _____	<b>15. Title*</b> _____
<b>16. Address*</b> _____ _____ _____	<b>17. Phone Number*</b> _____  <b>18. Mobile Number</b> _____
<b>19. E-mail*</b> _____	<b>20. Fax Number</b> _____
Surface Location	

Pending BLM approvals will  
subsequently be reviewed  
and scanned  
AC 5-30-17

21. Specify location using one of the following methods:

- a) State, County, Section, Township, Range, Meridian, N/S Footage, E/W Footage, with Qtr/Qtr, Lot, or Tract
- b) State, County, Latitude, Longitude, Metes & Bounds description

<b>State*</b> NM		<b>County or Parish*</b> EDDY		
Section 22	Township 22S	Range 26E	Meridian	
Qtr/Qtr _	Lot # F	Tract # _	N/S Footage 2310 FNL	E/W Footage 1980 FWL
Latitude _	Longitude _	Metes and Bounds		

Producing Interval Location

22. Specify location or

Check here if the producing hole location is the same as the surface location.

<b>State*</b> _		<b>County or Parish*</b> _		
Section _	Township _	Range _	Meridian	
Qtr/Qtr _	Lot # _	Tract # _	N/S Footage _	E/W Footage _
Latitude _	Longitude _	Metes and Bounds		

Bottom Location

23. Specify location or

Check here if the bottom hole location is the same as the surface location.

<b>State*</b> _		<b>County or Parish*</b> _		
Section _	Township _	Range _	Meridian	
Qtr/Qtr _	Lot # _	Tract # _	N/S Footage _	E/W Footage _
Latitude _	Longitude _	Metes and Bounds		

Lease and Agreement

<b>24. Lease Serial Number*</b> NMLC064490		
<b>26. If Unit or CA/Agreement, Name and/or Number</b> _		<b>27. Field and Pool, or Exploratory Area*</b> HAPPY VALLEY; DELAWARE

Well

<b>28. Well Name*</b> HACKBERRY HILLS FEDERAL			<b>29. Well Number*</b> 4			<b>30. API Number</b> 30-015-10805				
<b>31. Date Spudded</b> 05/12/1966		<b>32. Date T.D. Reached</b> 07/06/1966		<b>33. Date Completed</b> 04/25/2017		<b>34. Elevations (DF, RKB, RT, GL)</b> 3404 Ground Level				
				<input checked="" type="checkbox"/> Dry & Abandoned <input checked="" type="checkbox"/> Ready to Produce						
<b>35. Total Depth:</b> MD 10500 TVD 10500			<b>36. Plug Back Total Depth:</b> MD 4803 TVD 4803			<b>37. Depth Bridge Plug Set:</b> MD _____ TVD _____				
<b>38. Type Electric &amp; Other Mechanical Logs Run</b> (Submit copy of each)				<b>39.</b>						
				Was Well Cored? <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit Analysis)						
				Was DST run? <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit Report)						
				Directional Survey? <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit Copy)						
<b>40. Casing and Liner Record (Report all strings set in well)</b>										
Hole Size	Casing Size	Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks.	Slurry Vol. (BBL)	Cement Top	Amount Pulled
17.5	13.375	___	48	916	___	___	500	___	___	___
12.25	9.625	___	36	2600	___	___	800	___	___	___
7.875	5.5	___	17	10500	___	___	800	___	___	___
___	___	___	___	___	___	___	___	___	___	___
___	___	___	___	___	___	___	___	___	___	___
___	___	___	___	___	___	___	___	___	___	___
<b>41. Tubing Record</b>				<b>42. Producing Intervals</b>						
Size	Depth Set (MD)	Packer Depth (MD)	Formation			Top (MD)	Bottom (MD)			
2.875	4740	___	A) DELAWARE			4741	4840			
___	___	___	B) _____			___	___			
___	___	___	C) _____			___	___			
___	___	___	D) _____			___	___			
<b>43. Perforation Record</b>										
Top	Bottom	Size	No. Holes	Perf. Status						
4760	4802	0.41	168	4 JSPF						
4803	4810	0.41	74	2 JSPF						
___	___	___	___	___						
___	___	___	___	___						

44. Acid, Fracture, Treatment, Cement Squeeze, etc.

Top	Bottom	Amount and Type of Material
4760	4802	62,880# 20/40 COOL SET SAND; 1069 BBLs 18# BORATE GEL PAD
4760	4802	ACIDIZE WITH 3004 GALS 15.8% HCL ACID

45. Production Method and Well Status for Production Intervals

Production Method Electric Pumping Unit	Well Status Producing Oil Well
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46. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
04/25/2017	05/03/2017	24	>>>>>	40	100	150		
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
	300	280	>>>>>	40	100	150		

47. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
			>>>>>					
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
			>>>>>					

48. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
			>>>>>					
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
			>>>>>					

49. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
			>>>>>					
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
			>>>>>					

50. Disposition of Gas (Sold, used for fuel, vented, etc.)

Captured
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51. Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.				52. Formation (Log) Markers	
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top (MD)
				CHERRY CANYON	2423
				BRUSHY CANYON	3811
				BONE SPRING	5079

53. Additional remarks (include plugging procedure):



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<b>Section 6 - Internal Review #4 Status</b>		
74. Review Category _____	75. Date Completed _____	76. Reviewer Name _____
77. Comments  		

<b>Section 7 - Final Approval Status</b>			
78. Disposition _____	79. Date Completed _____	80. Reviewer Name _____	81. Reviewer Title _____
82. Comments  			

**INSTRUCTIONS**

**GENERAL:** This form is designed for submitting a complete and correct well completion/recompletion report and log on all types of wellson Federal and Indian leases to a Federal agency, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, and all types electric), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal laws and regulations. All attachments should be listed on this form, see item 33.

ITEMS 24, 22, and 23: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal office for specific instructions.

ITEM 34: Indicate which reported elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

ITEM 40: Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL), or temperature survey (TS).

**PRIVACY ACT**

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.**

**PRINCIPAL PURPOSE:** The information is to be used to evaluate the actual operations performed in the drilling, completing and testing of a well on a Federal or Indian lease.

**ROUTINE USES:** (1) Evaluate the equipment and procedures used during the drilling and completing/recompleting of a well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4) (5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

**EFFECT OF NOT PROVIDING THE INFORMATION:** Filing of this report and disclosure of the information is mandatory once a well drilled on a Federal or Indian lease is completed/recompleted.

The Paperwork Reduction Act of 1995 requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling and completing/recompleting wells on Federal and Indian oil and gas leases.

This information will be used to analyze operations and to compare equipment and procedures actually used with those proposed and approved.

Response to this request is mandatory only if the operator elects to initiate drilling completing/recompleting and operations on an oil and gas lease.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

#### **BURDEN HOURS STATEMENT**

Public reporting burden for this form is estimated to average 60 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer, (WO-630), MS 401 LS, 1849 C Street, N.W., Washington, D.C. 20240.