

*Harold Marshall*

**Note:**  
Communication Tower Area to Remain Undisturbed and Ungraded

- NOTES:**
- Rounded corners shown at 35' radius. (except where noted).
  - Construct diversion ditches as needed.
  - Contours shown at 2' intervals.
  - Cut/Fill slopes 1 1/2:1 (Typ. except where noted).
  - Overall Working Pad Surface 427' x 305'.

**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017

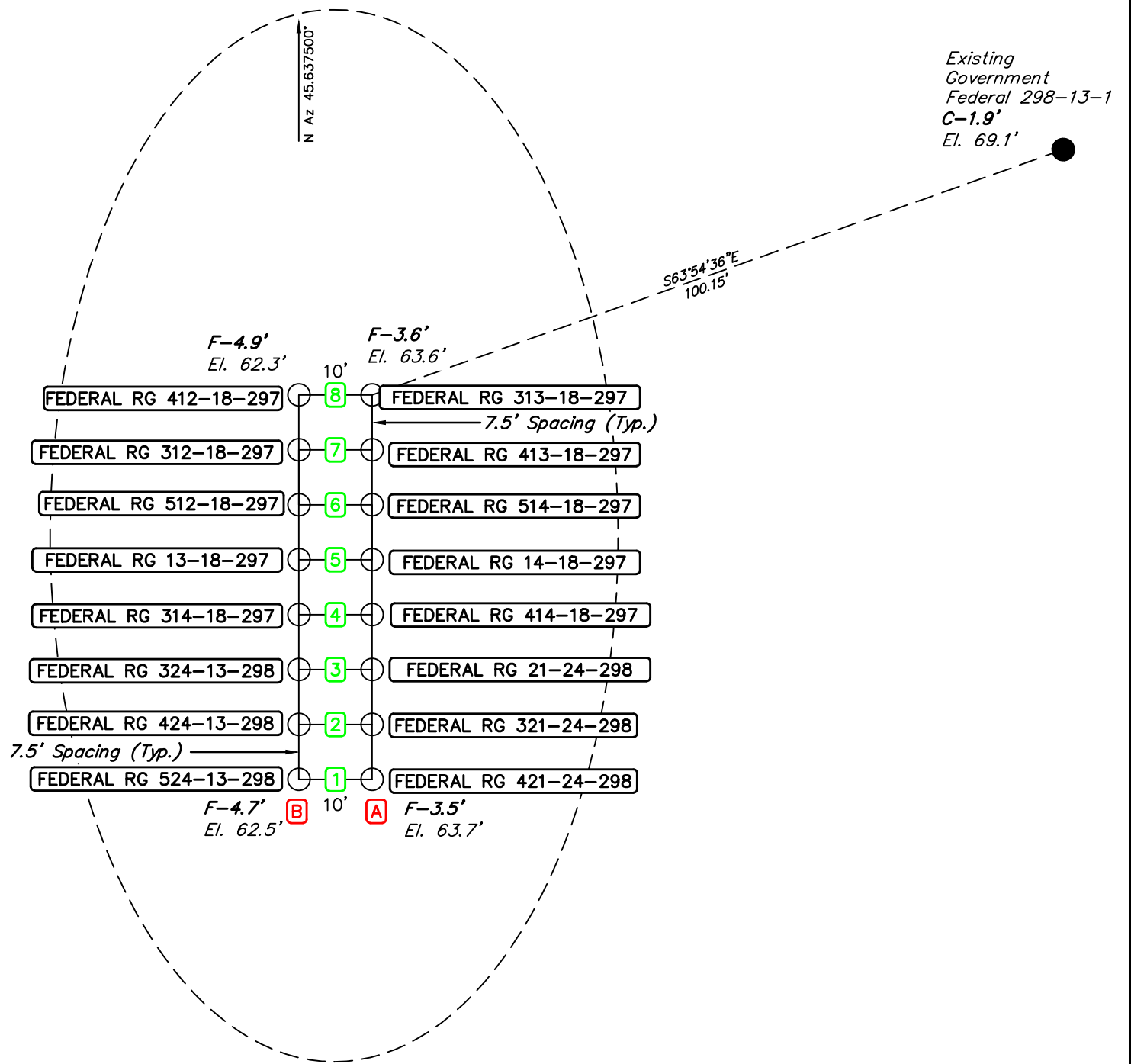
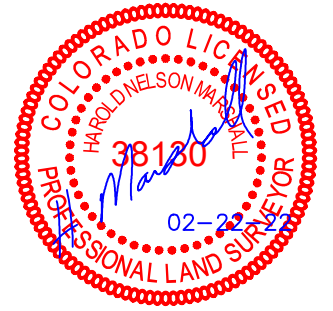
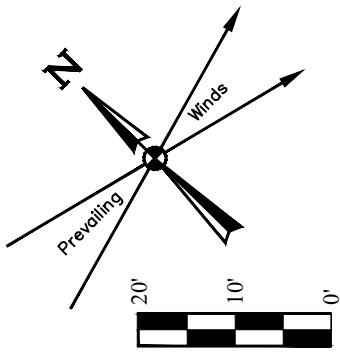
**TEP Rocky Mountain LLC**

**FEDERAL 298-13-1 PAD**  
**LOTS 9, 11 & 12, SECTION 13, T2S, R98W, 6th P.M.**  
**RIO BLANCO COUNTY, COLORADO**

<b>SURVEYED BY</b>	BART HUNTING	07-21-21	<b>SCALE</b>
<b>DRAWN BY</b>	M.D.	07-23-21	1" = 60'

**CONSTRUCTION LAYOUT - PLAN VIEW**





REV: 7 02-22-22 M.D. (PAD & WELL NAME CHANGE)

**TEP Rocky Mountain LLC**

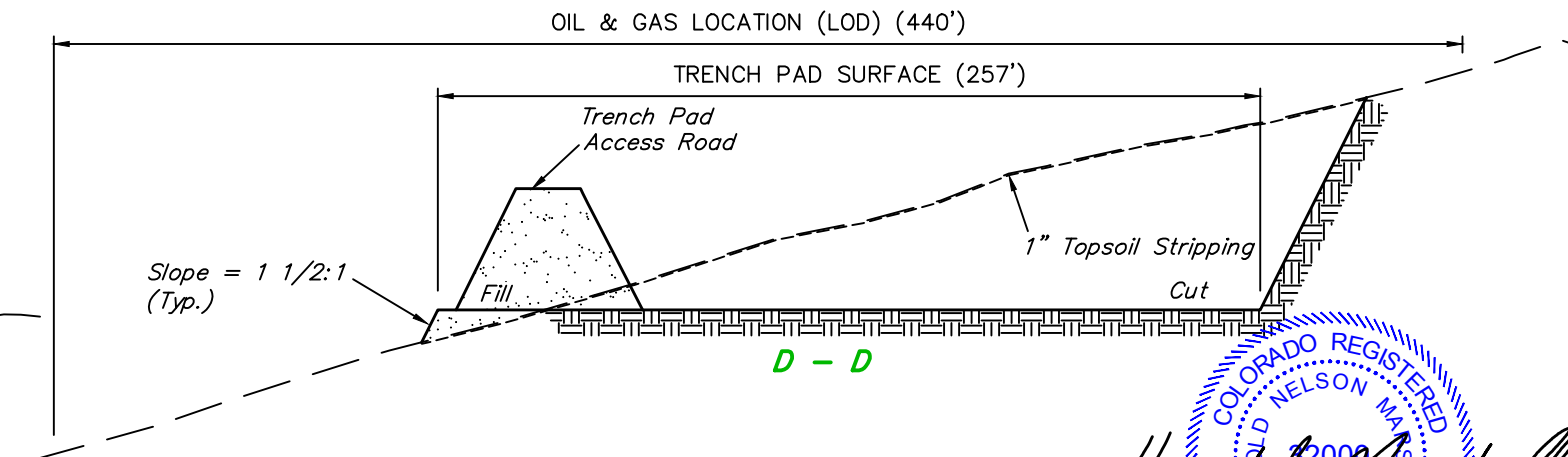
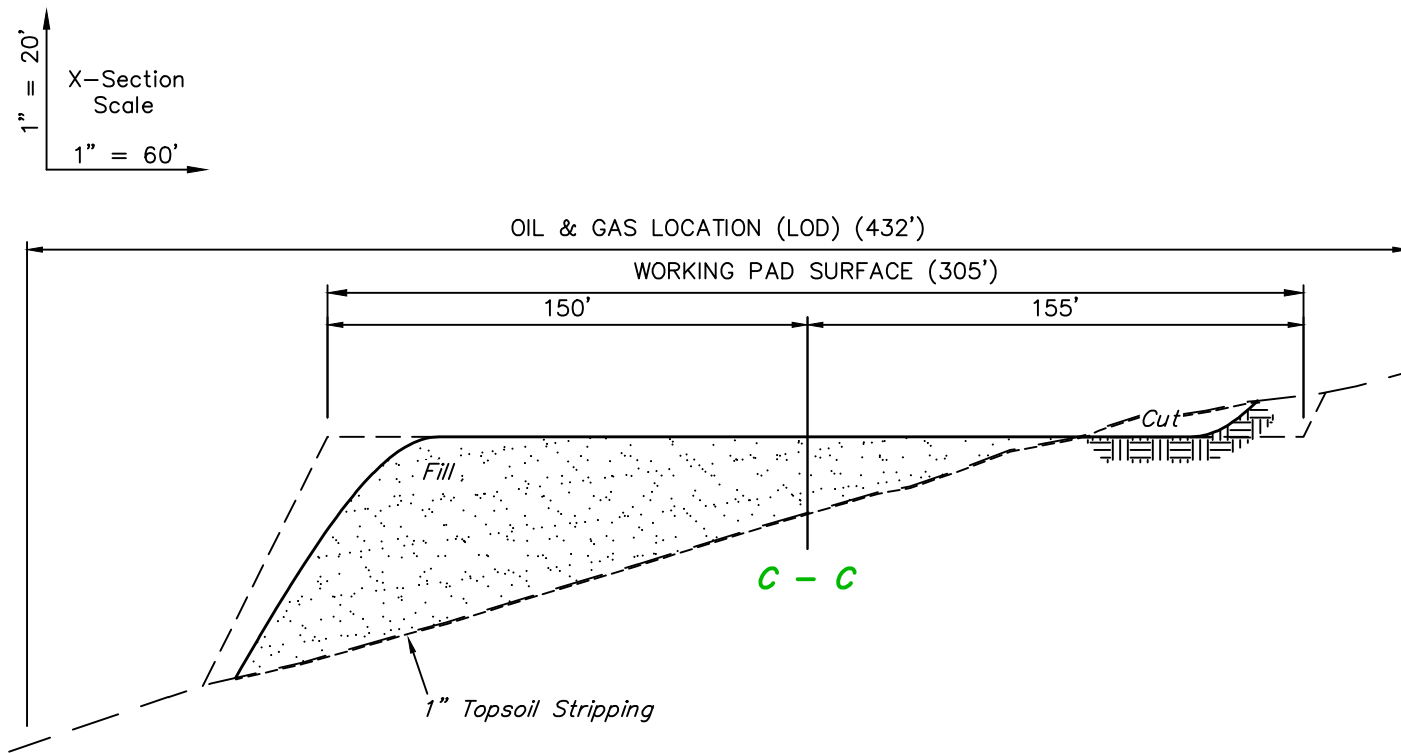
**FEDERAL 298-13-1 PAD**  
**LOTS 9, 11 & 12, SECTION 13, T2S, R98W, 6th P.M.**  
**RIO BLANCO COUNTY, COLORADO**

