

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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.

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 ext. 317

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

1850' fml, 1690' fel Sec 7 T31N R11W

5. Lease Serial No.

SF 078095A

6. If Indian Allottee or Tribe Name

7. If Unit of 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

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"/> Other |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

DHC DK/MY

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 zone. 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 on Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator is determined that the site is ready for final inspection.)

RCVD SEP 10 '07
OIL CONS. DIV.

DIST. 3

See attached history. Recompleted and returned to production as a commingled Mesaverde/Dakota well on 4/20/05.

DHC 3357

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

Name (Printed/Typed)

Timothy Lovseth

Title

Exploration Manager

Signature

Date

August 28, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

SEP 04 2007

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

FARMINGTON DISTRICT OFFICE
BY

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

Operations Summary Report

Legal Well Name: HORTON 1A
 Common Well Name: HORTON 1A
 Event Name: WORKOVER
 Contractor Name:
 Rig Name:

Start: 3/30/2005 Spud Date: 1/20/1976
 End: 4/20/2005
 Rig Release: Group:
 Rig Number:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/30/2005	07:00 - 17:30	10.50				MIRU workover rig Start flw'g well to prod RU SU. Run hard line to rig pit. Start blw'g dwn tbg & csg Clean up BOP. Change out pipe rams Well flw'g @ 25# to tank thru 2" Run pmp lines Pmp 10 bbls 2% KCL dwn tbg. NDWH NU BOP. Open csg to ng tank. Set up ng floor. PU on tbg & pull donut thru BOP Remove donut. Attempt to release Model "R" packer Would not release. Work tbg pulling 50K Packer would not pull free Left tbg in 16K tension. SWIFN
3/31/2005	07:00 - 19:30	12.50				Blw dwn csg Work tbg pulling 50K Pkr still stuck Blw dwn tbg RU SL Run over shot to retrieve bumper spring FL @ 4300' Latched onto spring Could not unseat Check valve in bumper spring Pull off & TOH RD SL RU WL TIH w/ freepoint tool Check tool @ 2000'. Run in & tag @ 7283' WLM Pull up to 6000' & calibrate FP tool. Run back to SN depth & run FP fr/ SN to 7180' Tbg free TOH. Run chem cutter. Cut off tbg @ 7259' (15 above SN). TOH. RD WL TOH w/ 100 stds & 1 cut jt TIH w/ overshot, bumper sub, jar, (6) 3-1/2" DCs, accelerator, X-over sub & 107 stds tbg Latch onto fish Jar fish @ 50K 3 times, 55K 6 times & 60K 5 times. On 6th try while lowering tbg to re-cock jar, lost 8' & 10K on wt. indicator to 50K & jar went off 20 sec later Work tbg back up 8'. Back off of fish Pull 10 stds tbg. SWIFN.
4/1/2005	07:00 - 19:00	12.00				Blw dwn csg. TIH w/ 10 stds Latch onto fish & jar pulling 60K f/ 1 hr. Pkr did not move. Back off fish & TOH w/ tbg & tool string Run cable on rig f/ power swivel MI air equip. PU & TIH w/ tool string (WP shoe, 2 jts WP, bumper sub, jar (6) DCs, accelerator & X-over) & 107 stds tbg Tag @ 7266', 27' fill above pkr. LD 2 jts tbg Start pmp'g air to unload wtr. Problems w/ air comp. Would not build over 800#, relief valves popping off. Took air jammer 1 hr to find bypass open Close by-pass Press up to 1100#, in 20 min press fell back to 750# Start to unload wtr to rig tank Compressor dwn Fuel problems LD swivel & TOH w/ 75 stds tbg Tool string out of liner. SWIFN 20 BW unloaded to rig tank
4/2/2005	07:00 - 19:30	12.50				SITP 260#, SICP 260#. Blw well dwn. TIH w/ 75 stds tbg Tag sand/ scale @ 7266'. LD 2 jts tbg Blw well around w/ air Start foam @ 11 bph rate With foam @ surf, lower tbg & wash over & clean out to 7293'. Pull up 2' & circ sand & scale out of well. SD foam & blw well dry TOH w/ tbg & tool string LD 2 jts 4-1/2" WP. TIH w/ overshot tool string. Latch onto fish Jar pulling 60K f/ 1-1/2 hrs. Fish did not move Back off fish Pull 85 stds tbg Tool string above liner SWIFWE.
4/3/2005	06:00 -					SDFWE
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4/5/2005	08:00 - 10:00	2.00				Service workover rig SITP 275#, SICP 275#. Blw well dwn
	10:00 - 15:00	5.00				TOH w/ 31 stds tbg & tool string LD overshot Run washpipe, tool string & tbg. Work WP over fish & tag pkr @ 7295'. PU 2' & blw well around to unload water (40 bbls). Start foam @ 13 bph rate. Lower swivel to start milling on pkr. Torque adjustment on swivel malfunctioning.
	15:00 - 17:00	2.00				Wait on mechanic.
	17:00 - 18:10	1.17				TOH w/ 25 stds tbg Tool string above liner top. SWIFN. Mechanic repairing swivel
4/6/2005	07:00 - 19:30	12.50				SITP 275#, SICP 275#. Blw well dwn. TIH w/ WP, tool string & 75 stds 2-3/8" tbg. Start to unload well w/air. SD 1 hr waiting on diesel for air foam unit. Blw well around Start foam @ 13 bph rate Lower swivel & start milling w/ 1100# torque & 2K on mill shoe Tbg binding & sticking @ 7305'. Continue working free & milling for 15 min Gain 1' & mill shoe broke thru & moved dwn hole another 10' Set dwn solid @ 7316'. Mill for 20 min Tbg stuck Pull 50K on tbg to jar free. Set back dwn & mill for

