

# Additional Information Corrected



July 17, 2019

Attn: Michael McMillan  
NM Oil Conservation Division  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

Re: Application for Administrative Approval of Pool/Lease Commingle and CTB

Dear Mr. McMillan,

COG Operating LLC, respectfully requests approval for off-lease measurement and lease/pool commingling for the following wells:

Boone 16 State Com #1H  
API #30-025-41200  
WC-025 G-08 S213304D; Bone Spring  
Sec. 16-T21S-R33E, SHL 190' FSL, 330' FEL  
Sec. 16-T21S-R33E, BHL 341' FNL, 394' FEL  
Lea County, NM

Boone 16 State Com #2H  
API #30-025-41049  
WC-025 G-08 S213304D; Bone Spring  
Sec. 16-T21S-R33E, SHL 190' FSL, 1980' FEL  
Sec. 16-T21S-R33E, BHL 4945' FSL, 2045' FEL  
Lea County, NM

Boone 16 State Com #3H  
API #30-025-43553  
WC-025 G-10 S2133280; Wolfcamp  
Sec. 21-T21S-R33E, SHL 350' FNL, 2120' FWL  
Sec. 09-T21S-R33E, BHL 202' FNL, 2128' FWL  
Lea County, NM

Boone 16 State Com #4H  
API #30-025-45599  
WC-025 G-08 S213304D; Bone Spring  
Sec. 21-T21S-R33E, SHL 400' FNL, 660' FWL  
Sec. 09-T21S-R33E, BHL 50' FNL, 660' FWL  
Lea County, NM

Corazon State Unit #1H  
API #30-025-40741  
WC-025 G-08 S213304D; Bone Spring  
Sec. 3-T21S-R33E, SHL 100' FSL, 330' FEL  
Sec. 3-T21S-R33E, BHL 7563' FSL, 509' FEL  
Lea County, NM

Corazon State Unit #2H  
API #30-025-40945  
WC-025 G-08 S213304D; Bone Spring  
Sec. 3-T21S-R33E, SHL 100' FSL, 1980' FEL  
Sec. 3-T21S-R33E, BHL 540' FNL, 2052' FEL  
Lea County, NM

Corazon State Unit #3H  
API #30-025-40946  
WC-025 G-08 S213304D; Bone Spring  
Sec. 3-T21S-R33E, SHL 100' FSL, 1980' FWL  
Sec. 3-T21S-R33E, BHL 1541' FSL, 1915' FWL  
Lea County, NM

Corazon State Unit #5H  
API #30-025-40947  
WC-025 G-08 S213304D; Bone Spring  
Sec. 3-T21S-R33E, SHL 100' FSL, 330' FWL  
Sec. 3-T21S-R33E, BHL 344' FNL, 685' FWL  
Lea County, NM

Corazon State Unit #6H  
API #30-025-40948  
WC-025 G-08 S213304D; Bone Spring  
Sec. 10-T21S-R33E, SHL 100' FNL, 330' FWL  
Sec. 10-T21S-R33E, BHL 341' FSL, 447' FWL  
Lea County, NM

Corazon State Unit #7H  
API #30-025-40949  
WC-025 G-08 S213304D; Bone Spring  
Sec. 10-T21S-R33E, SHL 100' FNL, 1980' FWL  
Sec. 10-T21S-R33E, BHL 360' FSL, 2015' FWL  
Lea County, NM

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**CORPORATE ADDRESS**

ONE CONCHO CENTER | 600 WEST ILLINOIS AVENUE | MIDLAND, TEXAS 79701  
P 432.683.7443 | F 432.683.7441

**ARTESIA WEST OFFICE**

2208 MAIN STREET | ARTESIA, NEW MEXICO 88210  
P 575.748.6940 | F 575.746.2096

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NM Oil Conservation Division

Pool/Lease Commingle

July 17, 2019

Corazon State Unit #8H

API #30-025-40950

WC-025 G-08 S213304D; Bone Spring

Sec. 10-T21S-R33E, SHL 100' FNL, 1980' FEL

Sec. 10-T21S-R33E, BHL 4945' FNL, 1903' FEL

Lea County, NM

Corazon State Unit #9H

API #30-025-40951

WC-025 G-08 S213304D; Bone Spring

Sec. 10-T21S-R33E, SHL 100' FNL, 330' FEL

Sec. 10-T21S-R33E, BHL 343' FSL, 363' FEL

Lea County, NM

Warbler State Com #4H

API #30-025-43310

WC-025 G-08 S213304D; Bone Spring

Sec. 16-T21S-R33E, SHL 120' FSL, 530' FEL

Sec. 28-T21S-R33E, BHL 204' FSL, 343' FEL

Lea County, NM

#### **Oil Production:**

##### **Boone Lease**

Boone 16 St Com #1H – Oil is stored and sold **off-lease** at the **#2H Battery** located in UL O.

Boone 16 St Com #2H – Oil is stored and sold **on-lease** at the **#2H Battery**.

Boone 16 St Com #3H & #4H – Oil is stored and sold **off-lease** at the **16O CTB** located in UL O.

##### **Corazon Lease**

Corazon St Unit #1H, #2H, #3H & #5H – Oil is stored and sold **on-lease** at the **Sec. 3 CTB** located in UL N.

