

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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 reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM99705
2. Name of Operator HPOC, LLC Contact: BUTCH BUTLER E-Mail: bbutler@highplainsop.com		6. If Indian, Allottee or Tribe Name
3a. Address 32700 ASPEN DRIVE BUENA VISTA, CO 81211	3b. Phone No. (include area code) Ph: 719-395-8059	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T19N R4W NWNE 330FNL 2275FWL 35.898269 N Lat, 107.281021 W Lon		8. Well Name and No. EAGLE SPRINGS 8 FED 2M
		9. API Well No. 30-043-20950-00-S3
		10. Field and Pool, or Exploratory ARENA BLANCA
		11. County or Parish, and State SANDOVAL COUNTY, NM

12. CHECK 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"/> Fracture Treat	<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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<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 recomplete 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

HPOC, LLC is operating with Bond No. NMB 000457.

This well is a dual completion. A PDF with the "as drilled & completed" wellbore diagram was submitted with the 3160-4 Completion Report on June 26, 2014. The completion design is called a "Downhole Water Sink," or DWS. The purpose of the lower completion at the oil/transition zone is to create a pressure sink and prevent water from coning as severely into the upper oil completion.

A PDF is attached to this Sundry with the completion details.

At present, this well is equipped and ready to produce but is shut-in waiting on injection capacity in HPOC's Eagle Springs disposal well, the Eagle Springs 9 Federal #1. No production tests have been run, however we anticipate stimulating the 9 Federal #1 in July 2014 and production testing

OIL CONS. DIV DIST. 3  
JUL 03 2014

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #251282 verified by the BLM Well Information System</b> <b>For HPOC, LLC, sent to the Rio Puerco</b> <b>Committed to AFMSS for processing by JIM LOVATO on 07/01/2014 (14JXL0013SE)</b>	
Name (Printed/Typed) BUTCH BUTLER	Title MANAGER
Signature (Electronic Submission)	Date 06/30/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <b>ACCEPTED</b>	JIM LOVATO Title PETROLEUM ENGINEER	Date 07/01/2014
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 Rio Puerco

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*\* BLM REVISED \*\*

**Additional data for EC transaction #251282 that would not fit on the form**

**32. Additional remarks, continued**

the 8 Federal 2M following this. Production tests will be reported via Sundry Notice.

**Revisions to Operator-Submitted EC Data for Sundry Notice #251282**

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	RCMPL SR	RCMPL SR
Lease:	NMNM99705	NMNM99705
Agreement:		
Operator:	HPOC, LLC 322 N RAILROAD AVE PO BOX 5046 BUENA VISTA, CO 81211 Ph: 719-395-8059	HPOC, LLC 32700 ASPEN DRIVE BUENA VISTA, CO 81211 Ph: 719.935.8059 Fx: 719.395.4046
Admin Contact:	BUTCH BUTLER MANAGER E-Mail: bbutler@highplainsop.com Cell: 719-207-0164 Ph: 719-395-8059	BUTCH BUTLER MANAGER E-Mail: bbutler@highplainsop.com Cell: 719-207-0164 Ph: 719-395-8059
Tech Contact:	BUTCH BUTLER MANAGER E-Mail: bbutler@highplainsop.com Cell: 719-207-0164 Ph: 719-395-8059	BUTCH BUTLER MANAGER E-Mail: bbutler@highplainsop.com Cell: 719-207-0164 Ph: 719-395-8059
Location:		
State:	NM	NM
County:	SANDOVAL	SANDOVAL
Field/Pool:	ARENA BLANCA ENTRADA SE	ARENA BLANCA
Well/Facility:	EAGLE SPRINGS 8 FEDERAL 2M Sec 8 T19N R4W Mer NMP NWNE 330 FNL 2275FEL 35.898269 N Lat, 107.281021 W Lon	EAGLE SPRINGS 8 FED 2M Sec 8 T19N R4W NWNE 330FNL 2275FWL 35.898269 N Lat, 107.281021 W Lon

This document contains the completion details for HPOC's Eagle Springs 8 Federal 2M well. It accompanies BLM Form 3160-5 Sundry Notice submitted to the BLM on June 30, 2014.

The well had two phases of completion. Details from each phase follow.

