



Gas Processing Facility Inspection Form

Section 1: General Information

Operation Data	Inspection Data
Operator Name: NW Gas Processing LLC / SROG	Inspector Name: James Thum
Location Name: Little Willow Gas Gathering Facility	Area Office: Boise / Director's office
Authorized Contact: Dan Johaneck (208) 412-5475 Tyler Hartung (208) 412-5475	Inspection Date: 11/30/2021 11:15 AM
County: Payette	Report Date: 1/10/2022
Inspector's Signature: /signed/ James Thum Date of Signature: 1/10/2022	Inspection Summary: <input checked="" type="checkbox"/> Operation appeared to be in compliance at the time of the inspection. <input checked="" type="checkbox"/> Issues of concern identified at the time of the inspection.

Location Description: 4649 Little Willow Road, Payette ID 83661. SE side of Little Willow Road, 2.5 miles NE of the intersection of Idaho SR 52, 6 miles east of Payette ID. Weather- Cloudy to partly sunny, 45° F, winds variable <5 MPH.

Section 2: Location of Plant

IDAPA 20.07.02.430

- Is the facility located at least 300 feet from :
(Only mark N/A for Original Portion of Hwy 30 Plant or **LW Facility** as constructed prior to 4/11/2015)
 - Existing Occupied Structures? ☒ N/A ☐ Yes ☐ No
 - Water Wells? ☒ N/A ☐ Yes ☐ No
 - Canals and Ditches? ☒ N/A ☐ Yes ☐ No
 - Natural or Ordinary High Water Mark or Surface Waters? ☒ N/A ☐ Yes ☐ No
- If the answer to A or B above is no, is there express written Permission from the owners of the above to allow the facility to be closer than 300 feet? ☒ N/A ☐ Yes ☐ No
- If there is owner permission for the above to be closer than 300 feet, are water wells and existing occupied structures at least 100 feet from the plant? ☒ N/A ☐ Yes ☐ No

Section 3: Operations

IDAPA 20.07.02.430

- Has the operator notified the department of which wells, by API number, are being served by the facility? ☒ Yes ☐ No
- Does the operator have a flaring permit from the IDEQ? ☒ Yes ☐ No
- Do the staff demonstrate knowledge of all operations and locations of:
 - Emergency shut off equipment? ☒ Yes ☐ No
 - Direction of Flow Lines? **Marked by arrows** ☒ Yes ☐ No

C. Heat Exchangers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4. Have all meters been calibrated within the past calendar year and are records of calibration maintained for the past five years?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Are all meters accessible and viewable?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. Is there supervisory control and data recording system in place to monitor the liquids and gas in the facility? SCADA system	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7. Is all gas and liquids entering and leaving the facility accounted for within a data recording system or logbook? SCADA system	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Section 4: Location Operations	IDAPA 20.07.02.301
1. Is the facility site fenced? A. If yes; i. Was the fence installed within 60 days of completing facility construction? ii. Does the fence appear to: a. Maintain safe working conditions? b. Secure the facility site? Note: site is no longer staffed, gate locked c. Prevent access by wildlife and livestock?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. Are chemicals stored and maintained in accordance with all applicable MSDS requirements?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. Are all materials related to operations palletized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4. Do all vehicles or materials on the site appear to be in use?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Is there less than 5% vegetation on site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. Is the site free from all trash, debris, or scrap metal on site? A. If no, is all trash, debris and scrap metal pending removal kept in a wind proof container and appear emptied regularly? B. If trash or debris constitutes a fire hazard, is it removed to at least 100 feet from the facility, tanks or separators?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No
Section 5: Accidents and Fires	IDAPA 20.07.02.302
1. Is the emergency response plan available for use or inspection? A. If yes, does the operation appear to be consistent with the response plan?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. Is the location free of evidence of recent fires? A. If no, have they been properly reported?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No
3. Ask for a spill prevention and countermeasures plan. (SPCC can be located in company office). Are they aware of it?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Section 6: Submitted Documentation**IDAPA 20.07.02.430**

1. Has the operator submitted an as-built facility design plan that contains the minimum as required in rules? ☒ Yes ☐ No
2. Has a monthly report been submitted accounting for receipt, processing, and disposition of all gas by the gas processing facility within the reporting period per Idaho Code § 47-324 (1) (b)? ☐ N/A ☒ Yes ☐ No
- A. Was this report received by the 14th day following the end of the second month following the reporting period? ☐ N/A ☒ Yes ☐ No