Corazon St Unit #6H, #7H, #8H & #9H – Oil is stored and sold **on-lease** at the **Sec. 10 CTB** located in UL C.

##### **Warbler Lease**

Warbler St Com #4H - Oil is stored and sold **off-lease** at the **#2H Battery** located in UL O.

#### **Gas Production:**

##### **Boone Lease**

Boone 16 St Com #1H, #2H, #3H & #4H

Gas is metered and sold **off-lease** at either the DCP meter #15793 located in UL P of Sec. 3-T21S-R33E or the ETC meter # 68868-01(A) located in UL D of Sec. 22 T21S-R33E.

##### **Corazon Lease**

Corazon St Unit #1H, #2H, #3H & #5H

Gas is metered and sold **on-lease** at the **DCP meter #15793** located in UL P of Sec. 3-T21S-R33E or **off-lease** at the **ETC meter # 68868-01(A)** located in UL D of Sec. 22 T21S-R33E.

Corazon St Unit #6H, #7H, #8H & #9H

Gas is metered and sold **off-lease** at either the DCP meter #15793 located in UL P of Sec. 3-T21S-R33E or the ETC meter # 68868-01(A) located in UL D of Sec. 22 T21S-R33E.

##### **Warbler Lease**

Warbler St Com #4H

Gas is metered and sold **off-lease** at either the DCP meter #15793 located in UL P of Sec. 3-T21S-R33E or the ETC meter # 68868-01(A) located in UL D of Sec. 22 T21S-R33E.

Page 3  
NM Oil Conservation Division  
Pool/Lease Commingle  
July 16, 2019

The oil production from all wells will be measured separately on-lease by allocation meter prior to being commingled at the Central Tank. In addition, oil production from all wells may also be transported by truck to either the Red Hills Offload Station, located in Unit O, Section 4-T26S-R32E, or the Jal Offload Station, located in Unit D, Section 4-T26S-R37E, Lea County in the event the CTB on lease is over capacity or in the case of battery or pipeline repairs. In this case the oil will remain segregated and will be measured by lact meter when offloading at said stations.

All owners of interest have been notified by certified mail that should they have an objection to this off-lease measurement and surface commingling, they must file a formal protest with the NMOCD within 20 days of the date of this application. Proof of owner notification is enclosed.

Please see the enclosed Administrative Application Checklist, C-107B Application for Surface Commingling, plats for referenced wells, site facility diagrams, maps with lease boundaries showing wells and facility locations as well as prior month's production.

Thank you for your attention to this matter.

Sincerely,

  
Bobbie J Goodloe  
Regulatory Analyst

Enclosures  
xc: Artesia OCD

## McMillan, Michael, EMNRD

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**From:** Bobbie Goodloe <BGoodloe@concho.com>  
**Sent:** Tuesday, August 6, 2019 10:22 AM  
**To:** McMillan, Michael, EMNRD  
**Subject:** RE: Boone 16 State Com Well No. 1H Surface commingle  
**Attachments:** Boone State 16O SFD - updated 8-6-19.pdf; Boone 16 St #2H Battery SFD - updated 8-6-19.pdf; Boone-Corazon-Warbler Area Lease Map.pdf

Well dang it! I'm having a heck of a day.... Let's try this again.

I hope I have now sent you the requested information:

The Boone SFD's attached to this email include all Boone wells, split into 2 separate diagrams, the Boone St 16O CTB includes the Boone 16 St Com #3H & #4H, and the Boone 16 St Com #2H Battery includes the Boone 16 St Com #1H, #2H and the Warbler St Com #4H. I have also corrected the labeling of the diagrams to show the appropriate name and location of each.

I updated the letter to include the unit letters of gas meter locations, and have stated that the oil & gas from all wells will be metered separately prior to commingling and forwarded it to you yesterday.

I previously sent you an Excel spreadsheet showing the names, API #'s, horizontal spacing and the Pool Name and Pool Code of each as requested.

I'm praying that this will fix all the prior issues.... Fingers crossed!

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**From:** McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>  
**Sent:** Tuesday, August 6, 2019 8:37 AM  
**To:** Bobbie Goodloe <BGoodloe@concho.com>  
**Cc:** Debora Wilbourn <DWilbourn@concho.com>  
**Subject:** [External] RE: Boone 16 State Com Well No. 1H Surface commingle

Your facility diagram does not show the 4H well

Michael McMillan  
1220 South St. Francis  
Santa Fe, New Mexico  
505-476-3448  
[Michael.mcmillan@state.nm.us](mailto:Michael.mcmillan@state.nm.us)

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**From:** Bobbie Goodloe <[BGoodloe@concho.com](mailto:BGoodloe@concho.com)>  
**Sent:** Tuesday, August 6, 2019 8:05 AM  
**To:** McMillan, Michael, EMNRD <[Michael.McMillan@state.nm.us](mailto:Michael.McMillan@state.nm.us)>  
**Cc:** Debora Wilbourn <[DWilbourn@concho.com](mailto:DWilbourn@concho.com)>  
**Subject:** RE: Boone 16 State Com Well No. 1H Surface commingle

Good Morning Mike,  
You were correct, the diagram was mislabeled. The Boone 16 St Com #3H Battery is located in UL O of Sec. 16. The lat/longs are correct. I have attached an updated SFD as well as an updated lease map.

