

District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St Francis Dr, Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 S. St Francis Drive  
Santa Fe, New Mexico 87505

Form C-107-B  
Revised August 1, 2011

Submit the original  
application to the Santa Fe  
office with one copy to the  
appropriate District Office.

### APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: Colgate Operating, LLC

OPERATOR ADDRESS: 300 North Marienfeld Street, Suite 1000 Midland, Texas 79701

APPLICATION TYPE:

☐ Pool Commingling ☒ Lease Commingling ☐ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☐ Fee ☒ State ☐ Federal

Is this an Amendment to existing Order? ☐ Yes ☒ No If "Yes", please include the appropriate Order No. \_\_\_\_\_  
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling  
☒ Yes ☐ No

#### (A) POOL COMMINGLING

Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes

- (2) Are any wells producing at top allowables? ☐ Yes ☐ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No.  
(4) Measurement type: ☐ Metering ☐ Other (Specify)  
(5) Will commingling decrease the value of production? ☐ Yes ☐ No If "yes", describe why commingling should be approved

#### (B) LEASE COMMINGLING

Please attach sheets with the following information

- (1) Pool Name and Code. Winchester, Bone Spring [65010]  
(2) Is all production from same source of supply? ☒ Yes ☐ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No  
(4) Measurement type: ☒ Metering ☐ Other (Specify)

#### (C) POOL and LEASE COMMINGLING

Please attach sheets with the following information

- (1) Complete Sections A and E.

#### (D) OFF-LEASE STORAGE and MEASUREMENT

Please attached sheets with the following information

- (1) Is all production from same source of supply? ☐ Yes ☐ No  
(2) Include proof of notice to all interest owners.

#### (E) ADDITIONAL INFORMATION (for all application types)

Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location.  
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.  
(3) Lease Names, Lease and Well Numbers, and API Numbers.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Mikah Thomas TITLE: Operations Tech DATE: 01.04.2022

TYPE OR PRINT NAME Mikah Thomas TELEPHONE NO.: 432-695-4272

E-MAIL ADDRESS: mthomas@colgateenergy.com



January 24, 2022

New Mexico Energy, Minerals and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Dear Mr. McClure,

Re: Surface commingling application CTB-1026

The Lady Franklin wells are N2 S2 split. The 121H, 131H, and 132H are the same and the 123H, 133H, 124H, and 134H are the same. This is based on two separate JOAs, one that covers the N/2 and one that covers the S/2.

Sincerely,

A handwritten signature in blue ink that reads 'Mark Hajdik'.

Mark Hajdik  
Senior Staff Landman

300 N. Marienfeld Street, Suite 1000, Midland, Texas 79701  
P: (432) 695-4222 | F: (432) 695-4063  
[www.ColgateEnergy.com](http://www.ColgateEnergy.com)

## APPLICATION FOR SURFACE POOL/LEASE COMMINGLING

Colgate Operating, LLC respectfully requests approval to surface pool/lease commingle oil and gas from the following wells:

	API	WELL NAME	WELL #	LOCATION	POOL CODE/ NAME	STATUS	OIL API/BOPD	GAS BTU/MCFPD
1	30-015-46298	Lady Franklin 25 State	121H	D-25-19S-28E	[65010] WINCHESTER; BONE SPRING	Producing	2661	5162
2	30-015-46354	Lady Franklin 25 State	123H	L-25-19S-28E	[65010] WINCHESTER; BONE SPRING	Producing	1372	2380
3	30-015-46355	Lady Franklin 25 State	124H	M-25-19S-28E	[65010] WINCHESTER; BONE SPRING	Producing	718	2180
4	30-015-46299	Lady Franklin 25 State	131H	D-25-19S-28E	[65010] WINCHESTER; BONE SPRING	Producing	1586	4219
5	30-015-46300	Lady Franklin 25 State	132H	D-25-19S-28E	[65010] WINCHESTER; BONE SPRING	Producing	1165	3947
6	30-015-46357	Lady Franklin 25 State	133H	L-25-19S-28E	[65010] WINCHESTER; BONE SPRING	Producing	1264	4444
7	30-015-46356	Lady Franklin 25 State	134H	M-25-19S-28E	[65010] WINCHESTER; BONE SPRING	Producing	1434	5347

## Allocation Methodology

### PRORATED ALLOCATION

#### GAS ALLOCATION

Each well has a Wellhead (WH) meter and a Gas Lift (GL) meter. The CTB has a FC Meter that measures the volume of gas that leaves the CTB, this FC meter is considered an FMP. The INJ BB meter that measures off-lease gas coming on lease used for gas lift from the gathering line is considered an FMP.