Section 7: Tank Batteries**IDAPA 20.07.02.420**

1. Are all tank batteries located at least 300 feet from any existing: **(Note: constructed prior to 4/15/2015)**
- A. Occupied structures? ☒ Yes ☐ No
- B. Water wells? ☒ Yes ☐ No
- C. Canals? ☐ Yes ☒ No
- D. Ditches? ☐ Yes ☒ No
- E. Natural or ordinary high water mark of surface waters? ☐ Yes ☒ No
2. Is location at least 50 feet from highways when measured from outermost portion of the tank dike? ☒ Yes ☐ No
3. Are all tanks containing produced fluids or crude oil surrounded by tank dikes? ☒ Yes ☐ No
4. Are all tanks equipped to receive produced fluids surrounded by tank dikes? ☒ Yes ☐ No
- A. If yes;
- i. Do the dikes have a capacity of at least 1 ½ times the volume of the largest tank? ☒ Yes ☐ No
- ii. Is all piping and manmade improvements that perforate the dike wall or tank battery floor sealed to a minimum radius of 12" from outside edge of the piping or improvement? ☒ Yes ☐ No
- iii. Are valves and quick-connect couplers at least 18" from inside wall of tank dike? **Outside with shut-off, spill control devices (see #5)** ☐ Yes ☒ No
- iv. Is vegetation on top and outside surface properly maintained? ☒ Yes ☐ No
- v. Is a ladder or other permanent device installed over the tank dike to access the containment reservoir? ☒ Yes ☐ No
- vi. Is containment reservoir free of vegetation, storm water, produced fluids, other oil and gas field related debris, trash or flammable material? ☒ Yes ☐ No
5. Do drain lines have a valve installed, closed and capped off if not in use? ☒ Yes ☐ No

Section 8: Inspection Comments**Comments and Issues of Concern:**

Minor fluid spill indicated by stained gravel on north side of compressor unit (see photo). Auxiliary spill containment pad is torn at corner on east side; needs minor repair. Photos taken of all separator units and calibration tags. Calibrations are up-to-date. Eastern side of facility still mainly used as a storage area for spare pipe and materials.

Section 9: Attachments

List any and all attachments including photos, samples, documents, etc.

PRECISION ANALYSIS GAS MEASUREMENT EMISSIONS TESTING LABORATORY
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PRODUCER: Alta Mesa
STATION NAME: Kaufman LT
UNIQUE #: FIT-109 LTG
ATMOSPHERIC PRESSURE: 13.63

☒ ABS ☐ GAUGE
PHYSICAL LOCATION OF STATIC PRESSURE
☒ UPSTREAM ☐ DOWNSTREAM
SPECIFIC GRAVITY: 0.6821
NOTES: 10/18/2018

METER MAKE: Total Flow ABB
METER MODEL: XBC 64
METER SERIAL: T142480309/T150818706
METER RUN ID: 3.068 X 1.375"

DIFF RANGE: 0-150" H₂O
STATIC RANGE: 0-1000 PSIA
TEMP RANGE: 0-150°F

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Office: (307) 856-0866
1-866-732-6967
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PRODUCER: Alta Mesa
STATION NAME: Kaufman LT
UNIQUE #: 201001266
ATMOSPHERIC PRESSURE: 15.63

☒ ABS ☐ GAUGE
PHYSICAL LOCATION OF STATIC PRESSURE
☒ UPSTREAM ☐ DOWNSTREAM
SPECIFIC GRAVITY: 0.6821
NOTES: AUG -P 38.135 PP 3781

METER MAKE: Total Flow ABB
METER MODEL: XBC 64
METER SERIAL: T142480309/T150818706
METER RUN ID: 3.068

DIFF RANGE: 0-150" H₂O
STATIC RANGE: 0-1000 PSI
TEMP RANGE: 0-150°F

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SPECIFIC GRAVITY: 0.01 TEMPERATURE: 20.1