Hopefully this will be all you need...sorry for all the confusion.

Bobbie

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**From:** Bobbie Goodloe  
**Sent:** Tuesday, August 6, 2019 7:44 AM  
**To:** McMillan, Michael, EMNRD <[Michael.McMillan@state.nm.us](mailto:Michael.McMillan@state.nm.us)>  
**Subject:** RE: Boone 16 State Com Well No. 1H Surface commingle

I will get back with you on this...

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**From:** McMillan, Michael, EMNRD <[Michael.McMillan@state.nm.us](mailto:Michael.McMillan@state.nm.us)>  
**Sent:** Monday, August 5, 2019 4:36 PM  
**To:** Bobbie Goodloe <[BGoodloe@concho.com](mailto:BGoodloe@concho.com)>  
**Cc:** Debora Wilbourn <[DWilbourn@concho.com](mailto:DWilbourn@concho.com)>  
**Subject:** [External] RE: Boone 16 State Com Well No. 1H Surface commingle

If these are correct, then the Boone 16 State Com #3H Battery diagram is mislabeled

Mike

Michael McMillan  
1220 South St. Francis  
Santa Fe, New Mexico  
505-476-3448  
[Michael.mcmillan@state.nm.us](mailto:Michael.mcmillan@state.nm.us)

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**From:** McMillan, Michael, EMNRD  
**Sent:** Monday, August 5, 2019 4:34 PM  
**To:** 'Bobbie Goodloe' <[BGoodloe@concho.com](mailto:BGoodloe@concho.com)>  
**Cc:** Debora Wilbourn <[DWilbourn@concho.com](mailto:DWilbourn@concho.com)>  
**Subject:** RE: Boone 16 State Com Well No. 1H Surface commingle

Boone 16 State Com 2H Battery is located in Unit O Section  
16

160 Battery is located in Unit O of Section 16

Boone 16 State Com 3H Battery is located in Unit C Section  
16

Section 3 CTB is located in Unit N, Section 3

Section 10 CTB is located in Unit C, Section 10

Are these the correct locations for the batteries?

Mike

Michael McMillan  
1220 South St. Francis  
Santa Fe, New Mexico  
505-476-3448  
[Michael.mcmillan@state.nm.us](mailto:Michael.mcmillan@state.nm.us)

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**From:** Bobbie Goodloe <[BGoodloe@concho.com](mailto:BGoodloe@concho.com)>  
**Sent:** Monday, August 5, 2019 2:42 PM  
**To:** McMillan, Michael, EMNRD <[Michael.McMillan@state.nm.us](mailto:Michael.McMillan@state.nm.us)>  
**Cc:** Debora Wilbourn <[DWilbourn@concho.com](mailto:DWilbourn@concho.com)>  
**Subject:** RE: Boone 16 State Com Well No. 1H Surface commingle

Here you go Mike! Let me know if you need anything additional!

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**From:** Bobbie Goodloe  
**Sent:** Monday, August 5, 2019 1:06 PM  
**To:** McMillan, Michael, EMNRD <[Michael.McMillan@state.nm.us](mailto:Michael.McMillan@state.nm.us)>  
**Cc:** Debora Wilbourn <[DWilbourn@concho.com](mailto:DWilbourn@concho.com)>  
**Subject:** RE: Boone 16 State Com Well No. 1H Surface commingle

Mike,  
Please find the attached updated letter with the missing information added (Unit letter of gas meters and verification of separate measurement). Sorry about that. Also, I have attached updated Site Diagrams with all wells shown as requested.

Please let me know if you need anything else.!

Thanks,  
Bobbie

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**From:** Bobbie Goodloe  
**Sent:** Monday, August 5, 2019 8:23 AM  
**To:** McMillan, Michael, EMNRD <[Michael.McMillan@state.nm.us](mailto:Michael.McMillan@state.nm.us)>  
**Cc:** Debora Wilbourn <[DWilbourn@concho.com](mailto:DWilbourn@concho.com)>  
**Subject:** RE: Boone 16 State Com Well No. 1H Surface commingle

Good morning Mike,  
I will get the updated site diagram and the requested information to you as soon as possible!

Thank you,  
Bobbie

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**From:** McMillan, Michael, EMNRD <[Michael.McMillan@state.nm.us](mailto:Michael.McMillan@state.nm.us)>  
**Sent:** Friday, August 2, 2019 11:55 AM  
**To:** Bobbie Goodloe <[BGoodloe@concho.com](mailto:BGoodloe@concho.com)>  
**Cc:** Debora Wilbourn <[DWilbourn@concho.com](mailto:DWilbourn@concho.com)>  
**Subject:** [External] Boone 16 State Com Well No. 1H Surface commingle

\*\*\*\* External email. Use caution. \*\*\*\*

Bobbie:

I need the following information

2H battery

Boone 160 CTB needs to show the 3H, must also show theH

Unit letter of the gas meters.