1. Buyback FM is the volume of off-lease gas used for gas lift and to run the compressor, it is calculated by Buyback – Comp Fuel,
2. Net Well Production is base amount of production not used for gas lift and is calculated by subtracting Gas Lift (GL) volume from the wellhead (WH) meter reading.
3. Lease use is the volume of gas used by the equipment on the CTB allocated to the wells by Lease Use volume/total hours produced by all wells on CTB \* each wells Hours On.
4. Theoretical % used for the allocation of production/sales is calculated by dividing the Net Well Production volume for each well into the sum of the Net Well Production.
5. CTB FC-INJ BB (Net CTB Gas) is volume of gas for royalty purposes, off lease gas is netted out of FMP meter volume.  $FC\ Meter - (INJ\ BB\ Meter - GL\ Compressor)$ . This gives you the volume of gas for royalty purposes that was produced/sold from the CTB.
6. Theoretical % for each well is multiplied by the Net CTB Gas.
7. HP Flare is volume of gas flared from the CTB, allocated to wells by Theoretical % for each well \* HP FL volume.
8. VRU measures the gas from the oil tanks, is allocated based on allocated oil production for each well. VRU is an FMP.  $VRU\ measured\ volume * theoretical\ \% \ of\ oil\ produced$ . Each well's oil measured volume/by sum of all oil measured volumes on CTB = theoretical oil volume.
9. Total Net FMP Volumes is total sold from the CTB to the gathering line and is calculated by Net CTB Gas + VRU.
10. Allocated Production is all gas produced by CTB and is calculated by adding Total Net FMP Volumes+ HP Flare + Lease Use.
11. Total Net FMP Volumes is total sold from the CTB to the gathering line and is calculated by Net CTB



## OIL ALLOCATION

Each well has an oil meter measuring the volume of oil produced by the well. This volume is used as the allocation point to prorate Allocated Production and Total Sales Volume (FMP) back to each well.

1. Allocated production is volume of oil produced by the CTB and is calculated by Ending Tank Inventory + Pipeline LACT (FMP) – Beginning Tank Inventory.
2. Available oil for sale is calculated by Pipeline Lact (FMP) – Beginning Tank Inventory.
3. Theoretical % is calculated by dividing each oil meter volume into the sum of oil meters.
4. The Theoretical % for each well is multiplied by the Allocated Production and the Available Sales.
5. Total Sales Volume is the volume of oil sold through the FMP meter. It is calculated by adding available for sale to the beginning inventory for each well.
6. Beginning Inventory comes from previous accounting period's Ending Inventory for each well.
7. Ending Inventory for each well is calculated by adding Beginning Inventory + Allocated Production – Total Sales Volume.

## WATER ALLOCATION

Each well has a water meter measuring the volume of water produced by the well. This volume is used as the allocation point to prorate Allocated Production and Total Transferred Volume back to each well.

1. Allocated production is volume of water produced by the CTB and is calculated by Ending Tank Inventory + Water Transfer – Beginning Tank Inventory.
2. Available Water to Transfer is calculated by Water Transfer – Beginning Tank Inventory.
3. Theoretical % is calculated by dividing each water meter volume into the sum of the water meters.
4. The Theoretical % for each well is multiplied by the Allocated Production and the Available Sales.
5. Total Transfer Volume is the volume of water transferred off the CTB. It is calculated by adding Available to Transfer to the beginning inventory for each well.
6. Beginning Inventory comes from previous accounting period's allocated Ending Inventory for each well.
7. Ending Inventory for each well is calculated by adding beginning inventory + Allocated Production – Total Transfer Volume.