SURVEYED BY	BART HUNTING	07-21-21	SCALE
DRAWN BY	M.D.	07-23-21	1" = 20'

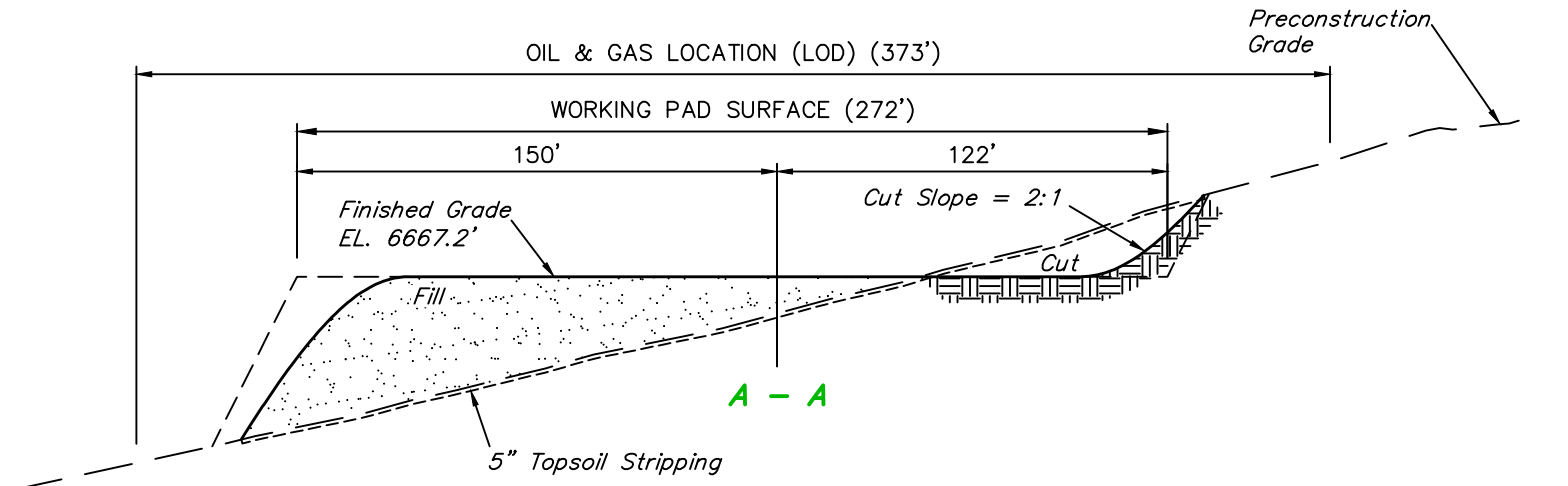
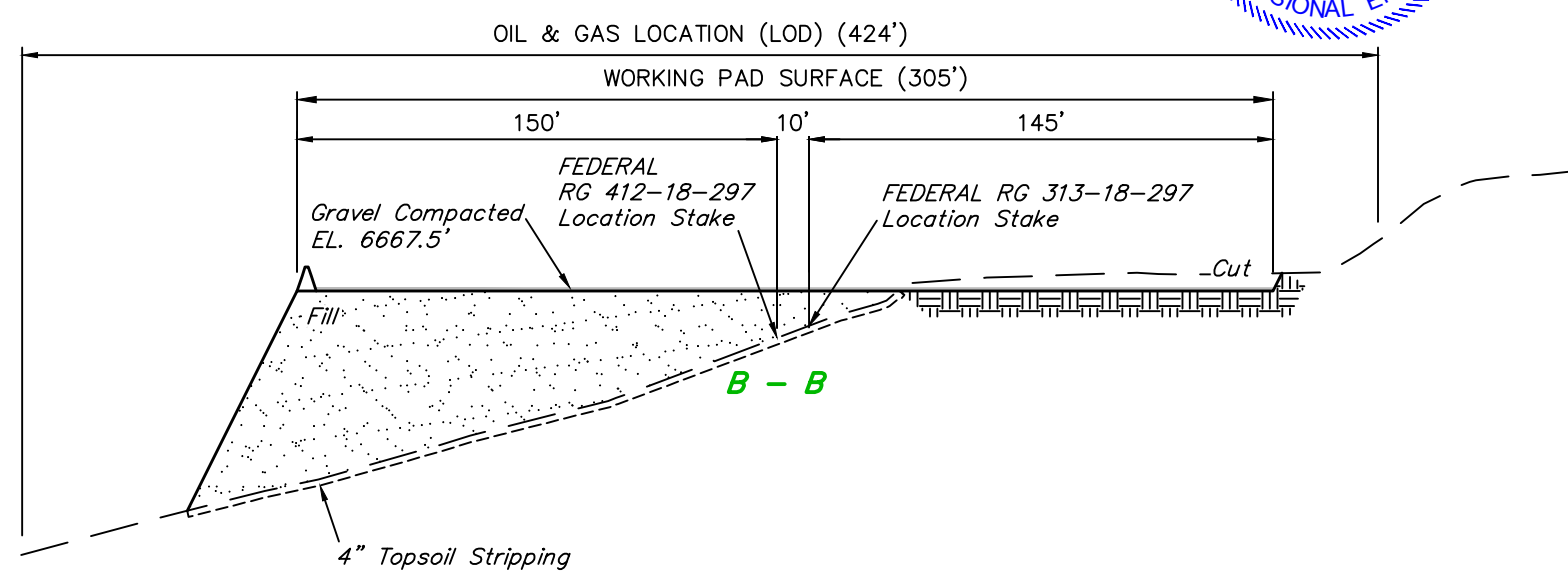
**WELLHEAD DETAIL**



**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017



COLORADO REGISTERED  
 D. NELSON M.A.S.  
 12000  
 PROFESSIONAL ENGINEER  
 05-03-22  
*Harold Marshall*



APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WORKING PAD SURFACE DISTURBANCE (WELL & TRENCH PAD)	NA	±4.232
CONSTRUCTION DISTURBANCE	NA	±3.291
<b>TOTAL OIL &amp; GAS LOCATION (LOD)</b>		<b>±7.523</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
60' WIDE WATER LINE R-O-W DISTURBANCE (OUTSIDE LOD AREA) (INCLUDES TEMPORARY WORKSPACE AREA)	±18'	±0.050
WATER LINE DISTURBANCE (EDGE OF PAD TO LOD)	±41'	N/A
<b>TOTAL WATER PIPELINE DISTURBANCE</b>		<b>±0.050</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
50' WIDE GAS PIPELINE R-O-W DISTURBANCE (OUTSIDE LOD AREA) (INCLUDES TEMPORARY WORKSPACE AREA)	±17'	±0.043
WATER LINE DISTURBANCE (EDGE OF PAD TO LOD)	±33'	N/A
<b>TOTAL GAS PIPELINE DISTURBANCE</b>		<b>±0.043</b>

<b>TOTAL PROJECT DISTURBANCE</b>		<b>±7.616</b>
----------------------------------	--	---------------

- NOTES:**
- Fill quantity includes 10% for compaction.
  - Calculations based on 6" of topsoil stripping.
  - Cut/Fill slopes 1 1/2:1 (Typ. except where noted).