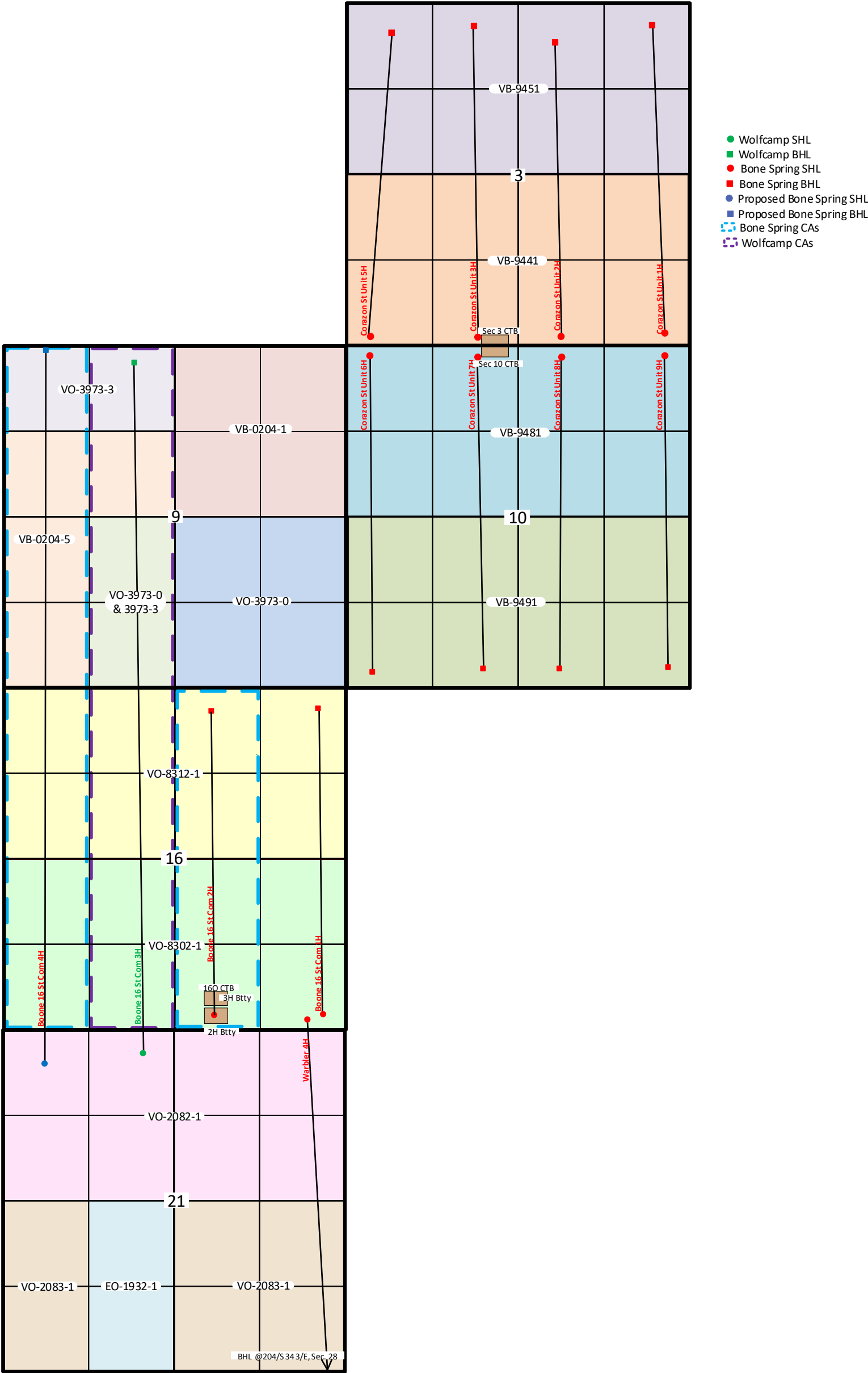
Will each well be measured separately.

Mike

Michael McMillan  
1220 South St. Francis  
Santa Fe, New Mexico  
505-476-3448  
[Michael.mcmillan@state.nm.us](mailto:Michael.mcmillan@state.nm.us)