NOTES: AVG SP-224.986 DP-42.092 OH/19/2015 AVG 3P ^{10/17/2018} 201.624 DP-528
AVG DP-15.308 ^{01/23/2017} DP-402.141 AVG DP-18.587 ^{01/26/2017} SP-342.727
AVG DP-11.088 ^{07/16/2017} 3P-378.642

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PRODUCER: HIGH PRESS WARDEN 65
 1041-3 L3 SEPARATION AT
 STATION NAME: LITTLE WILLOW FUEL GAS
 METER MAKE: FLUKE
 METER MODEL: XRC
 UNIQUE #: ID0100R8C4
 METER SERIAL: 269ES6511105129
 ATMOSPHERIC PRESSURE: 15.63
 METER RUN ID: 0.35D "X1.079"
☒ ABS ☐ GAUGE
 PHYSICAL LOCATION OF STATIC PRESSURE
☐ UPSTREAM ☐ DOWNSTREAM
 DIFF RANGE: 0-100 IN H₂O
 SPECIFIC GRAVITY: 0.7124
 07/16/2009
 UPSTREAM STATIC RANGE: 0-100 PSI
 DOWNSTREAM STATIC RANGE: 0-200 PSI
 TEMP RANGE: 0-200 °F
 11/23/2009
 NOTES: AUG DP-2.751 SP-65.011 AUG DP-0.96 SP-65.5

2720 W. 1600 S.
Roosevelt, UT 84066

Location: Little Wallow Line Size: 1.049 Elevation: 22416'
Station ID: MW Fire Device Range
Lease: SP: 0-300 SP: 0-300
API: DP: 0-100 DP: 0-100
S/N: 269CS6511405129 Temp: -60-300 Temp: 0-200

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[illegible]

2720 W. 1600 S.
Roosevelt, UT 84066

Location: <u>Kauffman 1-34</u>	Line Size: <u>3.825</u>	Elevation: <u>B</u>
Station ID: <u>Total Flow</u>	Device Range	Cal. Range
Lease: <u>Kauffman</u>	SP: <u>0-1500</u>	SP: <u>0-1000</u>
API:	DP: <u>0-400</u>	DP: <u>0-250</u>
S/N: <u>26956502001073</u>	Temp: <u>-50-650</u>	Temp: <u>0-150</u>

[illegible]



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PRODUCER: Alta Mesa METER MAKE: Total Flow ABB
STATION NAME: ML 1-10 METER MODEL: XRC 64
UNIQUE #: FIT-1106 METER SERIAL: T142480309
ATMOSPHERIC PRESSURE: 13.63 METER RUN ID: ~~4.21~~ 5" 3.823" x 1.5"
☒ ABS ☒ GAUGE
PHYSICAL LOCATION OF STATIC PRESSURE
☒ UPSTREAM ☐ DOWNSTREAM
SPECIFIC GRAVITY: .6902 .6873 .6814 TEMP RANGE: 0-150°F
DIFF RANGE: 0-250" H₂O
STATIC RANGE: 0-1000 PSI A

NOTES:

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PRODUCER: Snake River METER MAKE: Total Flow
STATION NAME: Harman Sep New METER MODEL: 64
UNIQUE #: _____ METER SERIAL: _____
ATMOSPHERIC PRESSURE: 13.69 METER RUN ID: 3.069
☒ ABS ☐ GAUGE
PHYSICAL LOCATION OF STATIC PRESSURE
☒ UPSTREAM ☐ DOWNSTREAM
SPECIFIC GRAVITY: _____
TEMP RANGE: 0-150
DIFF RANGE: ~~0-250~~ 0-250
STATIC RANGE: ~~0-600~~ 0-600
NOTES: _____

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PRODUCER: ALTA MESA METER MAKE: TOTAL FLOW ABB
STATION NAME: ML INVESTMENTS 3 METER MODEL: XRC 64
UNIQUE #: ID01002566 METER SERIAL: T142480309
ATMOSPHERIC PRESSURE: 13.63 METER RUN ID: 3.823"
☒ ABS ☐ GAUGE
PHYSICAL LOCATION OF STATIC PRESSURE
☒ UPSTREAM ☐ DOWNSTREAM
SPECIFIC GRAVITY: 0.6812 TEMP RANGE: 0-150 °F
DIFF RANGE: 0-250 IN H₂O
STATIC RANGE: ~~0-800~~ 0-500 PSI