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 Rig Number: Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/6/2005	07:00 - 19:30	12.50				15 min, 3" from solid tag point & tbg stuck Pull up. Tbg dragging 4K over for 34'. Set back down 10' & start stacking Pkr possibly in mill shoe Stop swivel & unload sand & scale w/ foam Blw dry & TOH slowly w/ tbg Pkr not recovered. LD WP PU overshot TIH w/ fishing tool string & 3 stds tbg SWIFN
4/7/2005	06:00 - 18:00	12.00				SITP 285#, SICP 285# Blw well down Continue TIH w/ fishing tool string. Latch fish Top of packer at 7,316' KB Jar on fish for 2-1/2 hrs pulling 60K No movement. Back off fish and TOOH. Pick up packer mill-over BHA (4-5/8" shoe, 2 jts WP, bumper sub, collars, and jars) TIH with same. Tag solid at 5,982' KB Pick up swivel and attempt to work thru Pull free w/ jars. TOOH. Leave BHA and 3 stds tubing hanging for kill string. SWIFN.
4/8/2005	07:00 - 20:00	13.00				SITP 300#, SICP 300# Blw well down. Pull kill string. Change out pipe rams TIH w/ 4-3/4" cone bit, 4-3/4" watermelon mill, bit sub, bumper sub, jars, six collars, accelerator, crossover, and 2-3/8" tbg. TOOH laying down 52 jts tbg for singles to pick up. TIH strapping tubing Tag at 4,672' KB PU swivel Establish circ w/ air-foam Start drilling scale Shut down to wash out air-foam radiator. Continue drilling Drill in and out of hard scale to 5,163' KB. Total progress 491'. POOH above TOL SDFN
4/9/2005	07:00 - 18:30	11.50				SITP 295#, SICP 295# Blw well down TIH Tag at 5,163' KB PU swivel Establish circ w/ air-foam. Drill in and out of hard scale to 5,642' KB Tbg drop free. LD swivel TIH Work thru several tight spots Tag top of fish (tbg stub) at 7,249' KB. Blow well dry w/ air. TOOH w/ tbg & BHA P/U 4-5/8" mill shoe, WP, and remaining BHA for packer mill-over BHA TIH w/ 35 stds. SDFWE
4/10/2005	06:00 -					SWIFWE
4/11/2005	06:00 -					SWIFWE
4/12/2005	07:00 - 20:00	13.00				SITP 290#, SICP 290# Blw well down. TIH w/ tool string, WP & tbg. Tag scale @ 7249' Change out snipping head rubber. Crimp 1 jt tbg w/ pipe rams LD jt Break circ w/ foam Start milling on scale w/ 4-5/8" shoe Made 1'6" in 2 hrs then started milling faster. Made 10 in 3 hrs Last hr made 6". Total cleanout = 12' (7260'). Blw well dry Pull up to string float Bleed down tbg TOH above TOL SWIFN.
4/13/2005	07:00 - 19:30	12.50				SITP 300#, SICP 300# Blw well down. TIH w/ mill shoe, WP & tool string Tag scale @ 7277' KBM Break circ w/ foam With soap @ surf start milling scale. Mill to 7315' KBM Tbg started turning free Very little torque. Set 4K on mill. Still free. Run mill w/ 4K f/ 30 min. PU & set 2K on mill shoe f/ 15 min Lost 4K string wt(?). Pull tbg up 8' Gain string wt Set down 2' & start stacking. Pull back up. Start working tbg Binding & sticking Work back down to 7315' KBM Pull up & tbg dragging. TOH w/ tbg, tool string, WP & mill shoe Packer not stuck in shoe Cut right worn on inside, 3" up & all the way up outside of 4-5/8" shoe No wear on abse of cut right TIH w/ 4-3/4" cut right on 4-1/2" mill shoe, WP, tool string & 2 stds tbg SWIFN
4/14/2005	07:00 - 20:30	13.50				SITP 300#, SICP 300# Blw well down TIH w/ 4-3/4" mill shoe, WP tool string & tbg Tag @ 7270' RU swivel Blw well around Start foam Mill over to 7315' in 5 min Mill f/ 3-1/2 hrs Gain 2' to 7317' Pull up 10'. Attempt to set back down. Tbg stacking out Work tool string until 4:30pm Tbg would not drop down Set 8K on mill shoe, turning tbg w/ minimal torque TOH w/ tbg, tool string, WP & 4-3/4" mill shoe Slight drag when 1st started out. Clear in 2 stds Check mill shoe. Minimal wear on face & 3/4" up the outside of shoe. TIH w/ 4-1/2" mill shoe, WP,