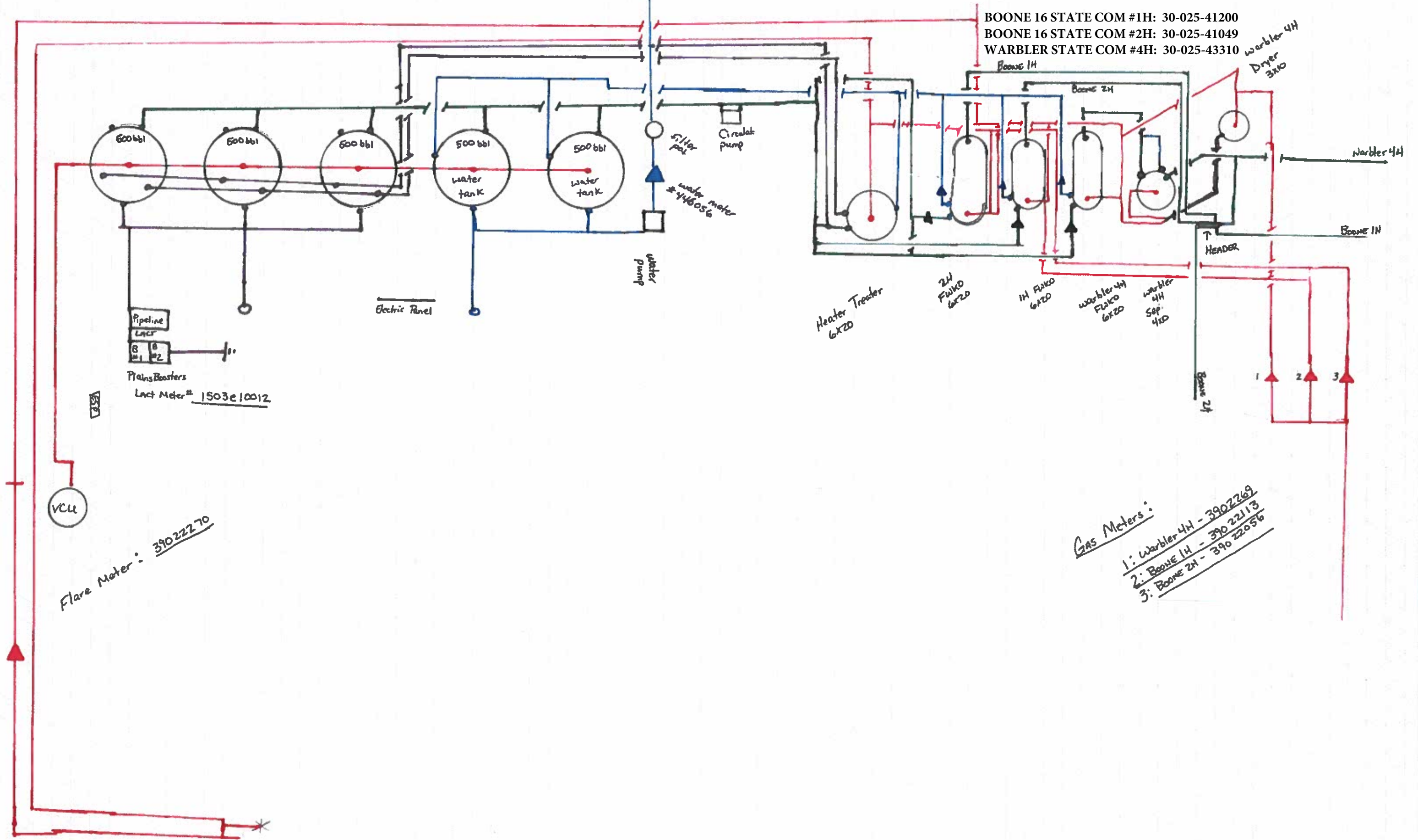
Boone - Corazon State Wells



Sec. 3, 9, 10, 16, 21-T21S-R33E  
Lea County, NM

BOONE 16 STATE COM #2H BATTERY  
SEC: 16/T21S/R33E, UNIT O  
LEA COUNTY, NM

BOONE 16 STATE COM #1H: 30-025-41200  
BOONE 16 STATE COM #2H: 30-025-41049  
WARBLER STATE COM #4H: 30-025-43310



Gas Meters:

1: Warbler 4H -	3902269
2: Boone 1H -	3902213
3: Boone 2H -	3902206

WELLS:  
BOONE 16 STATE COM #003H: 30-025-43553  
BOONE 16 STATE COM #004H: 30-025-45599

## METERS

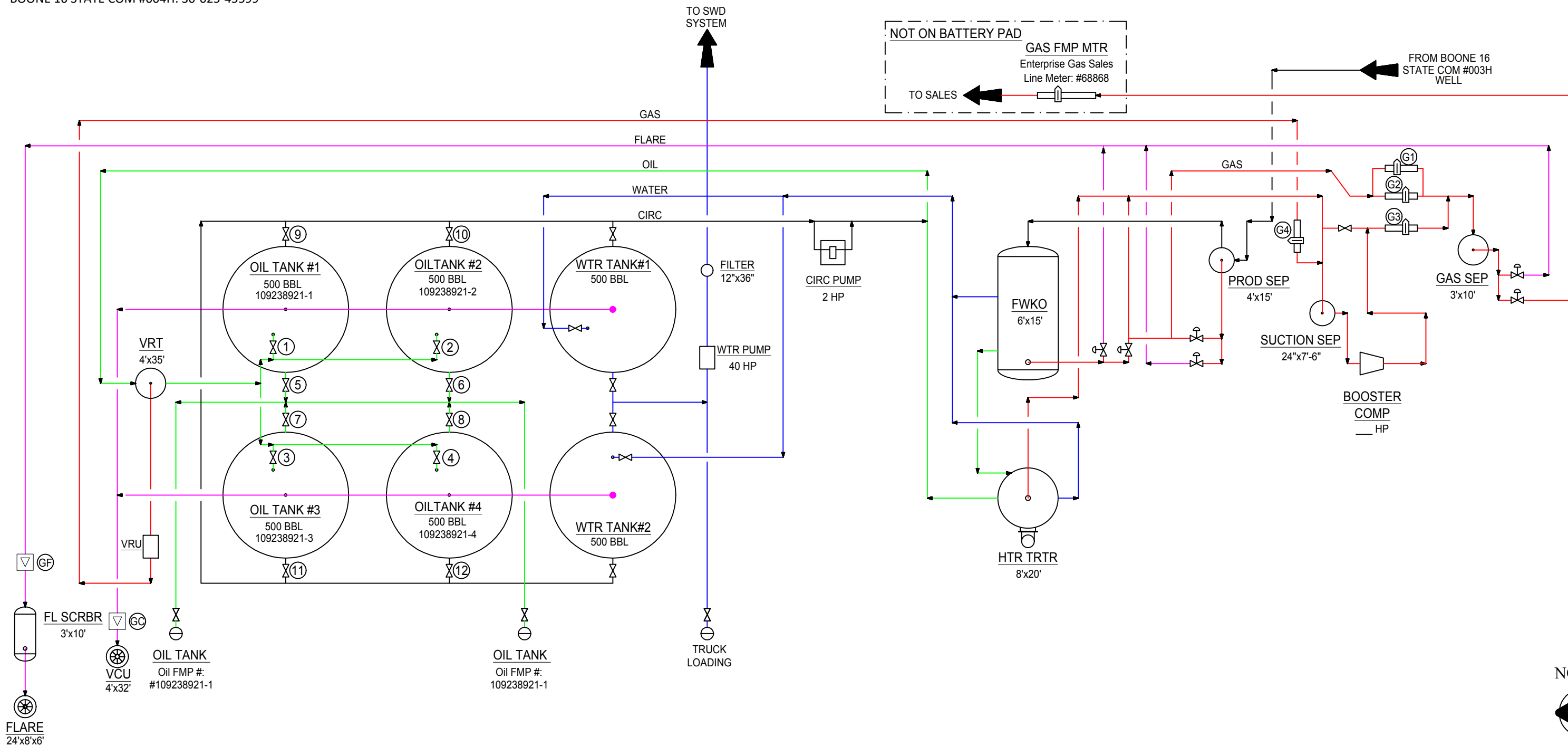
Deduct Meter:	Flare Gas Meter:
(G1): # 39022399	(GF): # _____
Allocation Meter:	VCU Gas Meter:
(G2): # 39022443	(GC): # _____
Booster Meter:	
(G3): # 39022441	
VRU Meter:	
(G4): # 39022442	