### Applied Allocation Spreadsheet Examples (Oil Stream)

Definition of Factors, Formulas, and Assets	
Oil Allocation Factor	Daily meter reading from a testing vessel (shared or designated by well) for an individual well used as the basis for prorating produced sellable volumes from the OMT.
Well Test Hours	Total hours that well test was conducted for. Used to adjust Oil Allocation Factor to a 24 hour rate. Well test hours can be more than or less than 24 hours but greater than 0.
Hours Flowed	Total hours that well was flowing produced fluids. Used to adjust Oil Allocation Factor to compensate for Oil Allocation Factor being adjusted to a 24 hour rate.
Oil Allocation Factor Basis	The Oil Allocation Factor adjusted to 24 hour basis and corrected for any downtime incurred for the well. Reporting volume to the OGOR.
Theoretical % of Production	Calculated by dividing the Oil Allocation Factor Basis for the individual well into the sum of all Basis' at the OMT. Not visualized in the production accounting program.
Allocated Oil Production	Volume of sold or stored volume produced in the time period ready to sell from the OMT allocated to each well. Reporting Volume to the OGOR.
Oil Master Tank (OMT)	Relative terminology synonymous with Central Tank Battery.
Beginning Oil	Inventory in bbls from the previous accounting periods calculated ending inventories. In the case of a new OMT, during any accounting period, Open inventory would be = 0.
Ending Oil	Inventory in bbls as measure for the date of accounting. Ending inventory can be positive, negative or neutral each day, but cannot sum to < 0.
Dispositions	A measured volume removed from a tank or moved through a LACT. Recorded from a ticket or direct meter read.
Oil Production	Total volume sold or available for sell for each asset at the OMT for accounting period. Calculated by subtracting Ending Oil from Beginning Oil and summing with Dispositions
OMT Totals	Formula to calculate the total volumes sold or available for sale at the OMT for the accounting period. Reporting Volume to the OGOR.
LACT	Measures in bbls the volume transferred at the LACT meter to custody of the midstream gatherer or direct to purchaser.
Oil Tank #	Physical tank count at the OMT. Tanks can vary in size by battery and volume requirements. BBL/Inch factors are calculated and applied at the asset level.

#### Individual Well Factors and Allocated Production

Well Name	Oil Allocation Factor	Well Test Hours	Hours Flowed	Oil Allocation Factor Basis	Theoretical % of Production	Allocated Oil Production
xxxxx	817.59	24.00	24.00	817.59	0.62374	821.11
xxxxx	493.20	24.00	24.00	493.20	0.37626	495.33
Totals	1310.79	-	-	1310.79	1.00000	1316.44

#### Oil Master Tank (OMT)

Asset	Beginning Oil	Ending Oil	Dispositions	Oil Production
Oil Tank 1 (OT1)	166.80	161.24		-5.56
Oil Tank 2 (OT2)	88.96	88.96		0.00
Oil Tank 3 (OT3)	63.94	63.94		0.00
LACT			1322.00	1322.00
OMT Totals	319.70	314.14		1316.44

### Applied Allocation Spreadsheet Examples (Gas Stream)

Definition of Factors, Formulas, and Assets	
Gas Out	Daily meter reading from a testing vessel (shared or designated by well) for an individual well used as the basis for prorating total produced volumes.
Gas In	Daily meter reading from a designated meter for an individual well for measuring the amount of gas injected into a well for gas lift purposes.
Formation Gas	The total gas produced from the formation. Calculated by subtracting Gas In from Gas Out.
Theoretical % of Production	Calculated by dividing the Formation Gas for the individual well into the sum of all Formation Gas. Not visualized in the production accounting program.
Allocated Gas Production	Total volume of gas sold, flared, utilized for lease operations, or utilized as fuel for compression equipment and less the gas metered through the Gas Buy Back. Reporting Volume to the OGOR.
Allocated Gas Sales	Total volume sold from the CTB less the gas metered through the Gas Buy Back Meter. Reporting Volume to the OGOR.
Allocated Flared Volume	Total volume flared from the CTB. Reporting Volume to the OGOR.
Gas Flare Meter	Metered volume of gas sent to combustion or flare for the CTB
Gas Lease Use Meter	Metered volume of gas utilized for lease operations for pneumatics, power generation, or other necessary operations to operate the CTB.
Gas Sales Meter	Metered volume of gas transferred at a custody exchange point to a midstream gatherer or direct purchaser.
Gas Compressor Factor	Total gas burned as fuel for operation of gas lift compression for purposes of injection for gas lift purposes. An hourly rate factored by the total Hours On of the compressor daily.
Hours On	Total hours the compressor was ran for the allocation period.
Gas Buy Back Meter	Metered volume of gas transferred from a custody exchange point to the operator for use as lease use, compression fuel, or injection volume.
Total Gas Basis	Sum of all gas utilized in the operation of the lease.