- NOTE:**
- 1860 Cu. Yds. Min. 4" of aggregate base. Gravel to increase location stability. Compacted Volume of Approximately 1860 Cu. Yds. Gravel is to be Applied to Entire Well Pad & Trench Pad Footprint.
  - Topsoil Stripping Varies (1", 4" & 5" Depth) And is based on in-field Soil Pits/Samples. Provided by TEP Rocky Mountain LLC.

**NOTE:**  
 Excess Earthwork from Trench Pad To be used in the Construction of the Well Pad.

WELL PAD APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING (NEW CONSTRUCTION ONLY)	2,200 Cu. Yds.
REMAINING LOCATION	2,930 Cu. Yds.
<b>TOTAL CUT</b>	<b>5,130 Cu. Yds.</b>
<b>FILL</b>	<b>47,120 Cu. Yds.</b>
DEFICIT MATERIAL	<41,990 Cu. Yds.>
TOPSOIL	2,220 Cu. Yds.
<b>DEFICIT UNBALANCE (After Interim Rehabilitation)</b>	<b>&lt;44,160 Cu. Yds.&gt;</b>

TRENCH APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	1,440 Cu. Yds.
REMAINING LOCATION	29,280 Cu. Yds.
CUTTINGS TRENCH	15,190 Cu. Yds.
<b>TOTAL CUT</b>	<b>45,910 Cu. Yds.</b>
<b>FILL</b>	<b>340 Cu. Yds.</b>
EXCESS MATERIAL	45,570 Cu. Yds.
TOPSOIL	1,440 Cu. Yds.
<b>EXCESS UNBALANCE (After Interim Rehabilitation)</b>	<b>44,130 Cu. Yds.</b>

REV: 9 05-03-22 M.D. (UPDATE TABLE LABELS)

**TEP Rocky Mountain LLC**

**FEDERAL 298-13-1 PAD**  
**LOTS 9, 11 & 12, SECTION 13, T2S, R98W, 6th P.M.**  
**RIO BLANCO COUNTY, COLORADO**

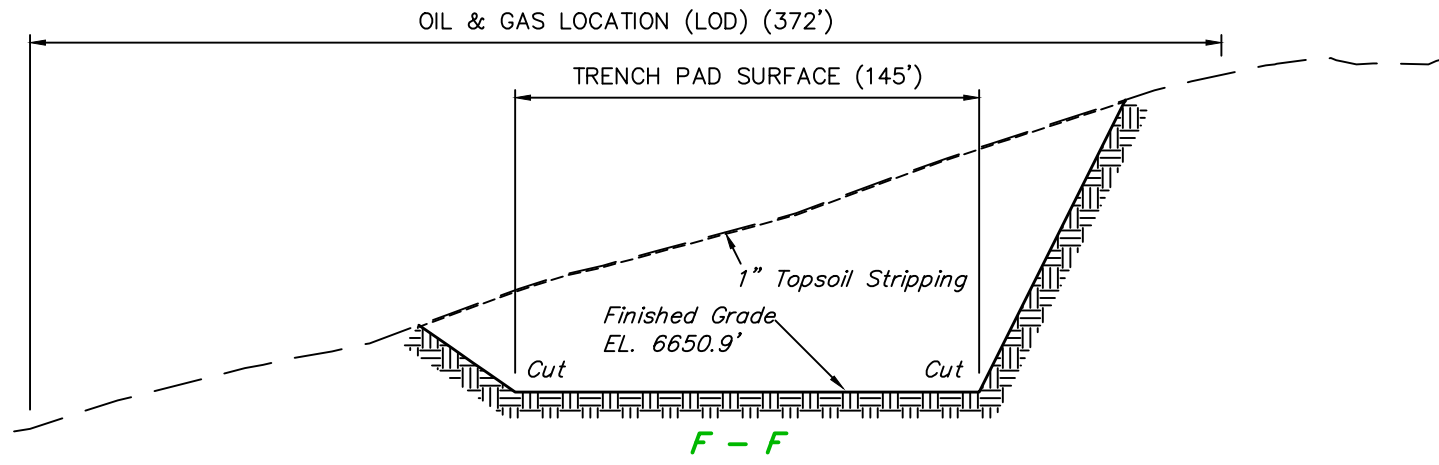
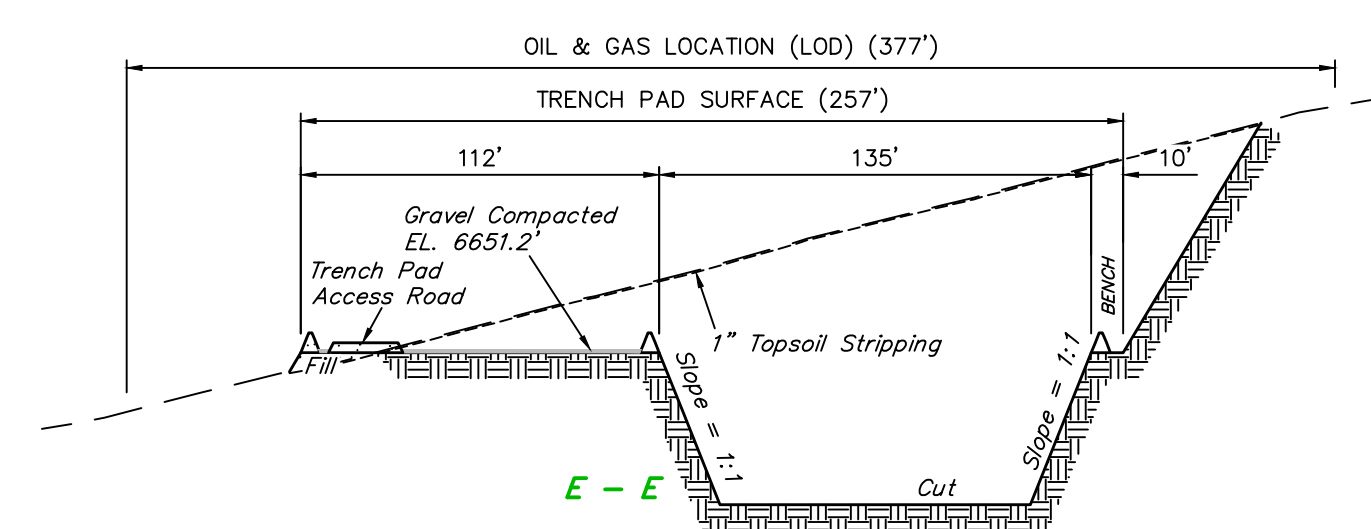
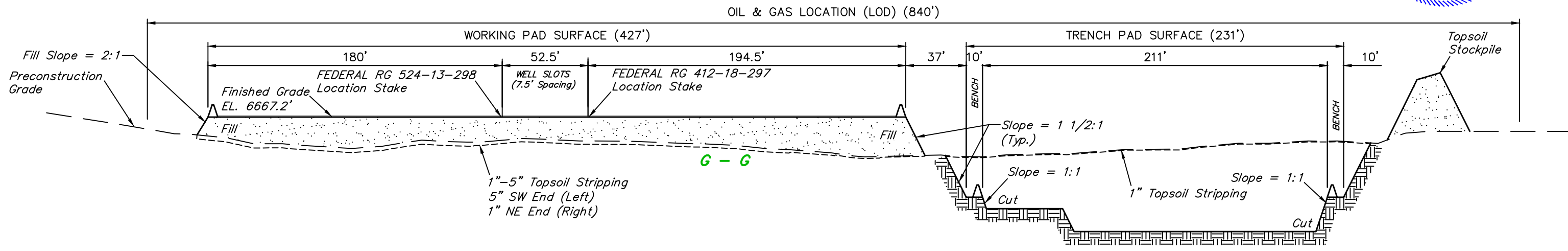
SURVEYED BY	BART HUNTING	07-21-21	SCALE
DRAWN BY	M.D.	07-23-21	AS SHOWN

**CONSTRUCTION LAYOUT CROSS SECTIONS**



**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017

1" = 20'  
X-Section Scale  
1" = 60'



**NOTE:**  
Excess Earthwork from Trench Pad To be used in the Construction of the Well Pad.

**NOTE:**

- 1860 Cu. Yds. Min. 4" of aggregate base. Gravel to increase location stability. Compacted Volume of Approximately 1860 Cu. Yds. Gravel is to be Applied to Entire Well Pad & Trench Pad Footprint.
- Topsoil Stripping Varies (1", 4" & 5" Depth) And is based on in-field Soil Pits/Samples. Provided by TEP Rocky Mountain LLC.

**NOTES:**

- Fill quantity includes 10% for compaction.
- Calculations based on 6" of topsoil stripping.
- Cut/Fill slopes 1 1/2:1 (Typ. except where noted).