Production Phase - Oil Tank #1

- Valve 1 open
- Valves 2, 3, and 4 closed
- Valves 5, 6, 7, and 8 closed
- Valve 9 open
- Valves 10, 11, and 12 closed

Sales Phase - Oil Tank #1

- Valve 1 closed
- Valves 2, 3, or 4 open
- Valve 5 open
- Valves 6, 7, and 8 closed
- Valve 9 closed
- Valves 10, 11, and 12 open



NORTH



**Type of Lease: STATE**  
**State Lease #: VB 20821**  
**Federal Lease SHL #: N/A**  
**CA/Agreement #:**  
**Property Code: 39741**  
**OGRID #: 229137**

**Ledger for Site Diagram**

Produced Fluid:	_____
Produced Oil:	_____
Produced Gas:	_____
Produced Water:	_____
Flare/Vent:	_____

THIS DRAWING IS PROPERTY  
OF COG OPERATING LLC AND  
IS LOENT TO THE BORROWER  
FOR CONFIDENTIAL USE ONLY  
AND IS SUBJECT TO RETURN  
UPON REQUEST AND SHALL  
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COPIED, LENT OR OTHERWISE  
DISPOSED OF DIRECTLY OR  
INDIRECTLY, NOR USED FOR  
ANY PURPOSE OTHER THAN  
THAT WHICH IT IS  
SPECIFICALLY FURNISHED.

REFERENCE DRAWINGS	
NO.	TITLE
COG OPERATING LLC SITE SECURITY PLANS LOCATED AT:	ONE CONCHO CENTER 600 WEST ILLINOIS AVENUE MIDLAND, TEXAS 79701

[illegible]

ENGINEERING RECORD	
BY	DATE
DRN: DRM	12/04/18
DES:	
CHK:	
APP:	
AFE NO:	
FACIL ENGR:	
OPER ENGR:	
SCALE: NONE	



NORTHERN DELAWARE BASIN ASSET PRODUCTION FACILITIES SITE FACILITY DIAGRAM BOONE 16 STATE COM 3H BATTERY			
LEA COUNTY		NEW MEXICO	
TWNSHP/RANGE 21S / 13E	DWG NO. D-1700-81-_____	REVISIONS	

