

Application for Well Treatment – Post Job Reporting

Company: High Mesa Holdings / AM Idaho

Application Type: Well treatment / Acid Job

Well Name: ML Investments 1-11 LT

API# 11-075-20025

210. Well Treatments

- *06 Reporting Requirements*

a. Production – The ML 1-11 LT was not producing at the time of the well treatment. The last date of production from this completion was on 5/3/18 according to our records. On this date the production was:

- Oil 0 BO
- Gas 7 MCF
- 0.2 BW
- After the well treatment, the well did not flow as the job was unsuccessful. The well needed to be swabbed, in which this did not help the well in any way. The load water and spent fluids were recovered via swabbing operation and then the well was shut in. The load water and spent fluids were sent to disposal.

b. Size and depth of perforations

- Perforations: 4241-4250' with 3 1/8" Csg gun 6 SPF 6/21/17

c. Volumes

Product	Purpose	Actual % of total volume	Actual Volume (gallons)	BBS2	Actual % of total volume
PEP39	Organic Cleaner	1.30%	25	0.60	1.27%
Xylene	Cleaning agent	6.55%	165	3.93	8.41%
2% KCL water	Carrier 2% KCL	2.86%	55	1.31	2.80%
AY80BX	Clay Stay	0.05%	1	0.02	0.05%
OSW5200	Oxy Scavenger	0.03%	0.5	0.01	0.03%
WAW4402	Iron Control	0.78%	15	0.36	0.76%
SCW8234	Scale Inhib	0.16%	3	0.07	0.15%
PFR2631 15% HCL	Inhibited acid	51.98%	1000	23.81	50.94%
WAW4402	Iron Control	0.26%	5	0.12	0.25%
2% KCL water	Flush 2% KCL	34.93%	672	16.00	34.23%
AY80BX	Clay Stay	0.08%	1.5	0.04	0.08%
CRW3743W	Corr inhib	1.04%	20	0.48	1.02%
Total		100.00%	1963	46.74	100.00%

d. Fracfocus Reporting

- FracFocus Disclosure Reference #: **e8207d2d-ff60-4751-9896-884f405423ad** See Submission Report below (Exhibit C).

e. N/A – No fracing operations were done during this well treatment.

f. Static Pressure Testing

- Prior to well treatment 7/9/18 - SITP 12 psig SICP 0 psig
- Post well treatment 7/13/18 - SITP 82 psig SICP 20 psig

g. Fluid volumes / handling / Disposal Post Treatment

- See item “c” above for volumes/amounts used.
- Handling – After the well treatment, the fluids were pulled from the well via swabbing. The fluids were recovered in a flow back tank over several days. The fluids were then removed from the flow back tank via vac truck and hauled to L&R Disposal in Kuna, ID. See BOL documents below from HTI (vac service) showing that the fluids were taken from the ML 1-11 site and sent to disposal (Exhibit A). A total of 139 bbls of fluid was recovered and taken to disposal. See Daily swab reports (Exhibit B).
- No fluids were reused.
- No fluids/production were sent to Little Willow production facility.