#### Completion phase one from December 10-12, 2013.

1. **Move-in rig and run GR-CCL for correlation with open-hole logs.** MIRU Aztec Rig #395. ND WH. NU BOP. MIRU Weatherford WL trk. Ran Gamma Ray/CCL fr/surf – 5,713'. POH.w/WL. RDMO Weatherford WL trk. Weatherford GR 16' lower than Halliburton open-hole logs run 2/5/13.
2. **Run Completion Assembly.** PU & TIH w/2-3/8" BP, swell pkr assembly (2 swells on 1 jt 2-3/8"), 2ea jts 2-3/8" tbg, 4-1/2" x 2-3/8" T-2 on/off tl, 4-1/2" x 2-3/8" hydraulic set (straight pull w/40k shear) Tubing Anchor Catcher (TAC), 1ea jt 2-3/8" tbg, 1ea 2-3/8" x 4' pup jt, 78ea jts 2-3/8" tbg, 2-3/8" – 2-7/8" XO & 96ea jts 2-7/8" tbg. MIRU Weatherford WL trk. RIH w/GR-CCL & corr to previous depth fr 12/10/13. Set top of upper swell @ 5,580', which correlates to 5,564' on Halliburton open-hole logs (16' depth shift). POH w/WL. RDMO Weatherford WL trk. Drop 1-3/4" dissolvable ball (30 minutes) to set TAC. Attempted to load tbg to pump off ball w/o success. Pmp'd 10+ bbls w/no pressure. Decided to shut down due to cold weather and possible frozen water column in tbg string in the AM if load hole with water.
3. **Hydraulic shear set TAC won't set.** MIRU High Tech press trk. Load tbg & pressure up to 3,500 psi (hydraulic shear set @ 3,075 psi on TAC). Bled of press. Pulled tbg up 20' w/no additional weight pulled. Re-positioned tbg. RU swb tls. RIH w/no-go to SN. Tbg clear. POH w/no-go. RD swb tls. Load & pressure up tbg to 3,500 psi for 15 mins. Increased press to 4,000 psi for 5 mins (no shear). Increased press to 4,500 psi (no shear). Bled of press. RU swb tls. Swb fluid out of 2-7/8" tbg. RD swb tls. Attempted to TOH w/tbg. Moved 14' and pulled 20k over string weight (anchor partially set & stuck on csg collar). Wrk'd tbg to 70k w/o success (3 hrs). After discussion the decision was made to work tbg back to original setting depth & land tbg (5,492'). Landed tbg w/donut. ND BOP. NU WH. RDMO AWS Rig #378. Will allow at least 2 weeks for packers to swell & then bring rig back to continue at the same point of the procedure & complete job.
4. **Depth adjustment.** After review of all past and current logs and casing & tubing tallies, it was determined that the depth of the completion string was shifted down 11' from the Halliburton open-hole logs and shifted up 5' from the Weatherford GR-CCL logs. These adjusted depths were reported in the completion report and are reflected in the wellbore diagram submitted.

#### Completion phase two from January 7-10, 2014.

1. **Pull equipment above TAC.** MIRU AWS Rig #746. ND WH. Pulled donut fr/WH. Pulled 5k over string weight w/no movement. Sat down 5k w/no movement. Rotate pipe to the right & "J" off hydraulic set TAC (swell packers held in place). TOH w/96 ea jts 2-7/8" tbg, XO, 78 ea jts 2-3/8" tbg, 2-3/8" x 4' pup jt & 1 ea jt 2-3/8" tbg.
2. **Run bottom of completion long string for water sink side of completion.** PU & TIH w/2-3/8" x 4-1/2" J-tool, 2-3/8" x 6' tbg sub, 1 ea jt 2-3/8" tbg, 4-1/2" TAC w/downhole swivel section attached @ 35k shear, 78 ea jts 2-3/8" tbg, 2-3/8" – 2-7/8" XO & 96 ea jts 2-7/8" tbg. Tag'd @ 5,504' (original hydraulic set TAC). Latch on w/J-tool & set 4-1/2" TAC w/5k tens @ 5,457'. Release upper on-off tool. TOH

w/96 ea jts 2-7/8" tbg, XO, 78 ea jts 2-3/8" tbg. PU & TIH w/2-3/8" x 4-1/2" on-off tool w/J-slots cut out, 78 ea jts 2-3/8" tbg, XO, 3-1/2" x 2-7/8" no turn tool, PCP Stator & 2 ea jts 2-7/8" tbg.

3. **Run top of completion long string for water sink side of completion with velocity & capillary strings for oil side of completion.** TIH w/96 ea jts 2-7/8" tbg along w/3/4" N2 lift nozzle on 1-1/2" poly flow tbg (2,903') & 3/8" cap string (2,903'). Banding poly flow & cap string to the O.D. of 2-7/8" prod string (2 bands per jt). Assembled B-2 adapter flange. Landed all 3 strings w/B-2 adapter flange (threaded for each string & off set cut). NU WH.
4. **Run PCP rotor and rods, PCP drivehead.** PU & TIH w/rotor, 118 ea 7/8" guided rods, 4 ea 7/8" pony rods (6', 4', 2' & 2'). Installed drive unit & spaced out rods 36" above tag bar. SWI. RDMO AWS Rig #746.

Well left ready to proceed with electrical & wellhead/flowline installation.

# Eagle Springs 8 Federal 2M

330' FNL, 2275' FEL, Sec 8-T19N-R4W Sandoval County, NM  
 API: 30-043-20950

Wellbore Diagram Following January 2014 Operations  
 with Downhole Water Sink Completion

Revision date: June 13, 2014