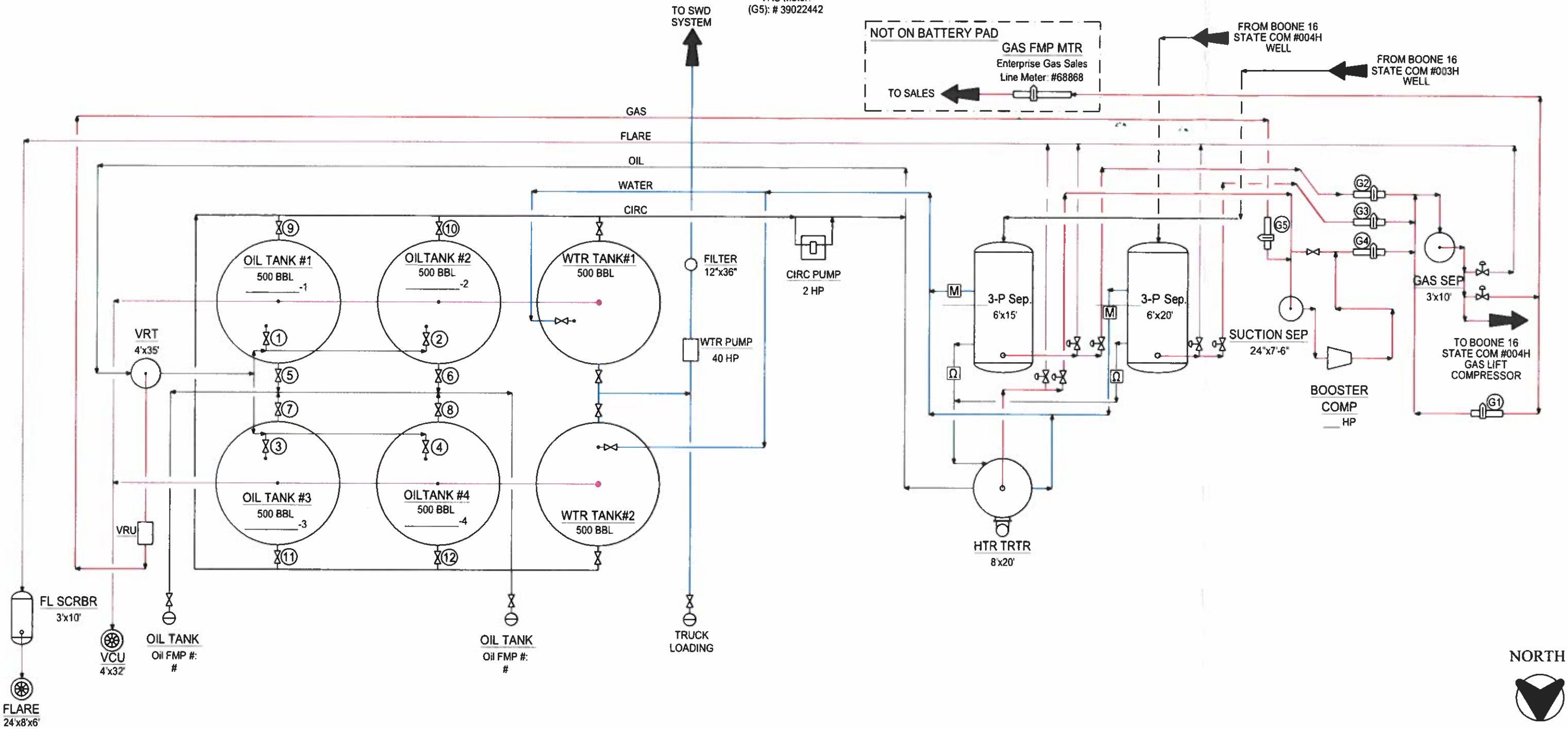
BOONE STATE 160 CTB  
SEC: 16/T21S/R33E, UNIT O  
CORDS: 32.472934, -103.57555  
LEA COUNTY, NM

WELLS:  
BOONE 16 STATE COM #003H: 30-025-43553  
BOONE 16 STATE COM #004H: 30-025-45599

METERS  
Deduct Meter:  
(G1): # 39022399  
Allocation Meter:  
(G2): # 39022443  
Allocation Meter  
(G3):  
Booster Meter:  
(G4):  
VRU Meter:  
(G5): # 39022442

Production Phase - Oil Tank #1  
- Valve 1 open  
- Valves 2, 3, and 4 closed  
- Valves 5, 6, 7, and 8 closed  
- Valve 9 open  
- Valves 10, 11, and 12 closed

Sales Phase - Oil Tank #1  
- Valve 1 closed  
- Valves 2, 3, or 4 open  
- Valve 5 open  
- Valves 6, 7, and 8 closed  
- Valve 9 closed  
- Valves 10, 11, and 12 open



NOTES:

Type of Lease: STATE  
State Lease #:   
Federal Lease SHL #: N/A  
CA/Agreement #:   
Property Code: 39741  
OGRID #: 229137


Ledger for Site Diagram  
Produced Fluid:   
Produced Oil:   
Produced Gas:   
Produced Water:   
Flare/Vent:

CONFIDENTIALITY NOTICE  
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OF COG OPERATING LLC AND  
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DISPOSED OF DIRECTLY OR  
INDIRECTLY, NOR USED FOR  
ANY PURPOSE OTHER THAN  
THAT WHICH IT IS  
SPECIFICALLY FURNISHED.

REFERENCE DRAWINGS		REVISIONS		ENGINEERING RECORD		
NO.	TITLE	NO.	DATE	DESCRIPTION	BY	DATE
A		1	12/04/18	REVISED PER FIELD VERIFICATION	DRM	12/04/18
COG OPERATING LLC SITE SECURITY PLANS LOCATED AT:		ONE CONCHO CENTER 600 WEST ILLINOIS AVENUE MIDLAND, TEXAS 79701				

REFERENCE DRAWINGS		REVISIONS		ENGINEERING RECORD		
NO.	TITLE	NO.	DATE	DESCRIPTION	BY	DATE
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COG OPERATING LLC SITE SECURITY PLANS LOCATED AT:		ONE CONCHO CENTER 600 WEST ILLINOIS AVENUE MIDLAND, TEXAS 79701				

REFERENCE DRAWINGS		REVISIONS		ENGINEERING RECORD		
NO.	TITLE	NO.	DATE	DESCRIPTION	BY	DATE
A		1	12/04/18	REVISED PER FIELD VERIFICATION	DRM	12/04/18
COG OPERATING LLC SITE SECURITY PLANS LOCATED AT:		ONE CONCHO CENTER 600 WEST ILLINOIS AVENUE MIDLAND, TEXAS 79701				