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Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/14/2005	07:00 - 20:30	13.50				tool string & 2 stds tbg SWIFN.
4/15/2005	07:00 - 17:00	10.00				SITP 290#, SICP 290#. Blw well dwn. TIH to 7241'. Tag top of fish. Work mill shoe over fish & tag pkr @ 7299'. Blw well around w/ air. Start foam. Mill to 7302' PU 10' to clean out. Lost 2' Mill 30 min PU 10' to clean out. Lost 3' Lost total of 13' Pull up tbg & blw well dry. TOH w/ tbg, tool string, WP & shoe. Very little wear on shoe. TIH w/ over shot, bumper sub, jar, 6 DCs, accelerator, XO sub & 35 stds 2-7/8" tbg SWIFN Tally top row of 2-7/8" tbg
4/16/2005	07:00 - 15:00	8.00				SITP 295#, SICP 295#. Blw well dwn. FTIH w/ 2-3/8" tbg, X-over & 92 jts 2-7/8" tbg. Blow well around w/ air. Lower tbg & tag top of fish @ 7236' KB. 50K on string wt. Work overshot onto fish. Set 12K on tool string to cock jars. Pull 65K on tbg, 15K over string wt. Set off jars & lost 7K down to 58K. Cock & set off jars f/ 125' (4 jts) Pull slowly OOH dragging 10-15K over string wt to 4500'. Free to liner top. TOH w/ tbg, tool string, overshot, 1 cut-off jt, 1 jt 2-3/8" tbg, Model "R" pkr & tail jt of 2-3/8" tbg. ALL FISH RECOVERED Found hvy scale 7' up jt just above pkr. Top section of pkr (milled dwn 3") had broken loose & was spinning free.
	15:00 - 17:30	2.50				TIH w/ 4-3/4" cone bit, watermelon mill, tool string & 2 stds 2-3/8" tbg SWIFWE. Lock dwn rams, chain out tbg. Clean location SDFWE.
4/17/2005	06:00 -					
4/18/2005	07:00 - 19:30	12.50				SITP 305#, SICP 305#. Blow well dwn. TIH w/ bit, bumper sub, jar, 6 DCs, accelerator, X-over sub, bit sub, watermelon mill & 2-3/8" tbg NU power swivel, unload well w/ air, broke over @ 1000 psi. Start foam circ Dril fr/ 7450' to PBTD 7498'. Circ well clean w/ foam, unload w/ air. RD swivel TOH w/ 2-3/8" tbg & tools TIH w/ 2-3/8" tbg kill string to 882' (14 stds). SWIFN.
4/19/2005	07:00 - 18:30	11.50				SITP 290#, SICP 290#. Blow well dwn TOH w/ 882' 2-3/8" tbg kill string. RU 1/4" CTU RIH w/ prod string as follows. (1) 2-3/8" collar SN 222 jts 2-3/8" tbg (7303') EOT @ 7303' RIH w/ coil tbg as follows. (1) 1/4" mandrel 7302' of 1/4" coil tbg (1) 1/4" compression coupling (222 bands, below flange) EOCT @ 7302' NOTE. tagged csg liner lightly @ 2902' while TIH. RD CTU PU ng floor ND BOP. ND ng pit & pmp. PU tools & equip SWIFN.
4/20/2005	07:00 - 10:30	3.50				Blw well dwn to repair leak on 1/4" coil tbg fitting on tbg bonnet. RD, PU location. Move to Lindnth #13