

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

SF-078095A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Horton #1A

9. API Well No.

30-045-2195500SI

10. Field and Pool, or Exploratory Area

Blanco-Mesaverde, Basin-Dakota

11. County or Parish, State

San Juan, New Mexico

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Hallador Petroleum, LLP

3a. Address

1660 Lincoln St., Suite 2700, Denver CO 80264

3b. Phone No. (include area code)

303 839-5504

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1850' fnl, 1690' fel Sec 7 T31N R11W

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

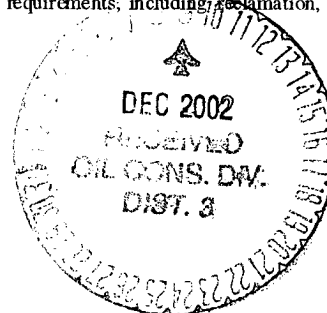
- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <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 Operations (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 recompleate 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 recompleation 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.)

See attached history.



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

Name (Printed/Typed)

Timothy Lovseth

Title

Manager of Exploration and Geology

Signature

Date

November 25, 2002

THIS SPACE FOR FEDERAL OR STATE 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

Title 18 U.S.C. Section 1001, 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.

(Instructions on reverse)

NMOC

DEC 05 2002

FARMINGTON FIELD OFFICE

10/25/02	Move rig to location. Spot in equipment. Run hard lines.
10/28/02	Check well psi. Blow casing to tank. Drop 50 psi. Pump 30 bbls. 2% KCL down casing. Install BOPE. Well unloading soap & water to rig tank. Pump 40 bbls. 2% KCL down casing. RU tubescope. TOH inspecting tubing. 75 stands good. Lay down 9 scaled up joints (308.17'). RD tubescope. Spot float with work string. Strap and TIH with 4-3/4" mill tooth bit, 2-7/8" sub with float, six 3-1/2" collars, one joint 2-3/8" tubing, one 2-3/8" float and 13 joints tubing. SWIFN.
10/29/02	Blow down well. Strap, rabbit, pick up and TIH with 127 joints of 2-3/8" L-80 tubing to 4375'. Shut down with tool string above Measverde perms. Shut down because of bad weather.
10/30/02	Roads muddy. Spot equipment and RU air foam unit and blooie line. TIH to 5800'. Unload water with air unit. TIH to 7175' and tag bottom. RU power swivel. Unload water with air unit and start foam. Drill 20', very soft. Make connection and drill another 21' and circulate well bore with foam. Blow dry with air. TOH with 70 stands of tubing to 2852' (40' above the liner top). SWIFN.
10/31/02	Blow down well. TIH to 7216'. Unload well with air foam. Lower tubing to 7264'. Tag bottom. Attempt to drill. Pull up 2' off packer. Circulate well. TOH with tool assembly. Lay down collars and bit. Well flowing. Pump 30 bbls KCL down casing. TIH to above the liner top with mill shoe, six 3-1/2" collars, one float, and 43 stands of tubing. SWIFN. Probably losing air into formation.
11/1/02	Blow down well. TIH with mill shoe and collars. Tag packer. Ready to start foam when air compressor died. Found plugged fuel filters. Change filters and primed engine. Start air foam. Foam to surface in hour. Start milling packer at 10:40 a.m. Foam unit set at 12 bbls of water per hour with 2 gal per 10 bbls of water. Packer loose at 12:45 p.m. Hard kick from the Dakota. Let well blow for 1 hour. No decrease in flow. RU rig pump. Pump 160 bbls of KCL down the tubing. Well would not kill. Trip mill shoe, wash pipe and collars to 2726' (73' above liner top). Run lines to flow well. Start flowing well at 1 mmcfpd with 600 psi on casing. Flexible hose blew off production equipment. SWIFN.
11/2/02	Well flowing 1.2 mmcfpd to sales. Pump 250 bbls 2% KCL down casing. TOH with 20 stands of casing. Well blowing hard. Shut down and wait on KCL. Open well to sales. Flowing well at 525 mcfpd and 210 psi casing. Pump 130 bbls KCL and continue pumping 1.2 bpm while TOH with 23 stands to string float. Well flowing again. SD and wait on KCL. Well flowing 265 mcfpd to sales. Pump 250 bbls KCL down casing. Pull float, one joint 2-3/8", six 3-1/2" collars, wash pipe and mill shoe. Found packer elements, retaining ring and 6' section of packer in wash pipe. While pumping 1.2 bpm, TIH with string float and 251 joints of tubing. Tag PBTD at 7498.86'. Lay down 6 joints of tubing. SWIFN.
11/5/02	Open casing to sales at 1.2 mmcfpd. Pull pressure down to 240 psi. Open to tank. Pull down to 180 psi. Start unloading water. Turn back to sales immediately. Let water fall back down casing. Open choke. Set flow at 1.1 mmcfpd. Strip 214 joints of 2-3/8" work string through head and lay down. Flowing pressure on casing 350 psi. Left well flowing overnight. Release air foam unit.
11/6/02	Well flowing 1.2 mmcfpd. Pump 250 bbls 2% KCL down casing. Continue pumping at 1.5 bpm while TIH with pump out plug, one joint 2-3/8" tubing (34.55'), Model "R" packer (6.84'), one joint 2-3/8" tubing (34.55'), one Baker non ported "F" nipple (1/10') and 221 joints 2-3/8" tubing (7261.74'). Land model "R" packer with 23,000 pounds compression at 7316.23 KB. Bottom of tubing at 7350.78' KB. SN at 7274.84 KB. NDBOP. NUWH. Pump 15 bbls KCL down tubing. Wait 20 minutes. Pump 15 bbls KCL to push out plug. RU swab. Tag fluid at 4150'. Pull from 6150'. Recover 34 bbls of fluid to rig tank. Turn well to sales. Well flowing 1.2 mmcfpd with 520 psi tubing pressure.