

Idaho Department of Land
SUNDRY NOTICES AND REPORTS ON WELLS

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Well Permit Number 11-075-20022
2. Name of Operator Alta Mesa Services, LP		6. If Indian, Allottee or Tribe Name N/A
3a. Address 15021 Katy Freeway, Suite 400, Houston, TX 77094	3b. Phone No. (include area code) 281-530-0991	7. If Unit or CA/Agreement, Name and/or No. N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Section 10 Township 8N Range 4W		8. Well Name and No. ML Investments #2-10
		9. API Well No. 11-075-20022
		10. Field and Pool, or Exploratory Area Willow
		11. County or Parrish, State Payette, Idaho

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> New Construction	<input type="checkbox"/> Stimulation Treat
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Production (Start/Resum	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other

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 IDL. Required subsequent reports shall be filed within 30 days following completion of the involved operations. Final Abandonment Notices shall be filed only after operations. 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.)

Please see attached procedures for planned recompletion for the ML Investments #2-10 Well.

DEPT. OF LAND
 BOISE, IDAHO
 2018 MAR 23 AM 8:26

14. I hereby certify that the foregoing is true and correct Name (Printed/typed) <i>ronda louderman</i>	Title Regulatory & Pipeline Supervisor
Signature	Date March 23, 2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>James H. ...</i>	Date <i>March 23, 2018</i>
Title <i>Oil & Gas Program Manager</i>	Office <i>Boise</i>

*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.

Recompletion Proposal

ML Investments 2-10 Well

Willow Field

Payette Co, Id

API# 11-075-20022

3/21/18

Objective: Run RST (PNN log) and determine current gas/water contact depth. Set CIBP and plug back from current perforations and complete well in Sand 2 (current sand) up hole as necessary.

Well Status: Well is currently SI – SITP 790 psig SICP 35 psig

Detailed Procedure

1. MIRU WOR, tank, pump, 5K lines, beam.
2. Take pressures – SITP / SICP / SISCP and report same.
3. Load rig tank with 150 bbls 8.3 ppg field water and use hopper to mix in 5K lbs of granular KCL to make 8.7 ppg KCL. Roll tank thru rig pump until FD is 8.7 ppg.
 - a. Include biocide in work fluid.
4. JSA
5. Test lines 500/3500 psig with rig pump.
6. Bull head 32 bbls down tbg (2 tbg volumes).
7. Set BPV in hanger.
8. ND Prod tree.
9. NU 7 1/16" 5K frac valve.
10. NU 7 1/16" 5K Double BOP & (2) TIW's (Blinds on top / 2 3/8" pipe rams on bottom)
11. Pull BPV, install 2-way ck in hanger.
12. Test BOPs (hold test 2 minutes)
 - a. Install new ring gasket on THF
 - b. Blinds 500 / 3500 psig
 - c. Pipe rams 500 / 3500 psig
 - d. Test (2) TIW's 500 / 2000 psig.
13. Pull 2-way ck from hanger.
14. Back out pins on TH and install lift jt.
15. Release pkr (1/4 turn to right and confirm string weight (12-14K lbs w/ buoyancy).
16. Reverse out 3 BU (49 bbls) at 3-5 BPM w/ 8.7 ppg KCL water.
17. TOOH and lay down 5 jts 2 3/8" tbg stand back remaining tbg.
18. MU 3.6" GR/JB and CCL.
 - a. Bring multiple GR's (3.57" – 3.61").
19. RIH GR/JB w/ CCL and tag cmt retainer at 4180'.
20. Log up to 3600' and tie-into Weatherford Gamma/CCL 3/13/14.

- a. Locate short jt at 3808' and tie-in same.
- 21. MU 1 11/16" Schlumberger RST tool (gamma/CCL/Sigma).
 - a. MU tools under pup jt and pack off.
- 22. RIH w/ RST and tag up softly on cmt retainer at 4180'.
- 23. Log up to 3900'. POOH.
 - a. Email log to office for evaluation.
 - b. Determine interval to perforate.
- 24. MU 4.5" CIBP w/ CCL. (have 2 CIBP's available in case plug leaks or is damaged).
- 25. RIH under pack off and pup.
- 26. Set CIBP at approx. 4150' +/- .
 - a. Actual depth TBD based on RST log.
- 27. Pressure test csg/plug to 1000 psig for 10 mins.
- 28. MU VS1X pkr w/ on/off tool, XN profile, flow sub and TCP assy on WL.
 - a. 2 3/8" x 4 1/2" VS1X WL set pkr turned down to 3.59"
 - i. Plan to use current pkr and replace elements in field.
 - ii. If pkr is damaged, will have replacement on location which will be turned down to 3.59" OD (no drag blocks).
 - b. TCP guns 3 1/8" HSE 6/60 w/ mechanical firing head.
 - c. TCP gun length TBD based on RST log evaluation.
 - d. Measure and caliper all tools/components before RIH.
 - e. TCP to be run without auto-release.
 - f. BHA
 - i. On/off tool stinger with 1.875" profile
 - ii. VS1X Pkr (3.59" OD) w/ carbide.
 - iii. 2 3/8" x 6' pup jt
 - iv. 1.72" XN profile
 - v. Ported/flow sub
 - vi. 2 3/8" x 10' pup jt
 - vii. 3 1/8" HSE TCP gun assy loaded 6/60.
 - 1. NOTE: Will deliver multiple gun lengths and field load as necessary.
- 29. RIH w/ CCL w/ TCP/Pkr assy under pup jt with pack off.
- 30. Tie-into previous correlation and set pkr at appropriate depth to leave guns in zone (pkr depth TBD).
- 31. POOH w/ setting tool.
- 32. PU 3.58" OD on/off tool skirt (turned down to 3.58" – use current OS unless damaged).
- 33. RIH w/ OS 2 3/8" 4.7 ppf L-80 EUE 8rd tbg rabbiting out of derrick (use 1.8 – 1.9" drift mandrel).
- 34. Tag up with on/off tool stinger and space out same.
- 35. MU hanger and land out same in TH bowl leaving 3-5K lbs down on pkr.
- 36. Run in pins.
- 37. Test backside to 500 psig for 10 mins.
- 38. Bleed off same slowly to 0 psig.
- 39. Install BPV in hanger.
- 40. ND BOPs.
- 41. NU 2 1/16" 5M x 2 1/16" 5M Prod tree.

42. Pull BPV and install 2-way ck.
43. Shell test tree 500/3500 psig.
44. Pull 2-way ck.
45. RU rig swab.
46. RIH and swab off 1500' making 500' pulls max.
47. JSA
48. Drop 1 1/4" x 8' firing bar. Leave 50-100 psig on backside prior to perforating for monitoring purposes.
49. Gun should fire in approx. 1 min 40 sec.
 - a. WL to stay on location to fish bar if necessary.
 - b. Record SITP / SICP
50. Open up well to rig tank at 5-10 BPH.
 - a. LWTR = 10.5 bbls approx 8.7 ppg KCL water (depending on where pkr is set).
 - b. Swab as necessary.
51. Take fluid samples and send to lab for analysis (Wade Moore)
 - a. Oil / Condyl (API)
 - b. Gas (Check for H₂S / CO₂)
 - c. Water (chlorides)
52. Turn well over to production.