#### Individual Well Factors and Allocated Production

Well Name	Gas Out	Gas In	Formation Gas	Theoretical % of Production	Allocated Gas Production	Allocated Gas Sales	Allocated Flared Volume
xxxxx	2370.00	765.80	1604.20	0.61553	1817.67	1556.07	221.59
xxxxx	1763.00	761.00	1002.00	0.38447	1135.33	971.93	138.41
Totals	4133.00	1526.80	2606.20	1.00000	2953.00	2528.00	360.00

#### Total Gas Metered Out of CTB

Asset	Gas Production	Hours On
Gas Flare Meter	360.00	
Gas Lease Use Meter	0.00	
Gas Sales Meter	2528.00	
GL Compressor Factor	65.00	24.00
Gas Buy Back Meter	0.00	
Total Gas Basis	2953.00	

### Applied Allocation Spreadsheet Examples (Water Stream)

Definition of Factors, Formulas, and Assets	
Water Allocation Factor	Daily meter reading from a testing vessel (shared or designated by well) for an individual well used as the basis for prorating produced volumes from the WMT.
Well Test Hours	Total hours that well test was conducted for. Used to adjust Water Allocation Factor to a 24 hour rate. Well test hours can be more than or less than 24 hours but greater than 0.
Hours Flowed	Total hours that well was flowing produced fluids. Used to adjust Water Allocation Factor to compensate for Water Allocation Factor being adjusted to a 24 hour rate.
Water Allocation Factor Basis	The Water Allocation Factor adjusted to 24 hour basis and corrected for any downtime incurred for the well. Reporting volume to the OGOR.
Theoretical % of Production	Calculated by dividing the Water Allocation Factor Basis for the individual well into the sum of all Basis' at the WMT. Not visualized in the production accounting program.
Allocated Water Production	Volume of sold or stored volume produced in the time period ready to sell from the WMT allocated to each well. Reporting Volume to the OGOR.
Water Master Tank (WMT)	Relative terminology synonymous with Central Tank Battery.
Beginning Water	Inventory in bbls from the previous accounting periods calculated ending inventories. In the case of a new WMT, during any accounting period, Open inventory would be = 0.
Ending Water	Inventory in bbls as measure for the date of accounting. Ending inventory can be positive, negative or neutral each day, but cannot sum to < 0.
Dispositions	A measured volume removed from a tank or moved through a Water Transfer Meter. Recorded from a ticket or direct meter read.
Water Production	Total volume moved or available for me for each asset at the WMT for accounting period. Calculated by subtracting Ending Water from Beginning Water and summing with Dispositions
WMT Totals	Formula to calculate the total volumes sold or available for sale at the WMT for the accounting period . Reporting Volume to the OGOR.
Water Transfer Meter	Measures in bbls the volume transferred at the Water Transfer meter to custody of the midstream gatherer or direct to disposal.
Water Tank #	Physical tank count at the WMT. Tanks can vary in size by battery and volume requirements. BBL/Inch factors are calculated and applied at the asset level.

#### Individual Well Factors and Allocated Production

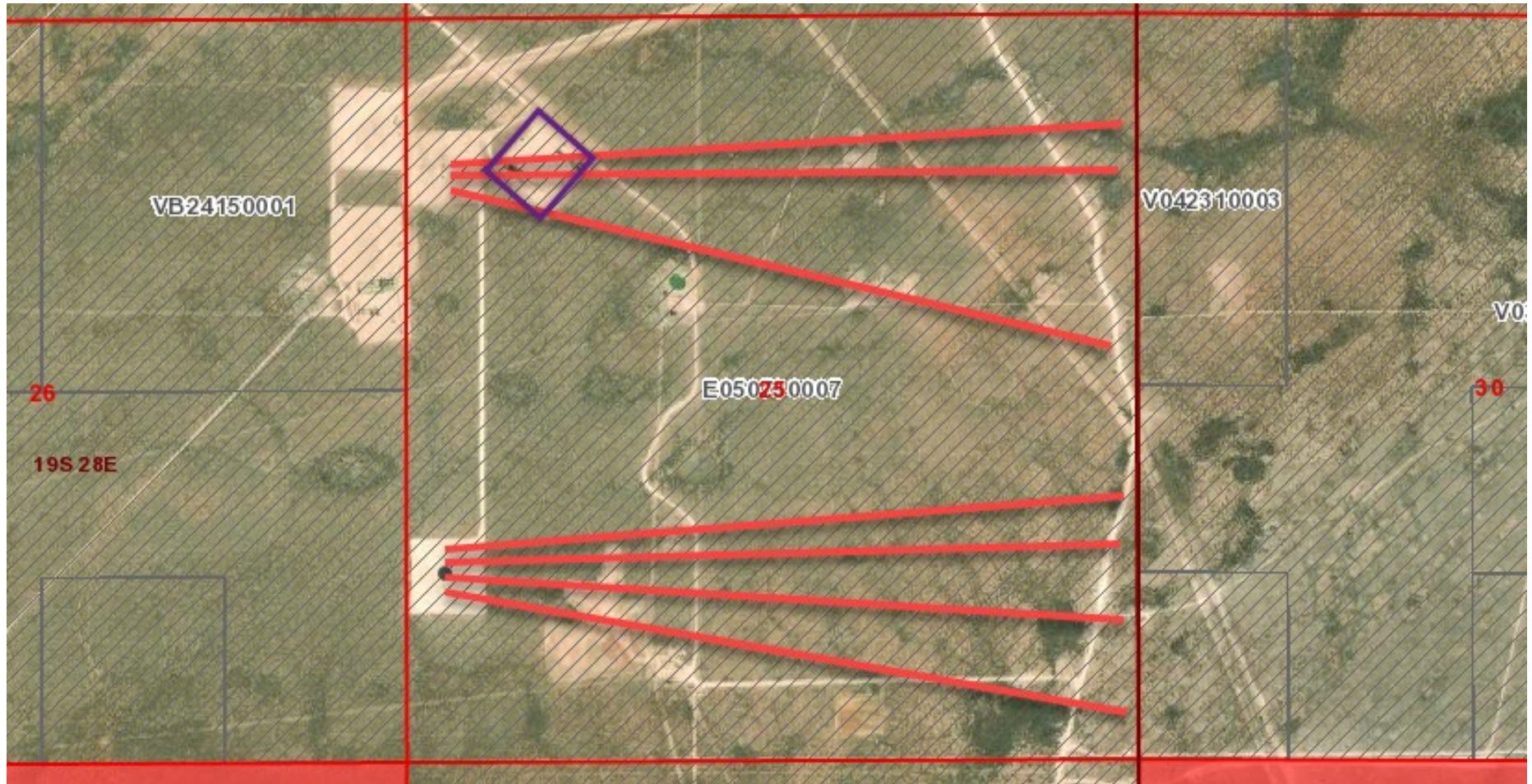
Well Name	Water Allocation Factor	Well Test Hours	Hours Flowed	Water Allocation Factor Basis	Theoretical % of Production	Allocated Water
xxxxx	1571.00	24.00	24.00	1571.00	0.55512	1577.66
xxxxx	1259.00	24.00	24.00	1259.00	0.44488	1264.34
Totals	2830.00	-	-	2830.00	1.00000	2842.00