Exhibit A



Main Office: 208-821-2079 • Rock Springs, WY • 307-371-4571

PO#		BILL OF LADING		NOT NEGOTIABLE		12767	
For shipper use						Freight Bill No.	
At <u>Pay Fte. ID</u>		(Place of Origin)		Date <u>7-9-18</u>			
Shipper <u>High Mass</u>		(Or Agent)		Shipper's No <u>MEL 1-1</u>			
Address <u>Little Wallow</u>							
<p>Received at the point of origin on the date specified, from the consignor mentioned herein, the property herein described, in apparent good order, except as noted (contents and conditions of contents of package unknown) marked, consigned and destined as indicated below, which the carrier agrees to carry and to deliver to the consignee at the said destination, if on its own authorized route or otherwise to cause to be carried by another carrier on the route to said destination, subject to the rates and classification in effect on the date of shipment.</p> <p>It is mutually agreed, as to each carrier of all or any of the goods over all or any portion of the route to destination, and as to each party of any time interested in all or any of the goods, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, which are hereby agreed by the consignor and accepted for himself and his assigns.</p>							
Consignee <u>L & R Environmental</u>		(Name and Address)		<u>1100 Thompson Rd</u>			
Destination <u>KEHA, ID</u>				Phone # <u>WADZ</u>			
Number and Type of Packages	Particulars of the Goods, Marks and Exceptions	Weight	Rate	Amount	FREIGHT CHARGES		
<u>1 TL</u>	<u>Water 2% KOL</u>				<input type="checkbox"/> Collected <input type="checkbox"/> Prepaid Freight charges will be collected unless marked prepaid		
	<u>FROM MEL 1-1 ACID</u>				C.O.D. SHIPMENTS		
	<u>JOB</u>	<u>Here</u>			Amount	\$	
					Fuel Surcharge	\$	
					<input type="checkbox"/> Collected	TOTAL	\$
					<input type="checkbox"/> Prepaid		
	<u>WASH OUT TANKER -</u>				Start		
	<u>TOTAL</u>				End		
DECLARED VALUATION \$ Maximum liability of \$2.00 per pound (\$4.41 per kilogram) computed on the total weight of the shipment, unless declared valuation states otherwise.							
NOTICE OF CLAIM No carrier is liable for loss, damage or delay to any goods under the Bill of Lading unless notice thereof setting out particulars of the origin, destination and date of shipment of the goods and the estimated amount claimed in respect of such loss, damage or delay is given in writing to the originating carrier or the delivering carrier within sixty (60) days after the delivery of the goods, or, in the case of failure to make delivery within nine (9) months from the date of shipment. The final statement of the claim must be filed within nine (9) months from the date of shipment together with a copy of the paid freight bill.							
Shipper		Carrier <u>[Signature]</u>		Consignee			
Per		Per <u>[Signature]</u>		Per			



Main Office: 208-821-2079 • Rock Springs, WY • 307-371-4571

PO#	BILL OF LADING	NOT NEGOTIABLE	12770
For shipper use		Freight Bill No	

At Payette, ID Date 7-19-18
 Shipper High Mesa Shipper's No _____
 Address _____

Received at the point of origin on the date specified from the consignor mentioned herein, the property herein described in apparent good order, except as noted (contents and conditions of contents of package unknown) marked, consigned and destined as indicated below, which the carrier agrees to carry and to deliver to the consignee at the said destination. If on its own authorized route or otherwise to cause to be carried by another carrier on the route to said destination, subject to the rates and classification in effect on the date of shipment.

It is mutually agreed, as to each carrier of all or any of the goods over all or any portion of the route to destination, and as to each party of any time interested in all or any of the goods, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, which are hereby agreed by the consignor and accepted for himself and his assigns.

Consignee L & R Environmental 1100 Thompson
 (Name and Address)
 Destination KUWA, IDAHO Phone # _____

Number and Type of Packages	Particulars of the Goods, Marks and Exceptions	Weight	Rate	Amount	FREIGHT CHARGES
	<u>Pull processed water from</u>	<u>8lb</u>			<input type="checkbox"/> Collect <input type="checkbox"/> Prepaid Freight charges will be collected unless marked prepaid
	<u>Tank @ 1-11, And Pull</u>				
	<u>Water from Cella's</u>				C O D SHIPMENTS Amount \$ _____ Fuel Surcharge \$ _____ <input type="checkbox"/> Collect <input type="checkbox"/> Prepaid TOTAL \$ _____
	<u>ON 1-31, 2-14,</u>				
	<u>1-11, TANK TO DISPOSAL</u>				Start _____ End _____
	<u>(WASH OUT)</u>				
				<u>TOTAL</u>	

DECLARED VALUATION \$
 Maximum liability of \$2.00 per pound (\$4.41 per kilogram) computed on the total weight of the shipment, unless declared valuation states otherwise.

NOTICE OF CLAIM
 No carrier is liable for loss, damage or delay to any goods under the Bill of Lading unless notice thereof setting out particulars of the origin, destination and date of shipment of the goods and the estimated amount claimed in respect of such loss, damage or delay is given in writing to the originating carrier or the delivering carrier within sixty (60) days after the delivery of the goods, or, in the case of failure to make delivery within nine (9) months from the date of shipment.