REV: 7 02-22-22 M.D.  
(PAD NAME, GRAVEL NOTE & TOPSOIL STRIPPING CHANGES)

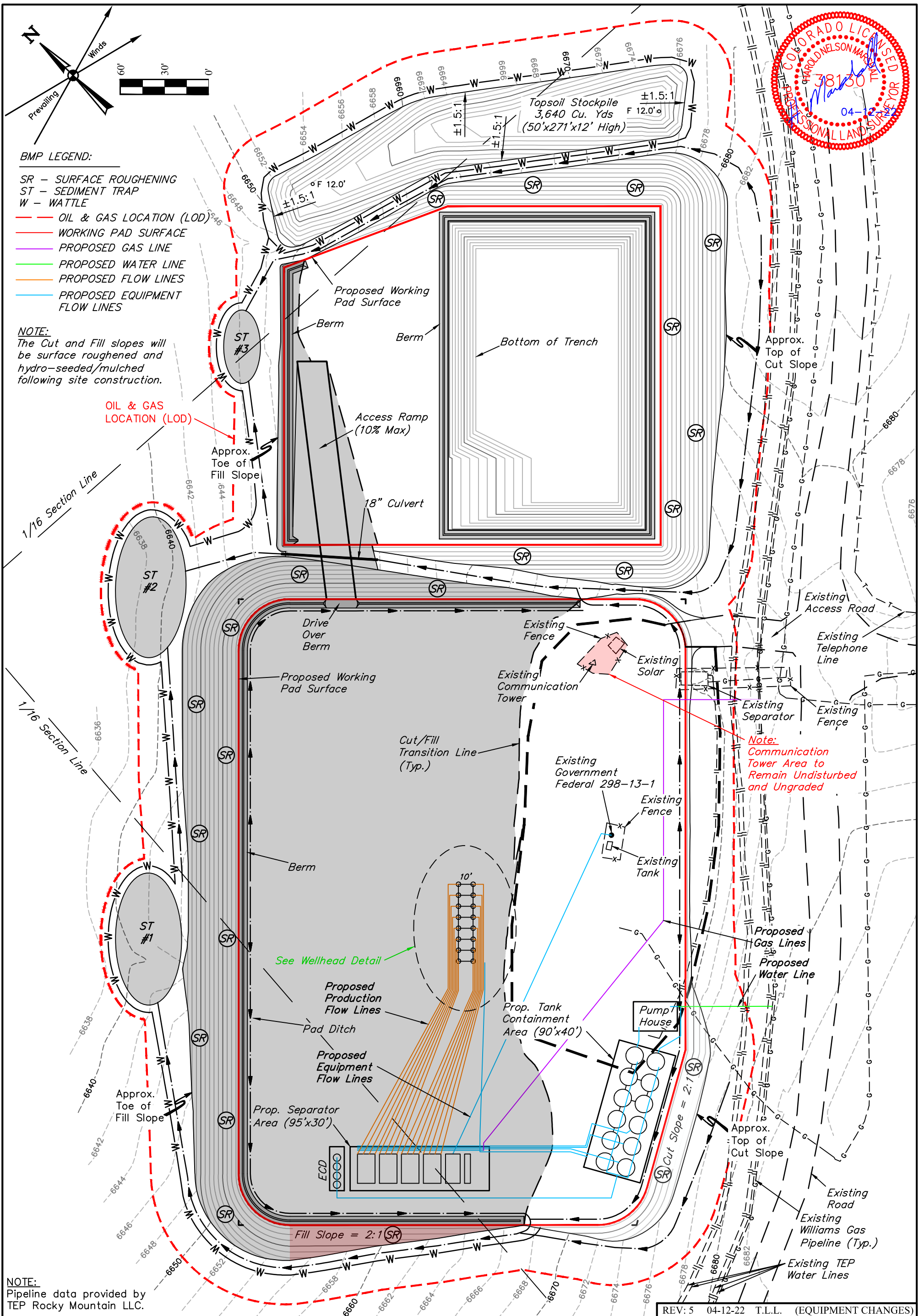
**TEP Rocky Mountain LLC**

**FEDERAL 298-13-1 PAD**  
**LOTS 9, 11 & 12, SECTION 13, T2S, R98W, 6th P.M.**  
**RIO BLANCO COUNTY, COLORADO**

SURVEYED BY	BART HUNTING	07-21-21	SCALE
DRAWN BY	M.D.	07-23-21	AS SHOWN
<b>CONSTRUCTION LAYOUT CROSS SECTIONS</b>			



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



NOTE:  
 Pipeline data provided by TEP Rocky Mountain LLC.

- NOTES:**
- Combustor is to be located a min. of 100' from the wellhead.
  - Contours shown at 2' intervals.

REV: 5 04-12-22 T.L.L. (EQUIPMENT CHANGES)

**TEP Rocky Mountain LLC**

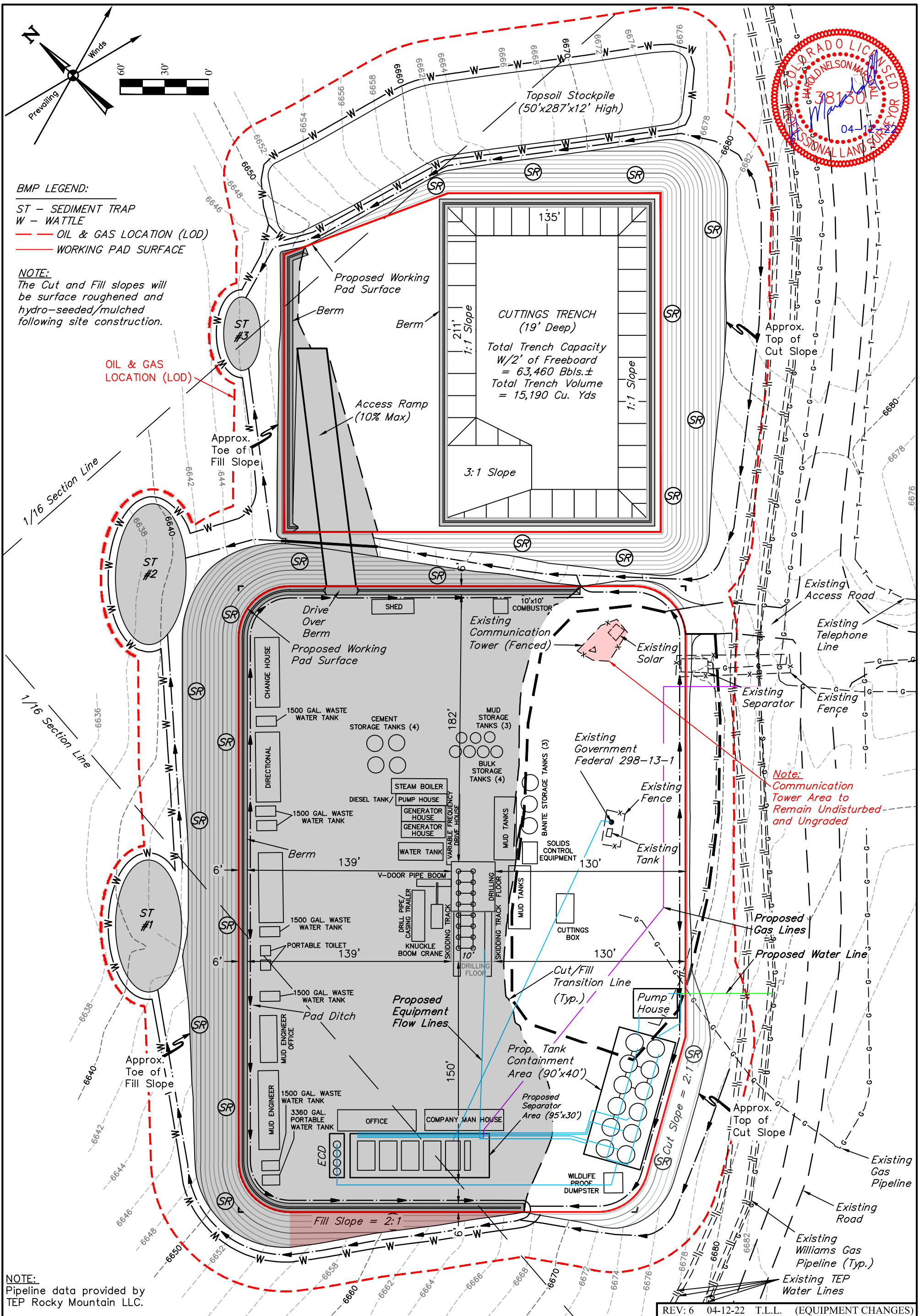
**FEDERAL 298-13-1 PAD**  
 LOTS 9, 11 & 12, SECTION 13, T2S, R98W, 6th P.M.  
 RIO BLANCO COUNTY, COLORADO

SURVEYED BY	BART HUNTING	07-21-21	SCALE
DRAWN BY	J.J.	09-21-21	1" = 60'

**FINAL CONSTRUCTION GRADING**



**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017



**BMP LEGEND:**  
 ST - SEDIMENT TRAP  
 W - WATTLE  
 --- OIL & GAS LOCATION (LOD)  
 --- WORKING PAD SURFACE

**NOTE:**  
 The Cut and Fill slopes will be surface roughened and hydro-seeded/mulched following site construction.

**Note:**  
 Communication Tower Area to Remain Undisturbed and Ungraded

**NOTE:**  
 Pipeline data provided by TEP Rocky Mountain LLC.

REV: 6 04-12-22 T.L.L. (EQUIPMENT CHANGES)

- NOTES:**
- Combustor is to be located a min. of 100' from the wellhead.
  - Contours shown at 2' intervals.

