

April 25, 2011

New Mexico OCD - District 2
1301 W. Grand Avenue
Artesia, NM 88210

Re: Sand Hills SWD #1 30-015-29104
Well completion dtd 1/11/2011

When filing on-line C-115 a message appeared noting a problem with the subject well. It indicated a completion report was required. The 3160-4 was filed with the BLM and accepted for the record January 29, 2011. A copy of that accepted filing is included here.

It appears that the API number was omitted on the completion report. It has been penciled-in onto the attached copy. That is probably why the completion report has not appeared in the well file.

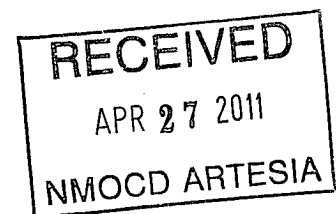
Should other action be required to provide the data, please advise. Thank you.

Respectfully submitted,



Kay Havenor

Enclosure: 3160-4



OPERATOR'S COPY

Form 3160-4
(April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☒ Other b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other <u>SwD re-entry of P&A</u>		5. Lease Serial No. <u>NM SWD-1182 LC-28936D</u>
2. Name of Operator <u>Havenor Operating Company</u>		6. If Indian, Allottee or Tribe Name
3. Address <u>904 Moore Ave Roswell, NM 88201-1144</u>		7. Unit or CA Agreement Name and No.
3a. Phone No. (include area code) <u>575-626-4518</u>		8. Lease Name and Well No. <u>Sand Hills SWD #1</u>
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface <u>660' FSL & 2220' FEL Sec. 31, T17S-R30E</u> At top prod. interval reported below At total depth <u>Same as above</u>		9. AFI Well No. <u>30-015-29104</u>
14. Date Spudded		10. Field and Pool, or Exploratory <u>SwD, Devonian</u>
15. Date T.D. Reached		11. Sec., T., R., M., on Block and Survey or Area
16. Date Completed ☐ D & A ☐ Ready to Prod.		12. County or Parish <u>Eddy</u>
17. Elevations (DF, RKB, RT, GL)*		13. State <u>NM</u>

18. Total Depth: MD TVD <u>Orig 13600'</u>	19. Plug Back T.D.: MD TVD <u>12856'</u>	20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <u>No new e-logs run</u>		22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
tie-in cut	5-1/2 K	14	Surface	1999		265 class C		Surface	

24. Tubing Record								
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
3-1/2	12939	12939	5-1/2	12939				

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Siluro-Devonian	12290	PB 12856	12449 - 12668 (net 86')	0.5	344	New perfs
B) Siluro-Devonian orig Op			12720 - 12751	0.5	187	Original perfs
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.	
Depth Interval	Amount and Type of Material
<u>12449 - 12751</u>	<u>20,000 gal HCl 15%</u>

28. Production - Interval A									INWOOD ARTES
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			➔						SWD Injection
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	ACCEPTED FOR REC
			➔						

28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						JAN 29 2011
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						 BUREAU OF LAND MANAGEMENT

*(See instructions and spaces for additional data on page 2)

RECEIVED

APR 27 2011

NMOOD ARTECIA

ACCEPTED FOR RECORD

JAN 29 2011

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

SWD-1182

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

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

30. 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.

31. Formation (Log) Markers

All reported by original operator (EOG)

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

32. Additional remarks (include plugging procedure):

Sqz original Bone Springs perfs 7766-7834 twice w/total 250 sxs. Sqz leaking DV tool (from orig drilling) @8843' w/300 sxs. Sqz original Morrow perfs 11011-11016' w/50 sxs. Csg tested OK after each plug drilled and each squeeze. Final MIT witnessed and approved by OCD-12/21/10.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full-set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Kay HavenorTitle Geologist

Signature

Kay HavenorDate 01/11/2011

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.