The final statement of the claim must be filed within nine (9) months from the date of shipment together with a copy of the paid freight bill.

Shipper _____	Carrier <u>[Signature]</u>	Consignee _____
Per _____	Per <u>[Signature]</u>	Per _____

Exhibit B

RU swab.
RIH and tag FL at 880' and pull from 1080', no recovery.
Made a total of 22 runs swabbing well down to 1700' w/ FL staying at 1000-1200'.
Recovered 16.5 bbls / 88.7 bbls pumped.
Well on slight vacuum after each run.
No gas/oil in recovery.
SWI. SDFN

24 HR FORECAST:	Continue swabbing		
DAILY JOB COST:	\$17,300	TOTAL JOB COST:	\$26,000
TOTAL WELL COST:	\$4,402,303		

Jul 11 2018 RIG SUPERVISOR: Wade Moore

OPERATIONS AT REPORT TIME:
Made 34 runs w/ swab. Recovered 41.5 bbls for a total of 58 bbls recovered (58 / 88.7 bbls 65%).
Lost swab mandrel on last run.
5/8" sucker rod pin looking up.
Wait on fishing tools.

24 HR FORECAST:	RIH w/ O'bannon OS and fish swab mandrel. Continue swabbing well and recover acid load.		
DAILY JOB COST:	\$3,300	TOTAL JOB COST:	\$29,300
TOTAL WELL COST:	\$4,405,603		

OPERATIONS AT REPORT TIME: SDFN

Crew traveled all night and back early morning picking up overshot to fish swab mandrel. Arrived late morning, MU fishing overshot RIH tagged fluid at 1300' tagged fish at 2070' continue to work overshot on fish, worked fish down to 2079', came OOH slowly recovered 2 bbls fluid and fish. RU to start swabbing well with total of 60bbls in rig tank.;1)

- 1275 to 1800 1.5 bbls total 61.5 Static
- 2) 1500 to 2000 1.5 bbls total 63 Vac
- 3) 1550 to 2000 1 bbl total 64 Vac
- 4) 1550 to 2000 1 bbl total 65 Static
- 5) 1550 to 2000 1 bbl total 66 Vac
- 6) 1500 to 2000 1.5 bbls total 67.5 Vac
- 7) 1550 to 2000 1.5 bbls total 69 Slight Blow
- 8) 1500 to 2000 1.5 bbls total 70.5 Vac
- 9) 1600 to 2000 1.5 bbls total 72 Static
- 10) 1600 to 2000 1.5 bbls total 73.5 Static
- 11) 1600 to 2000 1.5 bbls total 75 Vac
- 12) 1600 to 2100 2 bbls total 77 Blow (Scattered fluid)
- 13) 1600 to 2100 1.5bbls total 78.5 Blow (Scattered fluid)
- 14) 1500 to 2100 1.5 bbls total 80 Static
- 15) 1500 to 2100 2 bbls total 82 Vac
- 16) 1600 to 2200 2 bbls total 84 Slight Blow
- 17) 1500 to 2300 3 bbls total 87 Vac
- 18) 1600 to 2200 3 bbls total 90 Static
- 19) 1600 to 2100 2 bbls total 92 Slight Blow
- 20) 1500 to 2000 3 bbls total 95 Vac

All water swabbed;SDFN

24 HR FORECAST: Continue swabbing operations
 DAILY JOB COST: \$3,850 TOTAL JOB COST: \$33,150
 TOTAL WELL COST: \$4,409,453

Jul 13 2018 RIG SUPERVISOR: Wade Moore

OPERATIONS AT REPORT TIME:

SITP 60 psig SICP 25 psig
 JSA

Blow down well to tank.
 Begin swabbing Ops.