**TEP Rocky Mountain LLC**

**FEDERAL 298-13-1 PAD**  
 LOTS 9, 11 & 12, SECTION 13, T2S, R98W, 6th P.M.  
 RIO BLANCO COUNTY, COLORADO

SURVEYED BY	BART HUNTING	07-21-21	SCALE
DRAWN BY	J.J.	09-21-21	1" = 60'

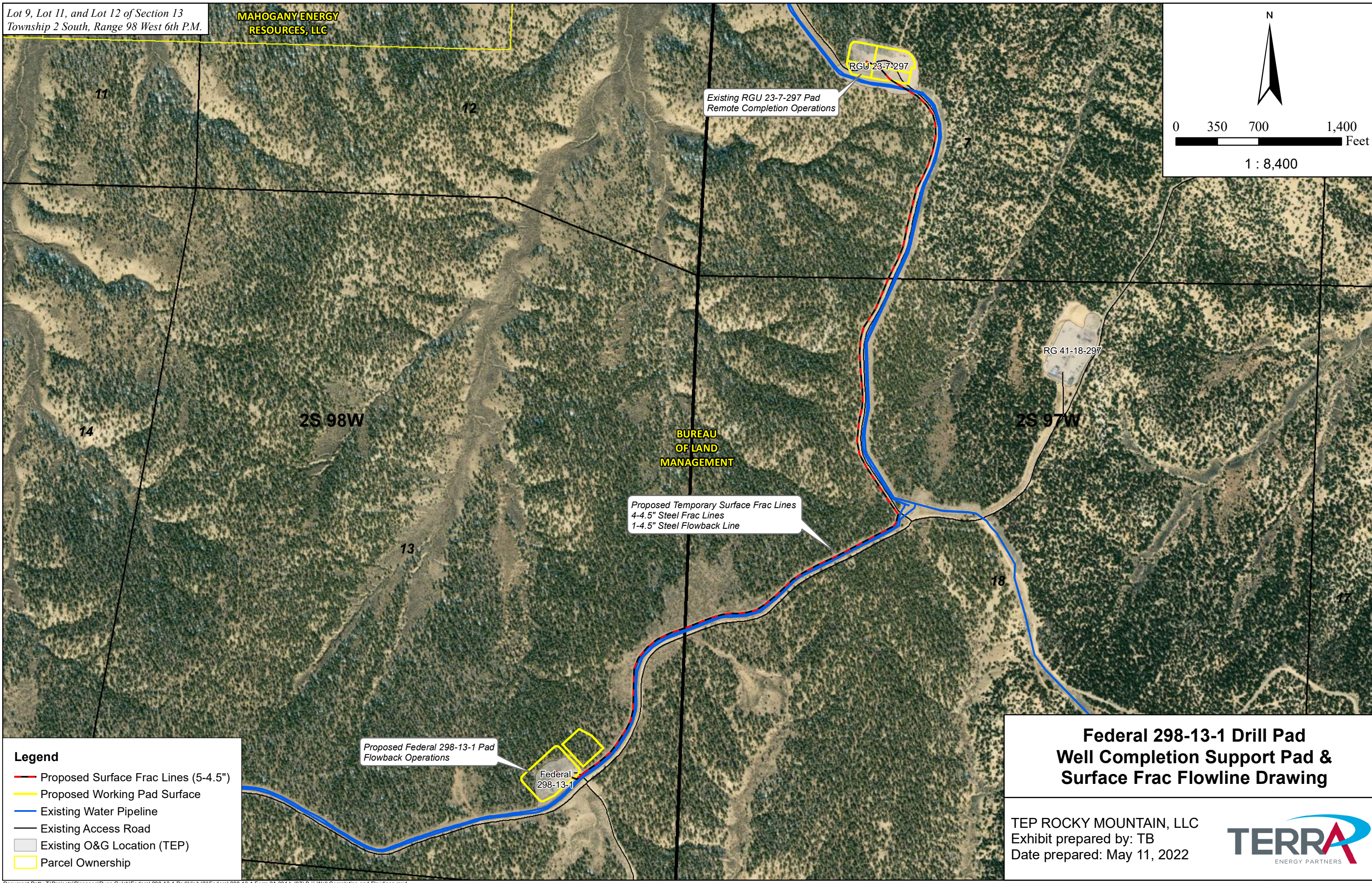
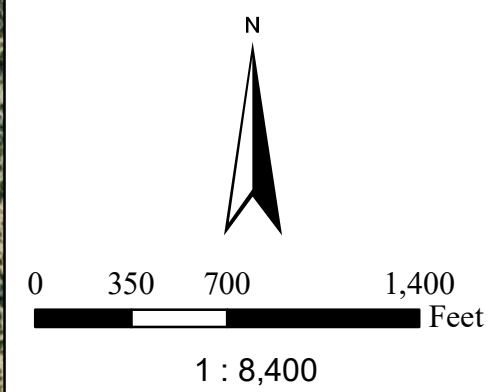
**PRELIMINARY DRILLING RIG LAYOUT DRAWING**



**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017

Lot 9, Lot 11, and Lot 12 of Section 13  
Township 2 South, Range 98 West 6th P.M.

**MAHOGANY ENERGY  
RESOURCES, LLC**



**BUREAU  
OF LAND  
MANAGEMENT**

**2S 98W**

**2S 97W**

RGU 23-7-297

RG 41-18-297

Federal 298-13-1

- Legend**
- Proposed Surface Frac Lines (5-4.5")
  - Proposed Working Pad Surface
  - Existing Water Pipeline
  - Existing Access Road
  - Existing O&G Location (TEP)
  - Parcel Ownership

**Federal 298-13-1 Drill Pad  
Well Completion Support Pad &  
Surface Frac Flowline Drawing**

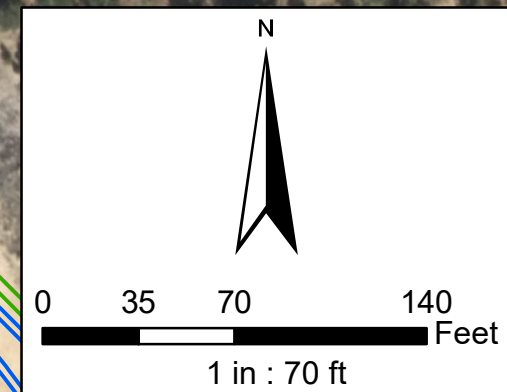
TEP ROCKY MOUNTAIN, LLC  
Exhibit prepared by: TB  
Date prepared: May 11, 2022





**Legend**

● Production Gas Well	— Proposed Frac Line
○ Proposed Wells	— Produced Water, Active
— Proposed Drive Over Berm	— Williams Pipeline
— Proposed Cellar	— C01 - Blender
— Proposed Working Pad Surface	■ C02 - Flare
— Proposed Cuttings Trench	■ C03 - Frac Pump
— Proposed Pad Berm	■ C04 - Frac Pump Manifold
— Proposed Oil and Gas Location	■ C05 - Frac Tank (500bbl)
— Proposed Production Equipment	■ C06 - Sand Cone
— Proposed Access Road	■ C07 - Water Pump