NOTES: AVG SP-487.69 DP-31.98 07/15/2018 10/17/2018
AVG DP-58.582 SP-757.929 AVG DP-57.317 SP-645.074 04/14/2019
AVG DP-43.601 SP-703.021 07/16/2018

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PRODUCER: Alta Mesa METER MAKE: Total flow
STATION NAME: ML 2-10 METER MODEL: 269CS
UNIQUE #: FET-210-6 ID01000596 METER SERIAL: T150313648
ATMOSPHERIC PRESSURE: 13.63 METER RUN ID: 4.026"
☒ ABS ☐ GAUGE
PHYSICAL LOCATION OF STATIC PRESSURE
☒ UPSTREAM ☐ DOWNSTREAM
SPECIFIC GRAVITY: .6881 DIFF RANGE: 0-250" H₂O
STATIC RANGE: 0-1000 PSI
TEMP RANGE: 0-150°F

NOTES: Payette County AUG SP-484.72 DP-9.37 07/18/2018
10/17/2018
AUG SP-466.967 DP-9.692

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PRODUCER: HIGH MESA METER MAKE: TOTAL FLOW
STATION NAME: ML INVESTMENTS 2-10 METER MODEL: 269CS
UNIQUE #: ID01000596 METER SERIAL: T150313648
ATMOSPHERIC PRESSURE: 13.63 METER RUN ID: 4.026"
☒ ABS ☐ GAUGE
PHYSICAL LOCATION OF STATIC PRESSURE
☒ UPSTREAM ☐ DOWNSTREAM
SPECIFIC GRAVITY: 0.6929 DIFF RANGE: 0-250 IN H₂O
STATIC RANGE: 0-1000 PSI 0-400
TEMP RANGE: 0-150 °F

NOTES: PAYETTE COUNTY 01/23/2019
AUG DP-20.786 SP-462.863
07/16/2018
AUG DP-11.174 SP-250.020
07/16/2018
AUG DP-23.109 SP-227.53
10/23/2018
AUG-26.26 DP SP-138.73

Plate/Cone Inspect (Date)	Orifice Bore Size	Beta Ratio	Meter Test (Date)	Gas Analysis (Date)	Specific Gravity	Tested By
10/13/16	1.500"		10/13/16	10/11/16	0.6881	AM
11/11/17	1.500		11/11/17	11/10/17	0.6908	BLS
4/19/17	1.500		4/19/17	4/18/17	0.7212	BLS
7/19/2017	1.500		7/19/2017	07/18/2017	0.7188	JH-ZED
10/24/2017	1.500		10/24/2017	10/24/2017	0.7198	JH-ZED
11/24/18	4X 1.500		11/24/18	11/23/18	0.7282	BLS
04/18/2018	1.500"	0.37	04/18/2018	04/17/2018	0.6854	JH-ZED
07/18/2018	1.500"	0.373	07/18/2018	07/17/2018	0.6951	JH-ZED
10/17/2018	1.500"	0.373	10/17/2018	10/16/2018	0.6858	JH-ZED
12/24/18	1.375					TJEN

Plate/Cone Inspect (Date)	Orifice Bore Size	Beta Ratio	Meter Test (Date)	Gas Analysis (Date)	Specific Gravity	Tested By
12/24/2018	1.375"	0.312				TJEN
01/23/2019	1.375"	0.342	01/23/2019	01/22/2019	0.6909	JH-ZED
04/24/2019	1.375"	0.342	04/24/2019	04/23/2019	0.7188	JH-ZED
07/16/2019	1.375"	0.342	07/16/2019	7-18-19	0.7294	JH-ZED
10/23/2019	1.375"	0.342	10/23/2019	10/22/2019	0.6986	JH-ZED
12-2-20	1.375	0.342	12-2-20			KB
3-3-21	1.375	.34	3-3-21	3-3-21	0.7126	KB
6-23-21	1.375	.34	6-23-21	6-23-21	0.7090	KB
10-21-21	1.375	.34	10-21-21			KB