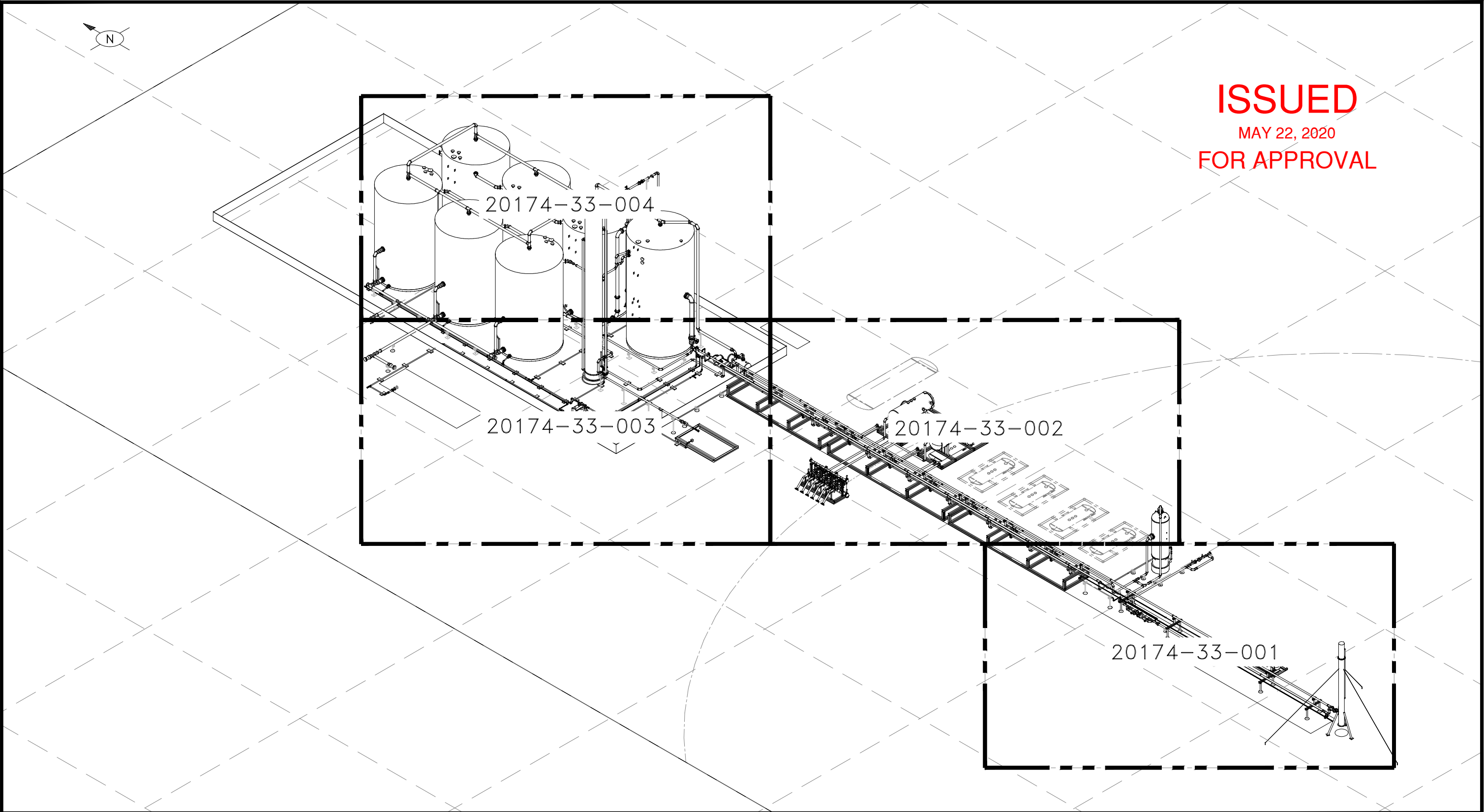
#### Water Master Tank (WMT)

