

OCD-ARTESIA

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. HACKBERRY HILLS FEDERAL 4
2. Name of Operator READ & STEVENS Contact: KELLY BARAJAS E-Mail: kbarajas@read-stevens.com		9. API Well No. 30-015-10805
3a. Address P. O. BOX 1518 ROSWELL, NM 88202	3b. Phone No. (include area code) Ph: 575-624-3760	10. Field and Pool or Exploratory Area HAPPY VALLEY; DELAWARE
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T22S R26E 2310FNL 1980FWL		11. County or Parish, State EDDY COUNTY, NM

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.

Accepted for record - NMOCD
5-31-17

OIL CONSERVATION
ARTESIA DISTRICT

MAY 30 2017

RECEIVED

2nd SR on Delaware Completion

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
Committed to AFMSS for processing by DEBORAH MCKINNEY on 05/04/2017 ()

Name (Printed/Typed) KELLY BARAJAS	Title REPORT PREPARER
Signature (Electronic Submission)	Date

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office		

ACCEPTED FOR RECORD
MAY 16 2016
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.

Operator: Read & Stevens

Surface Lease: LC064490

Case No: LC064490

Subsurface Concerns for Casing Designs: Cap HiCvKst

Well Status: PGW

Spud date: 5/12/1966

Plug'd Date:

Reentry Date:

BHL: LC064490

Lease Agreement

Well: HACKBERRY HILLS FEDERAL-4

API: 3001510805

@ Srfce: T22S-R26E,22.2310n1980w

@ M TD: T22S-R26E,22.2310n1980w

Estate: FVF

CWDW, R of W: 0

OCD Admn Order, date:

Frmtn, Depths, psig:

KB: 3404

GL: 3404

Corr: 0

235 TOC temp, 1" to sfc

05/18/1966

916, 17.5" hole, 13.375" 48# H40 csg, ST&C, Mix 600sx, circ 0sx

05/24/1966

2600, 12.25" hole, 9.625" 36# J55 csg LT&C, Mix 800sx, circ 1sx

Sqz'd 4840, 4710, & 4640-41 perfs w/349sx.

4840 & 4710 held 500psig, 4640-41 held

380psig leaked at 500psig

Sqz'd 4620, 4585, 4555 perfs w/380sx.

4555 held 500psig, 4585 held 300psig, 4620

held 200psig, w/bit at 4803 500-220psig in 10m

Sqz'd perfs above prod perfs leaked post AT

02/22-28/17

<4555-56 #3> pmp 1 1/4bpm at 800psig

02/22-28/17

<4585 #2> pmp 3/4bpm at 600psig

02/22-28/17

<4620 #1> pmp 0.4bpm at 500psig

02/2017

<4640-41 #3> pmp 1 1/4bpm at 800psig

03/10--14/17

<4650, 44467, 4635, 4633> Sqz'd w/190sx 01/15/17

02/11-21/17

<4710 #2> pmp 3/4bpm at 700psig

(4750 Delaware)

03/08-09/17

<4760-810> <4760-802 03/22/17>

02/11-21/17

<4840 #1> pmp 1/4bpm at 600psig, held 500psig post AT, cmmnctd w/prod pr

4827 TOF 2 3/8" (on RBP & Pkr bulldogged & sd covered)

5001 TOC Tag,

(5043 Bone Spring)

02/11-21/17

|<5100> sqz'd w/380sx

02/2017

5490 CIBP w/cmt cap

(7748 Bone Spring)

(8596 Wolfcamp)

8885 TOC temp

02/2017

8967 CIBP w/cmt cap

(9800 Cisco)

(10049 Canyon)

(10116 Strawn)

07/1966

<10061-91>

07/09/1966

|<10120> sqz'd w/200sx C 07/14/1966

(10450 Atoka)

07/13/1966

10500, 7.875" hole, 5.5" 17# N80 LT&C csg, Mix 345, circ 0