

OCD-ARTESIA

Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resvr.,
 Other SwD re-entry of P&A

5. Lease Serial No.
NM SWD-1182 LC-28936D

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator **Havenor Operating Company**

8. Lease Name and Well No.
Sand Hills SWD #1

3. Address **904 Moore Ave Roswell, NM 88201-1144**

3a. Phone No. (include area code)
575-626-4518

9. AFI Well No.
30-015-29104

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface **660' FSL. & 2220' FEL Sec. 31, T17S-R30E**

At top prod. interval reported below

At total depth **Same as above**

10. Field and Pool, or Exploratory

11. Sec., T., R., M., on Block and Survey or Area

12. County or Parish **Eddy** 13. State **NM**

14. Date Spudded

15. Date T.D. Reached

16. Date Completed

D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*

18. Total Depth: MD

TVD Orig 13600'

19. Plug Back T.D.: MD

TVD 12856'

20. Depth Bridge Plug Set: MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

No new e-logs run

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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
tie-in cut	5-1/2 K	14	Surface	1999		265 class C		Surface	

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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

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
12449 - 12751	20,000 gal HCl 15%

28. Production - Interval A

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	<div style="border: 2px solid black; padding: 10px; display: inline-block;"> ACCEPTED FOR RECORD JAN 29 2011 </div>
			→						

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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	<div style="border: 2px solid black; padding: 10px; display: inline-block;"> ACCEPTED FOR RECORD JAN 29 2011 </div>
			→						

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

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 CARLSBAD FIELD OFFICE

SWD-1182

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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 perms 7766-7834 twice w/total 250 sxs. Sqz leaking DV tool (from orig drilling) @8843' w/300 sxs. Sqz original Morrow perms 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 Havenor Title Geologist
 Signature *Kay Havenor* Date 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.