Asset	Beginning Water	Ending Water	Dispositions	Water Production
Water Tank 1 (WT1)	36.14	36.14		0.00
Water Tank 2 (WT2)	30.58	30.58		0.00
Water Tank 3 (WT3)	33.96	33.96		0.00
Water Transfer Meter			2842.00	2842.00
WMT Totals	100.68	100.68		2842.00

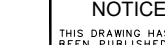



Colgate Operating, LLC  
Lady Franklin 25 State Overview Map  
Sec 25, T19S, R28E  
Eddy County, New Mexico

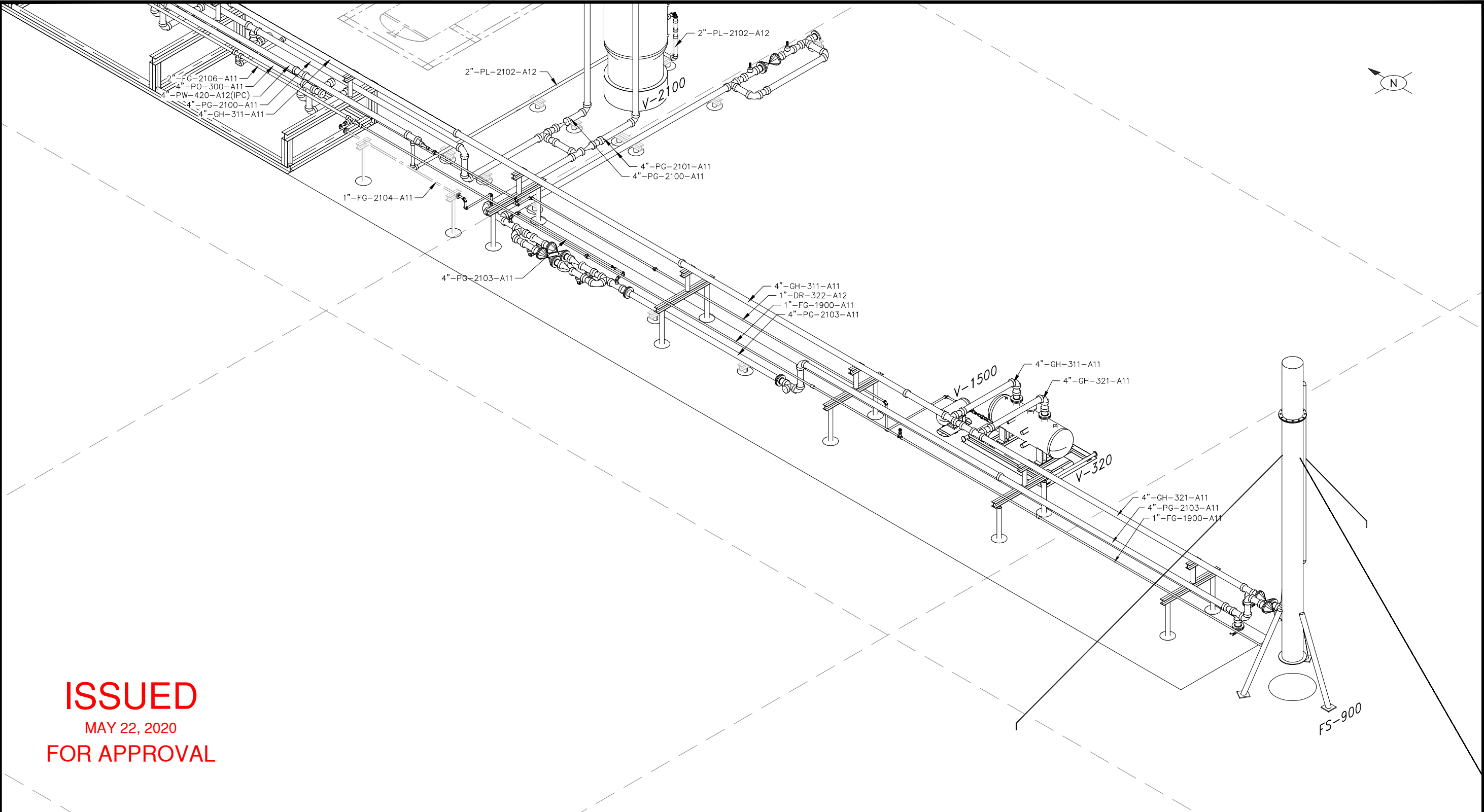




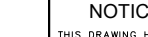