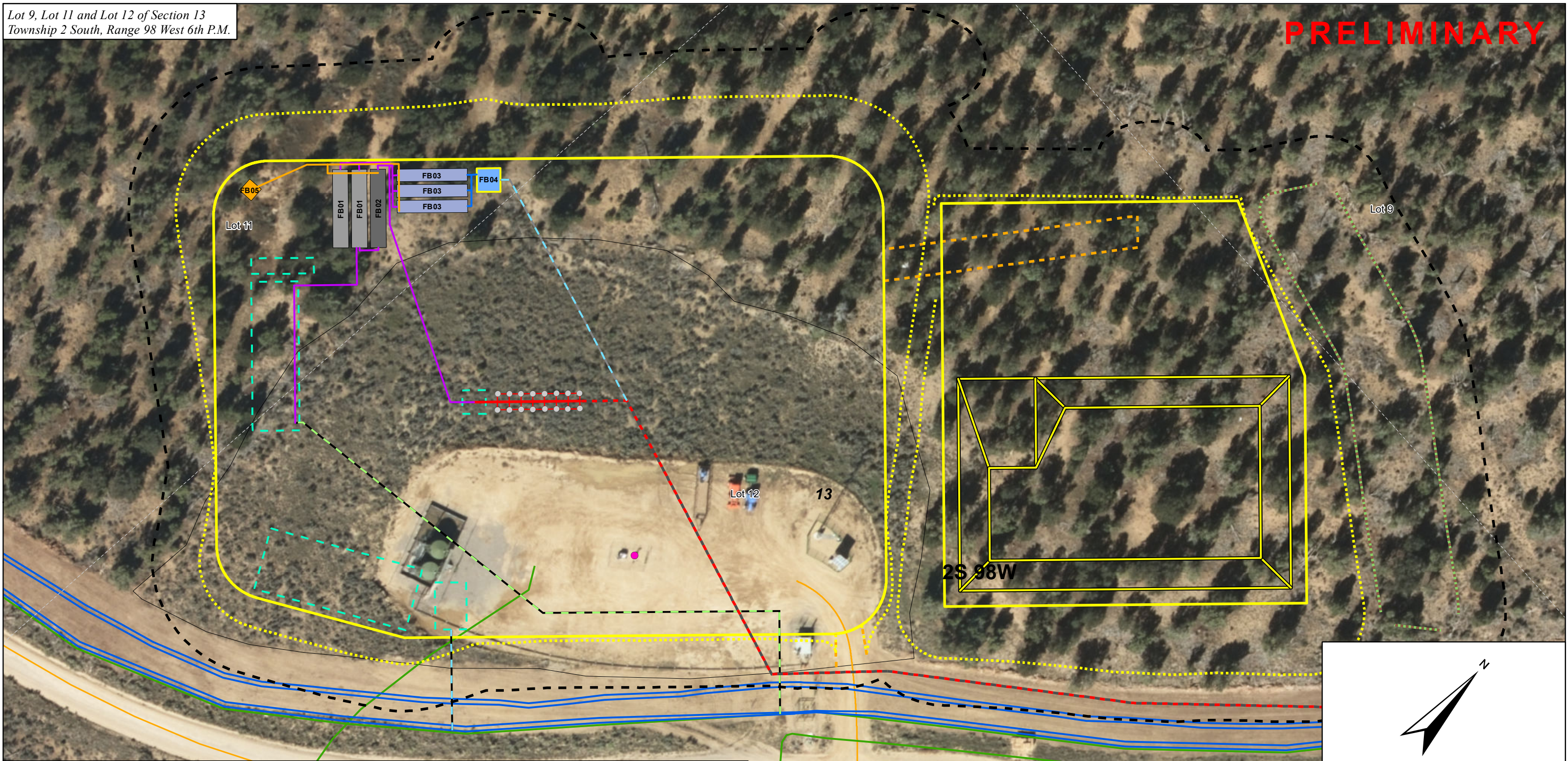


- Notes:**
- 1) Exhibit depicts the preliminary frac equipment layout on the RGU 23-7-297 Pad (COGCC Loc ID: 316408) supporting remote well completion operations for the proposed wells on the Federal 298-13-1 pad.
  - 2) Seventy (46) total frac tanks. Total Capacity 23,000bbls. Working Capacity 20,700bbls.
  - 3) Frac tank will be place within a lined containment structure.
  - 4) Two- and one-half foot (2.5') high perimeter berm will be in place along the fill side of the oil and gas location during completion operations.
  - 5) Equipment used during well completion operations may vary depending to on availability at the time of operations.
  - 6) Equipment location may vary depending on site conditions and availability of space on the site during well completions operations.

**Federal 298-13-1 Pad  
Preliminary Well Completion & Stimulation  
Layout Drawing on RGU 23-7-297 Pad**

TEP ROCKY MOUNTAIN, LLC  
Exhibit prepared by: TB  
Date prepared: May 5, 2022





Legend		
<span style="color: pink;">●</span> Existing Gas Well	<span style="background-color: #cccccc; border: 1px solid black; padding: 2px;"> </span> FB01 - HP 4-Phase Separator	<span style="color: red; font-weight: bold;">---</span> Proposed Surface Frac Lines (5-4.5")
<span style="color: grey;">●</span> Proposed Gas Well	<span style="background-color: #333333; border: 1px solid black; padding: 2px;"> </span> FB02 - LP P-Tank	<span style="color: cyan; font-weight: bold;">---</span> Proposed Flowback Line (1-4.5")
<span style="color: cyan; font-weight: bold;">---</span> Proposed Production Equipment	<span style="background-color: #6666ff; border: 1px solid black; padding: 2px;"> </span> FB03 - Produced Water Tank	<span style="color: green; font-weight: bold;">---</span> Proposed Gas Pipeline
<span style="color: red; font-weight: bold;">---</span> Proposed Cellar	<span style="background-color: #ffff66; border: 1px solid black; padding: 2px;"> </span> FB04 - Water Pump	<span style="color: blue; font-weight: bold;">---</span> Proposed Water Pipeline
<span style="color: yellow; font-weight: bold;">---</span> Proposed Working Pad Surface	<span style="background-color: #ff9900; border: 1px solid black; padding: 2px;"> </span> FB05 - Enclosed Combustion Device	<span style="color: blue; font-weight: bold;">---</span> Existing Produced Water Pipeline
<span style="color: yellow; font-weight: bold;">---</span> Proposed Cuttings Trench	<span style="color: orange; font-weight: bold;">---</span> Proposed Flare Line	<span style="color: green; font-weight: bold;">---</span> Williams Pipeline
<span style="color: yellow; font-weight: bold;">---</span> Proposed Daylight Line	<span style="color: purple; font-weight: bold;">---</span> Proposed Flowline	<span style="color: orange; font-weight: bold;">---</span> Lease Road
<span style="color: black; font-weight: bold;">---</span> Proposed Limit of Disturbance	<span style="color: blue; font-weight: bold;">---</span> Proposed Transfer Hose	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Existing Pad
<span style="color: orange; font-weight: bold;">---</span> Proposed Road	<span style="color: red; font-weight: bold;">---</span> Proposed Wellhead Manifold	
<span style="color: green; font-weight: bold;">---</span> Proposed Topsoil Stockpile		

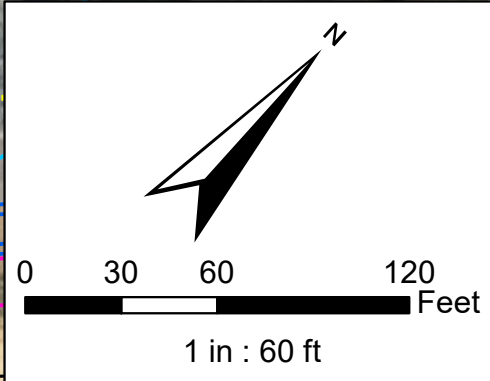
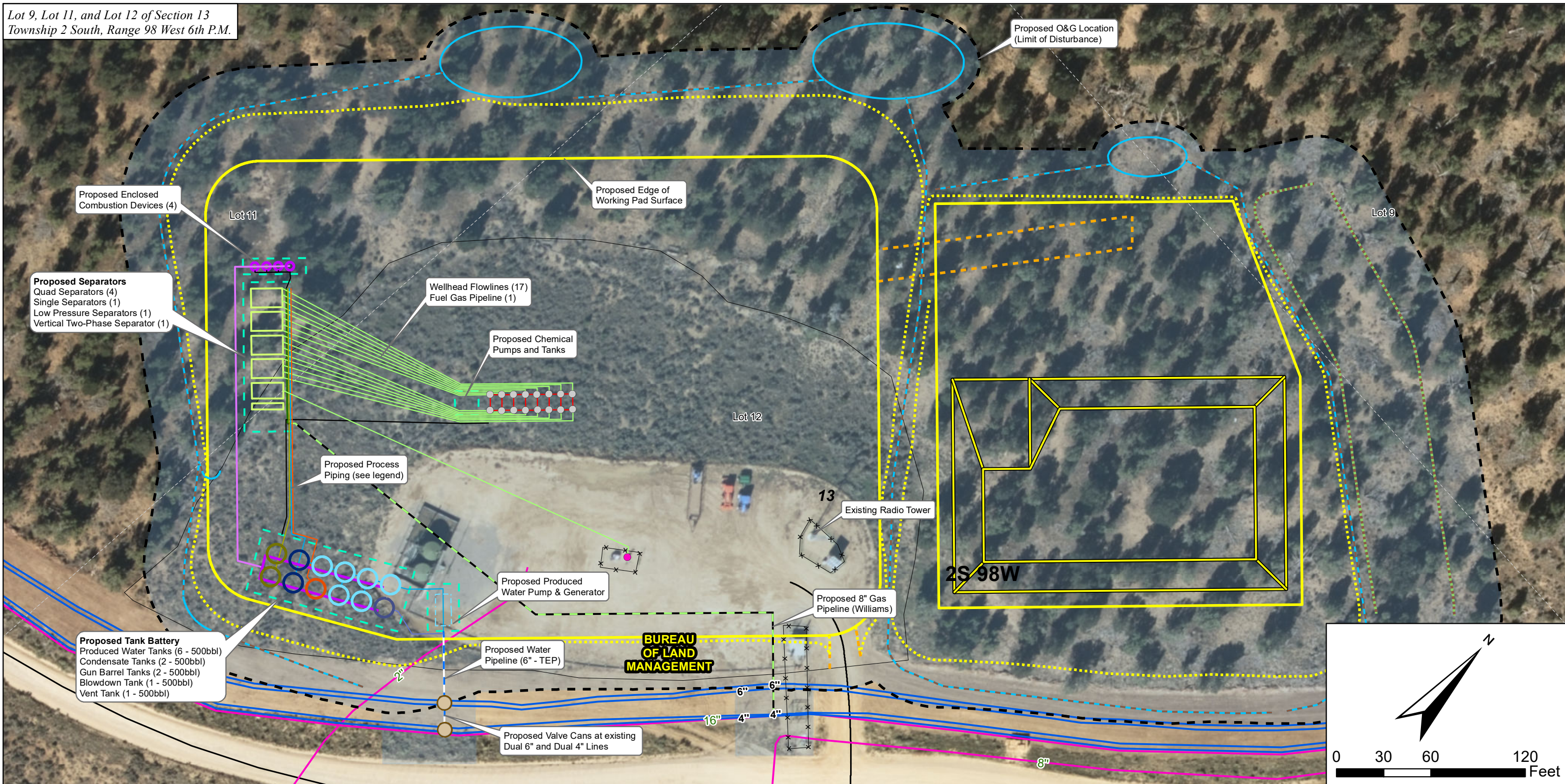
Notes:  
 1) Equipment used during flowback operation may vary depending on availability at the time of operations.  
 2) Equipment location may vary depending on site conditions and availability of space on the site during well completions operations.  
 3) Please see the Construction Layout for site specific storm water control measures.

**Federal 298-13-1 Pad  
Preliminary Flowback Equipment  
Layout Drawing**

TEP ROCKY MOUNTAIN, LLC  
 Exhibit prepared by: TB  
 Date prepared: April 7, 2022



Lot 9, Lot 11, and Lot 12 of Section 13  
Township 2 South, Range 98 West 6th P.M.