NORTHERN DELAWARE BASIN ASSET  
PRODUCTION FACILITIES  
SITE FACILITY DIAGRAM  
BOONE 16 STATE COM 3H BATTERY

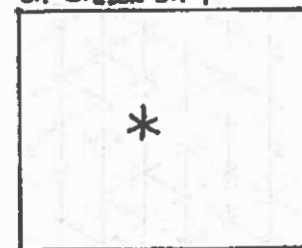
LEA COUNTY  
TWN/SHP/RANGE  
21S/33E

DWG NO.  
D-1700-81

REV  
A



on Corazon 3H pad



Flare is offsite

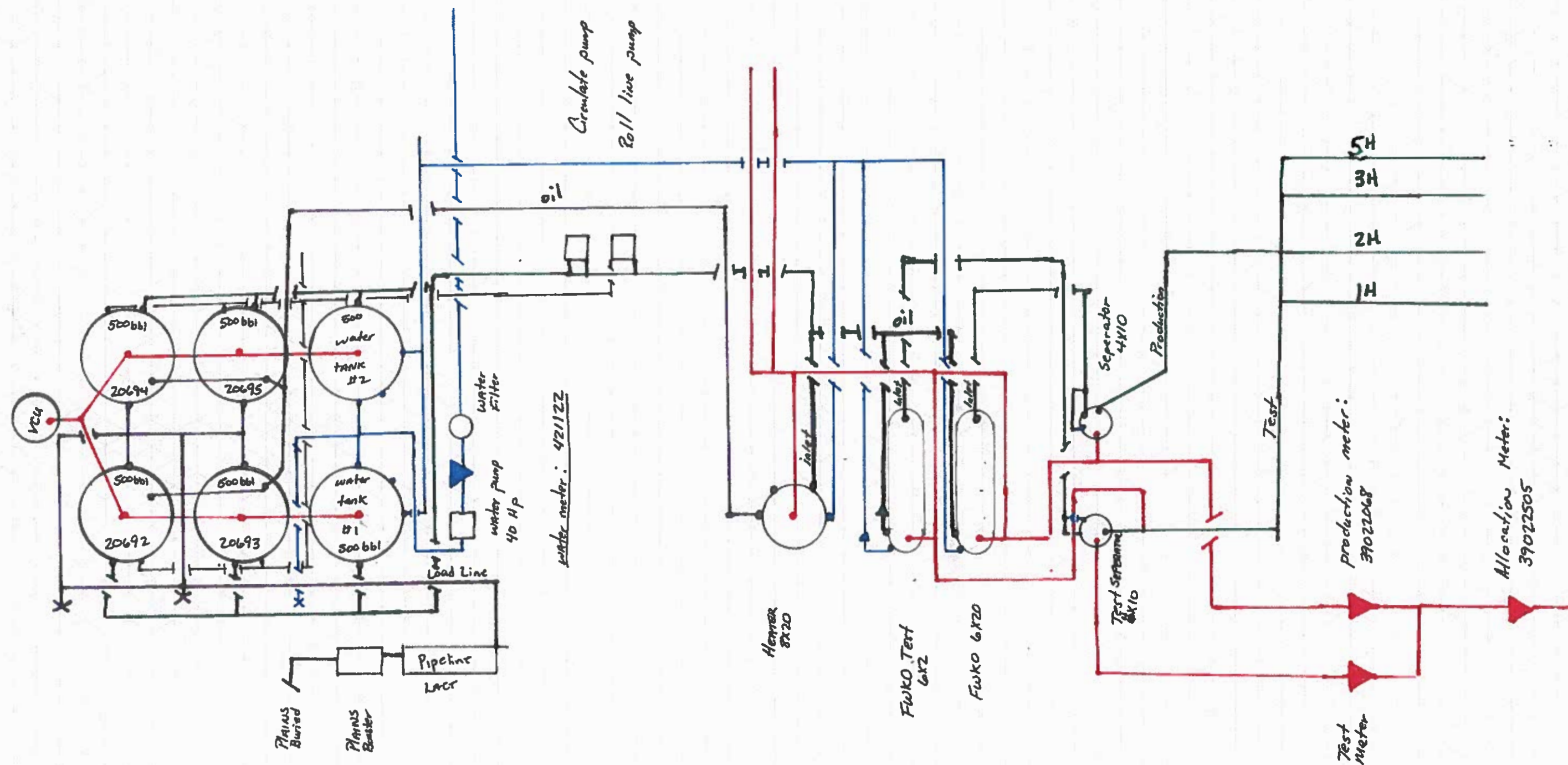
Test Meters:

oil: 11282763107  
water: 443534  
gas: 39022069

LORAZON Section 3 CTB

CORAZON SEC. 3 CTB  
SEC: 3/T21S/R33E, UNIT N  
LEA COUNTY, NM

CORAZON STATE UNIT #1H: 30-025-40741  
CORAZON STATE UNIT #2H: 30-025-40945  
CORAZON STATE UNIT #3H: 30-025-40946  
CORAZON STATE UNIT #5H: 30-025-40947



# CORAZON SECTION 10 CTB