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PRODUCER: Alta Mesa METER MAKE: Totalflow
STATION NAME: ML 1-11 UT METER MODEL: 26925
UNIQUE #: FIT-111-4FG 1D010007gG METER SERIAL: T150818701
ATMOSPHERIC PRESSURE: 13.63 METER RUN ID: 3.065"
☒ ABS ☐ GAUGE
PHYSICAL LOCATION OF STATIC PRESSURE
☒ UPSTREAM ☐ DOWNSTREAM
SPECIFIC GRAVITY: .7093 TEMP RANGE: 0-150°F
DIFF RANGE: 0-250" H₂O
STATIC RANGE: 0-1000 PSI

NOTES: Payette County

Meter SN:		LATITUDE <u>44.050897°</u>		LONGITUDE <u>116.802602°</u>	
Tube SN:		PRODUCER <u>ALTA MESA</u>			
Fitting SN:		LEASE NAME <u>ML Inv. 1-11 LT</u>			
zedi Office: (406) 433-8949		STATION NO. <u>1D010007gG</u>		COUNTY <u>Payette</u>	
		SECTION	TOWNSHIP	RANGE	QUARTER
LINE SIZE	DIFF. <u>0-250</u>	STATIC <u>0-1000</u>		TEMP. <u>0-150</u>	ATMOS. PRESS. <u>13.4</u>
MISC.	<u>S.G. 0.692 / 0.7151</u>				SP CONN. <u>1/2" DEAN</u>
ORIFICE SIZE <u>1375</u>	<u>1375</u>				DP CUTOFF <u>0.50</u>
EFFECTIVE DATE <u>Aug</u>	<u>SP 230.17 DP 25.22</u>				CONTRACT HOUR
BETA RATIO <u>0.45</u>	<u>0.45</u>				INSTALLED BY

Plate/Cone Inspect (Date)	Orifice Bore Size	Beta Ratio	Meter Test (Date)	Gas Analysis (Date)	Specific Gravity	Tested By
10/13/16	1.375"		10/13/16	10/11/16	.7093	AM
1/10/17	1.375		1/10/17	1/6/17	.7054	BWB
4/19/17	1.375		4/19/17	4/18/17	.7027	BB

Calibration	H ₂ S	Plate Inspection	Sample Pulled	Initials
4/19/17	-	4/19/17	7175	BB
7/19/2017	-	07/19/2017	7103	AM
07/18/2018	-	07/18/2018	7176	BB
07/18/2018	-	07/18/2018	7176	BB
07/18/2018	-	07/18/2018	7176	BB

Meter SN:	T150818704	LATITUDE	N 44.050907°	LONGITUDE	W 116.802648°		
Tube SN:	NI	PRODUCER	ALTA MESA				
Fitting SN:	01090184	LEASE NAME	ML INVESTMENTS I-11 LT				
 Office: (406) 433-8949		STATION NO.	COUNTY				
		ID 0100796	PAYETTE, ID				
		SECTION	TOWNSHIP	RANGE	QUARTER		
LINE SIZE	DIFF.	STATIC	TEMP.	ATMOS. PRESS.			
3.068"	0-250	0-1000	0-150	13.63			
MISC.	S.G.-0.7180 04/208 AUG 5P-71.761 DP-0.000 11/17/2018			SP CONN.	APSTREA		
ORIFICE SIZE	1.375	1.125	1.125	1.125	1.125	DP CUTOFF	0.500
EFFECTIVE DATE				AUG 2018		CONTRACT HOUR	
BETA RATIO	0.45	0.37	0.37	0.37	0.37	INSTALLED BY	



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PRODUCER: Alta Mesa

METER MAKE: Totalflow

STATION NAME: ML 1-11 LT

METER MODEL: 269 CS

UNIQUE #: FIT-111LTG

METER SERIAL: T150818704

ATMOSPHERIC PRESSURE: 13.63

METER RUN ID: 3.068"

☒ ABS

☐ GAUGE

PHYSICAL LOCATION OF STATIC PRESSURE

☒ UPSTREAM

☐ DOWNSTREAM

DIFF RANGE: 0-150" H₂O

STATIC RANGE: 0-1000 PSI

SPECIFIC GRAVITY: .7132

TEMP RANGE: 0-150°F

NOTES: Payette County

[illegible]



Gravel stain on north side of compressor unit, looking west.



Secondary spill containment mat at west side of facility with corner tear, looking SW.



Detail of torn corner of auxiliary spill containment mat.