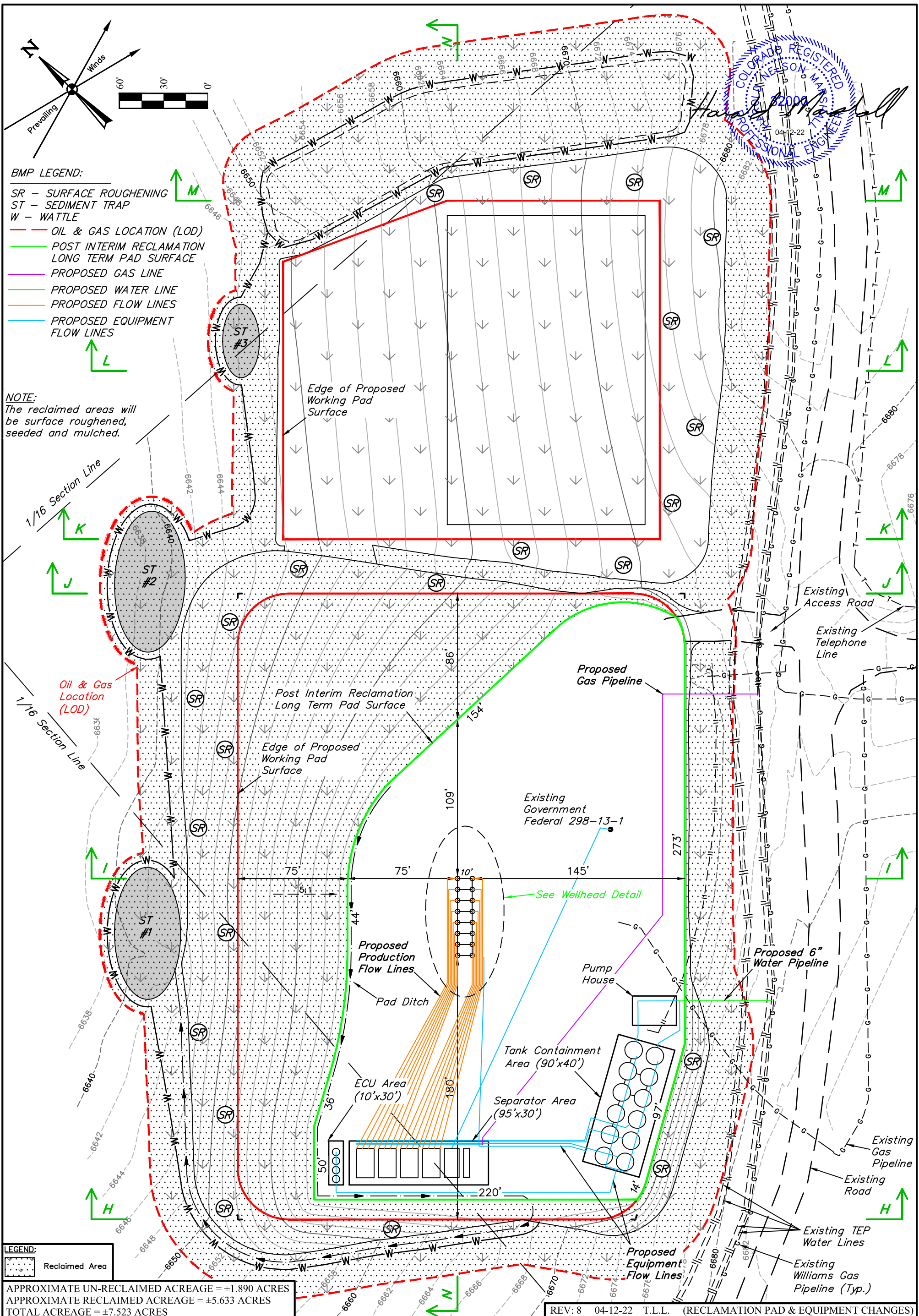
**Legend**

- |                                 |  |                                    |                             |
|---------------------------------|--|------------------------------------|-----------------------------|
| ● Existing Gas Well             | — Proposed Gas Sales Line                        | — Proposed Cellar                  | □ Parcel Ownership          |
| ○ Proposed Gas Well             | — Proposed Wellhead Flowline                     | — Proposed Working Pad Surface     | — Existing Access Road      |
| ● Proposed Valve Can            | — Proposed Fuel Gas Line                         | — Proposed Cuttings Trench         | □ Existing Pad (TEP)        |
| — Proposed Water Pump/Generator | — Proposed Produced Water Dump Line              | — Proposed Daylight Line           | ■ Proposed Disturbance Area |
| — Proposed Water Tank           | — Proposed Condensate Dump Line                  | — Proposed O&G Location (LOD)      |                             |
| — Proposed Gun Barrel           | — Proposed Vent Line                             | — Proposed Access Road             |                             |
| — Proposed Separators           | — Proposed Blowdown Line                         | — Proposed Topsoil Stockpile       |                             |
| — Proposed Condensate Tank      | — Proposed Process Piping (ECD)                  | × Existing Fence                   |                             |
| — Proposed Blowdown Tank        | — Proposed Gas Pipeline (8")                     | — Stormwater Controls              |                             |
| — Proposed Vent Tank            | — Proposed Produced Water Line (1 - 6" Coreline) | — Existing Produced Water Pipeline |                             |
| — Proposed ECD                  | — Proposed Production Equipment                  | — Existing Williams Pipeline       |                             |

**Federal 298-13-1 Pad  
Oil and Gas Facilities Layout Drawing  
Site Construction**

TEP ROCKY MOUNTAIN, LLC  
Exhibit prepared by: TB  
Date prepared: April 7, 2022





- BMP LEGEND:**
- SR - SURFACE ROUGHENING
  - ST - SEDIMENT TRAP
  - W - WATTLE
  - OIL & GAS LOCATION (LOD)
  - POST INTERIM RECLAMATION LONG TERM PAD SURFACE
  - PROPOSED GAS LINE
  - PROPOSED WATER LINE
  - PROPOSED FLOW LINES
  - PROPOSED EQUIPMENT FLOW LINES

**NOTE:**  
The reclaimed areas will be surface roughened, seeded and mulched.

Harold Marshall  
 COLORADO REGISTERED PROFESSIONAL ENGINEER  
 04-12-22  
 T.L.L.

**LEGEND:**  
 Reclaimed Area

APPROXIMATE UN-RECLAIMED ACREAGE = ±1.890 ACRES  
 APPROXIMATE RECLAIMED ACREAGE = ±5.633 ACRES  
 TOTAL ACREAGE = ±7.523 ACRES

**NOTES:**  
 • Contours shown at 2' intervals.

**NOTE:**  
 Pipeline data provided by TEP Rocky Mountain LLC.

REV: 8 04-12-22 T.L.L. (RECLAMATION PAD & EQUIPMENT CHANGES)

**TEP Rocky Mountain LLC**

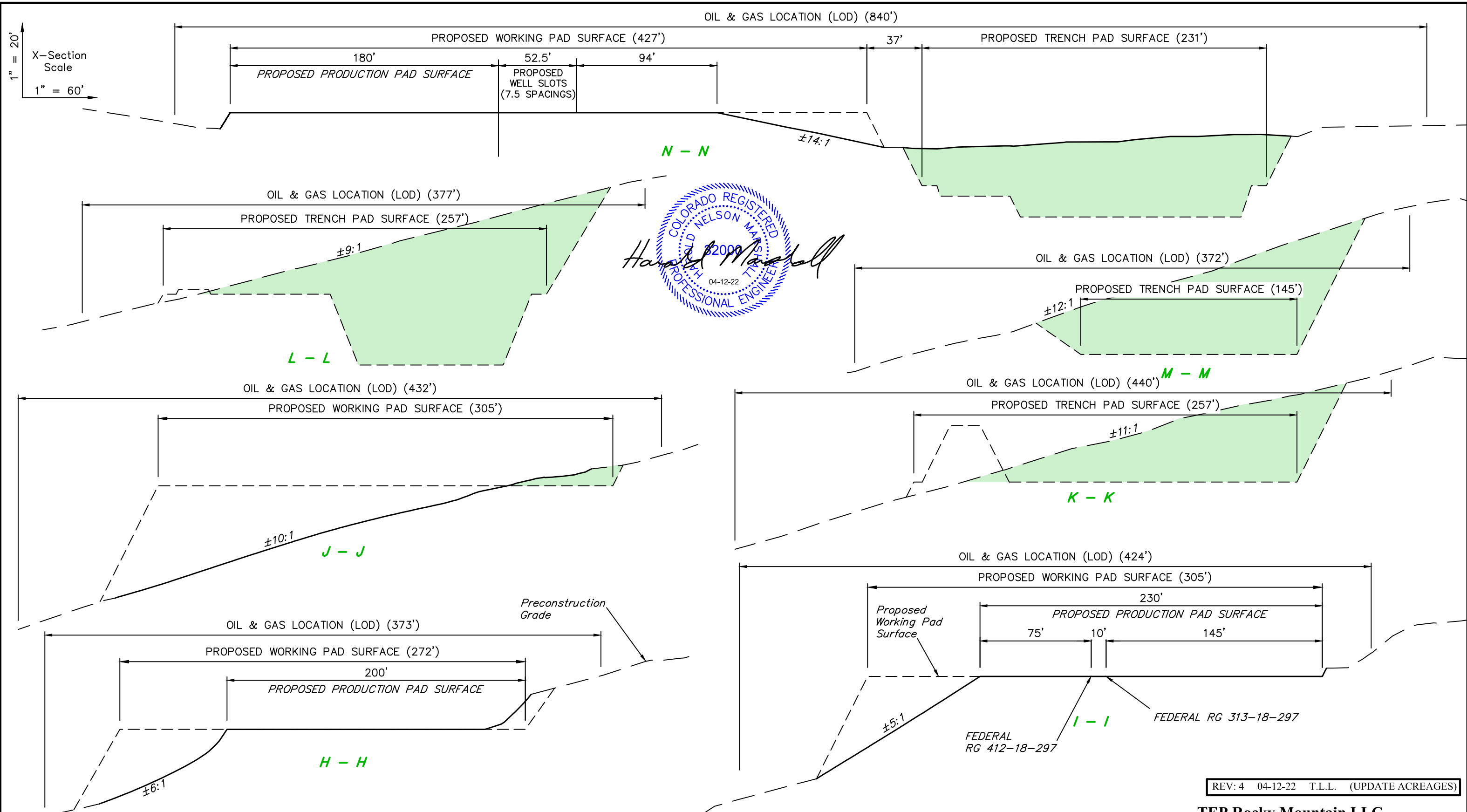
**FEDERAL 298-13-1 PAD**  
 LOTS 9, 11 & 12, SECTION 13, T2S, R98W, 6th P.M.  
 RIO BLANCO COUNTY, COLORADO