- | Run | Tag | Pull | Rec | Total | Comment |
|-----|------|---------|---------|-------------|------------------------------|
| 1) | 1400 | to 1900 | 1 bbl | 96 total | Vac |
| 2) | 1500 | to 2000 | 1.5 bbl | 97.5 total | Vac |
| 3) | 1530 | to 2100 | 1.5 bbl | 99 total | Slight Blow |
| 4) | 1400 | to 2000 | 1.5 bbl | 100.5 total | Vac |
| 5) | 1500 | to 2100 | 1.5 bbl | 102 total | Static |
| 6) | 1500 | to 2100 | 1.5 bbl | 103.5 total | Vac |
| 7) | 1600 | to 2300 | 1.5 bbl | 105 total | Vac |
| 8) | 1500 | to 2300 | 1 bbl | 106 total | Vac |
| 9) | 1600 | to 2200 | 1.5 bbl | 107.5 total | Vac |
| 10) | 1500 | to 2100 | 1.5 bbl | 109 total | Vac |
| 11) | 1600 | to 2200 | 2 bbl | 111 total | Vac |
| 12) | 1600 | to 2200 | 1.5 bbl | 112.5 total | Vac |
| 13) | 1600 | to 2200 | 1.5 bbl | 114 total | Vac |
| 14) | 1600 | to 2200 | 1.5 bbl | 115.5 total | Vac |
| 15) | 1600 | to 2200 | 1.5 bbl | 117 total | Static |
| 16) | 1600 | to 2100 | 1.5 bbl | 118.5 total | Vac |
| 17) | 1600 | to 2200 | 1.5 bbl | 120 total | Static |
| 18) | 1650 | to 2200 | 1.5 bbl | 121.5 total | Vac (collected water sample) |
| 19) | 1600 | to 2200 | 1.5 bbl | 123 total | Static |
| 20) | 1600 | to 2200 | 1.5 bbl | 124.5 total | Static |
| 21) | 1600 | to 2200 | 1.5 bbl | 126 total | Static |
| 22) | 1600 | to 2200 | 1.5 bbl | 127.5 total | Slight Blow |
| 23) | 1600 | to 2200 | 1.5 bbl | 129 total | Vac |
| 24) | 1600 | to 2200 | 2 bbl | 131 total | Static |
| 25) | 1600 | to 2200 | 2 bbl | 133 total | Vac |
| 26) | 1600 | to 2200 | 2 bbl | 135 total | Static |
| 27) | 1600 | to 2200 | 2 bbl | 137 total | Static |
| 28) | 1600 | to 2200 | 2 bbl | 139 total | Vac (collected water sample) |

Recovered 50 bbls over original load (156%).
 Minimal gas fumes with occasional tail gas. No flow. 100% water.

SWI RD Wiretech. MOL

24 HR FORECAST: Monitor SITP / SICP
 DAILY JOB COST: \$8,250 TOTAL JOB COST: \$41,400
 TOTAL WELL COST: \$4,417,703

Exhibit C – Fracfocus Proof of Reporting

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	7/9/2018
Job End Date:	7/9/2018
State:	Idaho
County:	Payette
API Number:	11-075-20025-00-00
Operator Name:	AM Idaho
Well Name and Number:	ML Investments 1-11
Latitude:	44.04593400
Longitude:	-116.79152800
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	5,500
Total Base Water Volume (gal):	727
Total Base Non Water Volume:	1,236



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Clay Stay	Baker Chemical	Stabilize clay stones, reduce clay swelling					
				Listed Below			
Oxygen scavenger	Baker Chemical	eliminate oxygen to help with corrosion					

				Listed Below			
Iron Control	Baker Chemical	eliminate precipitation of Iron in formation					
				Listed Below			
Xylene	Baker Chemical	Solvent: clean tubing, perms, rock cleaner					
				Listed Below			
Corrosion Inhibitor	Baker Chemical	Protect tubulars and equipment					
				Listed Below			
Organic Cleaner	Baker Chemical	Solvent: clean tubing, perms, rock cleaner					
				Listed Below			

Items above are Trade Names with the exception of Base Water. Items below are the individual ingredients.							
			Hydrochloric acid	7647-01-0	15.00000		Primary chemical used in well treatment – 1000 gallons of 15% HCL


* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water
 ** Information is based on the maximum potential for concentration and thus the total may be over 100%
 *** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

I, the undersigned, state that I am the Operations Engineer (title) of
AM Idaho _____ (company), and that I am
authorized by said company to make this report and that this report was prepared under my supervision and direction
and that the facts stated herein are true, correct and complete to the best of my knowledge.

4/4/19

Date



Signature