SURVEYED BY	BART HUNTING	07-21-21	SCALE
DRAWN BY	J.J.	09-21-21	1" = 60'

**INTERIM RECLAMATION LAYOUT-PLAN VIEW**



**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017



Harold Marshall  
 COLORADO REGISTERED PROFESSIONAL ENGINEER  
 NO. 2009  
 04-12-22

**NOTE:**  
Reclaim Slopes Vary as Shown.

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
INTERIM RECLAMATION AREA	N/A	±1.874
UN-RECLAIMED ROAD DISTURBANCE (WITHIN LOD AREA)	N/A	±0.016
<b>TOTAL SURFACE USE AREA</b>		<b>±1.890</b>

REV: 4 04-12-22 T.L.L. (UPDATE ACREAGES)

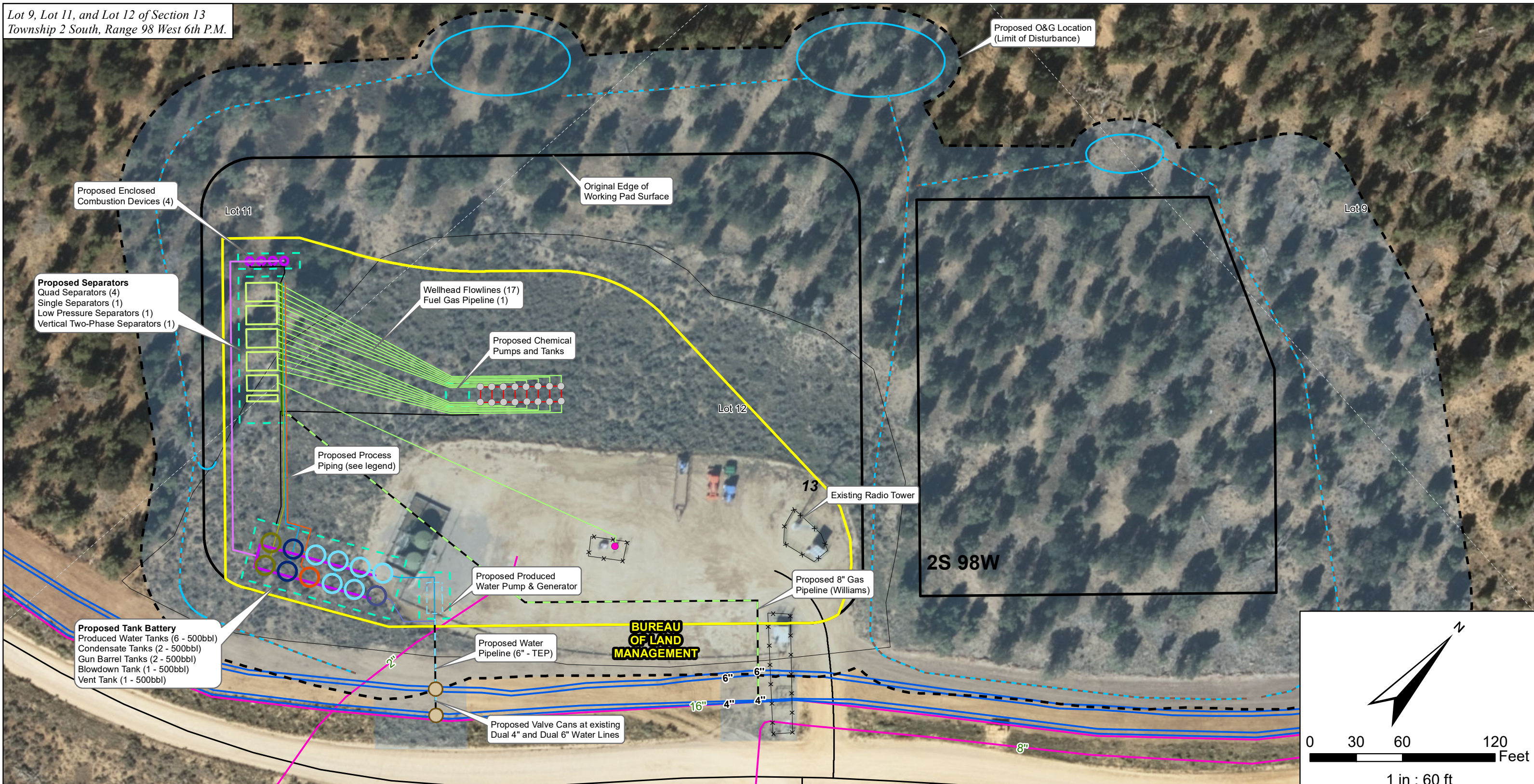
**TEP Rocky Mountain LLC**

**FEDERAL 298-13-1 PAD**  
**LOTS 9, 11 & 12, SECTION 13, T2S, R98W, 6th P.M.**  
**RIO BLANCO COUNTY, COLORADO**

<b>SURVEYED BY</b>	BART HUNTING	07-21-21	<b>SCALE</b>
<b>DRAWN BY</b>	J.J.	09-21-21	AS SHOWN

**INTERIM RECLAMATION CROSS SECTIONS**

Lot 9, Lot 11, and Lot 12 of Section 13  
Township 2 South, Range 98 West 6th P.M.



Proposed Enclosed Combustion Devices (4)

**Proposed Separators**  
Quad Separators (4)  
Single Separators (1)  
Low Pressure Separators (1)  
Vertical Two-Phase Separators (1)

Wellhead Flowlines (17)  
Fuel Gas Pipeline (1)

Proposed Chemical Pumps and Tanks

Proposed Process Piping (see legend)

Proposed Produced Water Pump & Generator

**Proposed Tank Battery**  
Produced Water Tanks (6 - 500bbl)  
Condensate Tanks (2 - 500bbl)  
Gun Barrel Tanks (2 - 500bbl)  
Blowdown Tank (1 - 500bbl)  
Vent Tank (1 - 500bbl)

Proposed Water Pipeline (6\" - TEP)

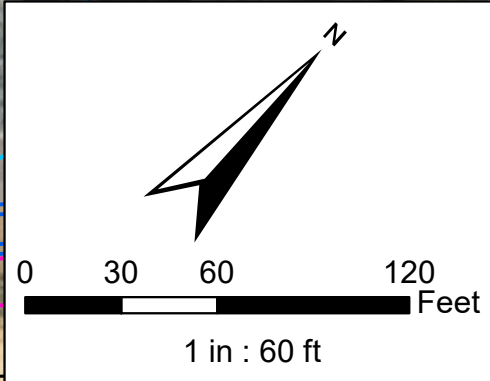
Proposed Valve Cans at existing Dual 4\" and Dual 6\" Water Lines

Existing Radio Tower

Proposed 8\" Gas Pipeline (Williams)

**BUREAU OF LAND MANAGEMENT**

Proposed O&G Location (Limit of Disturbance)



Legend			
● Existing Gas Well	— Proposed Blowdown Tank	— Proposed Process Piping (ECD)	▭ Parcel Ownership
○ Proposed Gas Well	— Proposed Vent Tank	▭ Proposed Production Pad	— Existing Access Road
● Proposed Valve Can	— Proposed ECD	▭ Proposed Production Equipment	▭ Existing Pad (TEP)
— Proposed Gas Pipeline (8\"	— Proposed Gas Sales Line	— Proposed Cellar	▭ Proposed Disturbance Area
— Proposed Water Pipeline (6\"	— Proposed Wellhead Flowline	— Original Working Pad Surface	
— Proposed Water Pump/Generator	— Proposed Fuel Gas Line	— Proposed O&G Location (LOD)	
— Proposed Water Tank	— Proposed Produced Water Dump Line	— Existing Fence	
— Proposed Gun Barrel	— Proposed Condensate Dump Line	— Stormwater Controls	
— Proposed Separators	— Proposed Vent Line	— Existing Produced Water Pipeline	
— Proposed Condensate Tank	— Proposed Blowdown Line	— Existing Williams Pipeline	

## Federal 298-13-1 Pad Oil and Gas Facilities Layout Drawing Interim Reclamation

TEP ROCKY MOUNTAIN, LLC  
Exhibit prepared by: TB  
Date prepared: April 7, 2022