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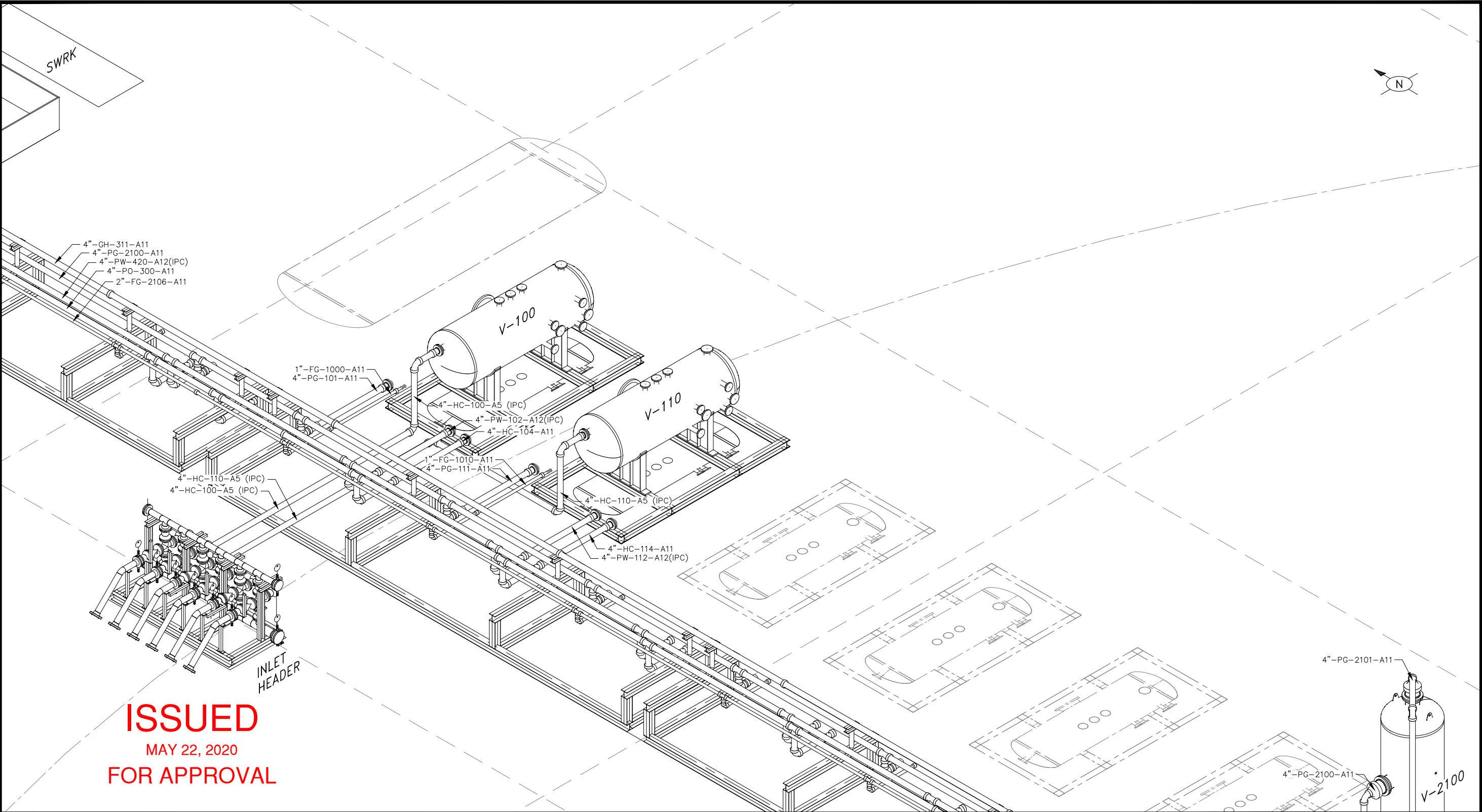
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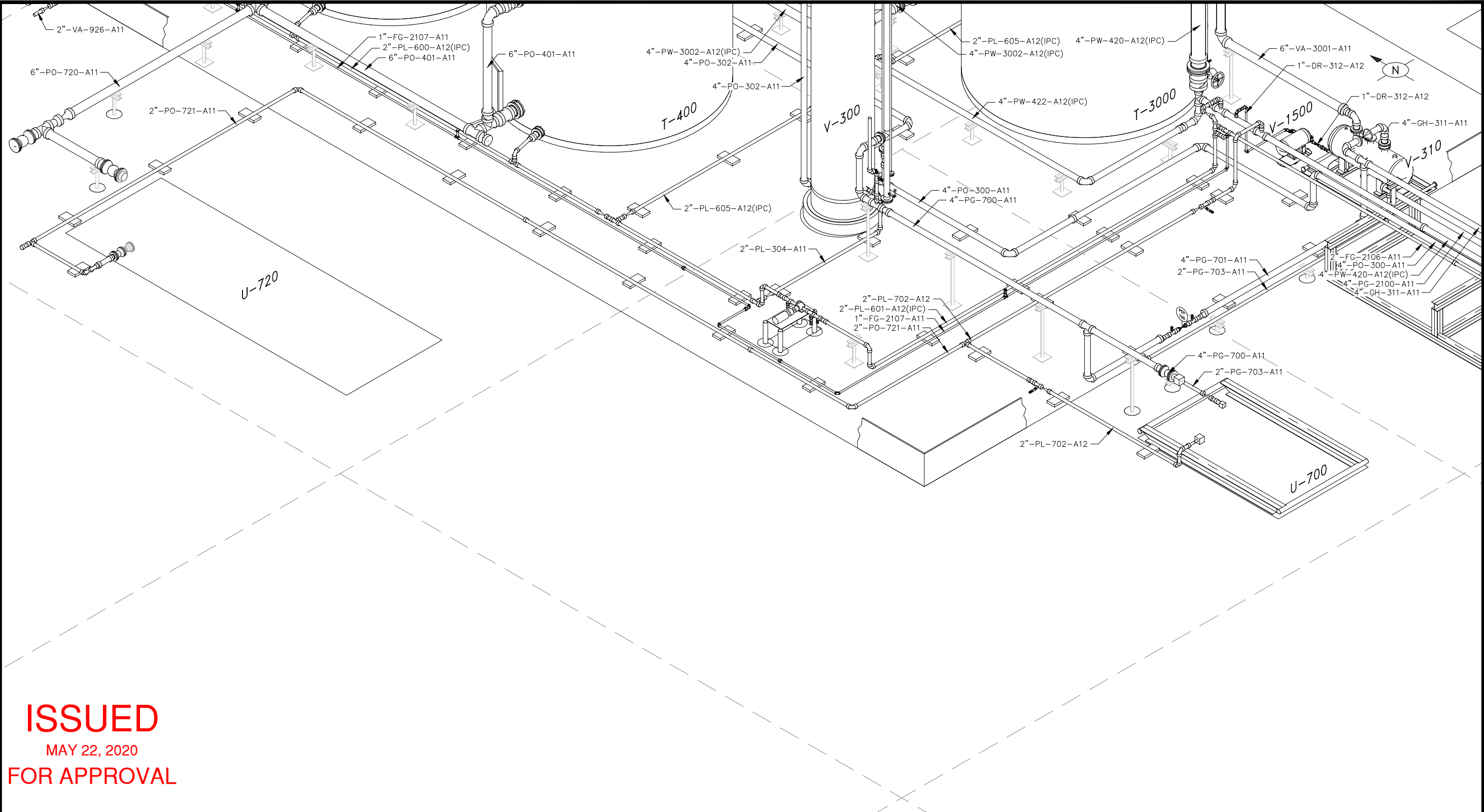


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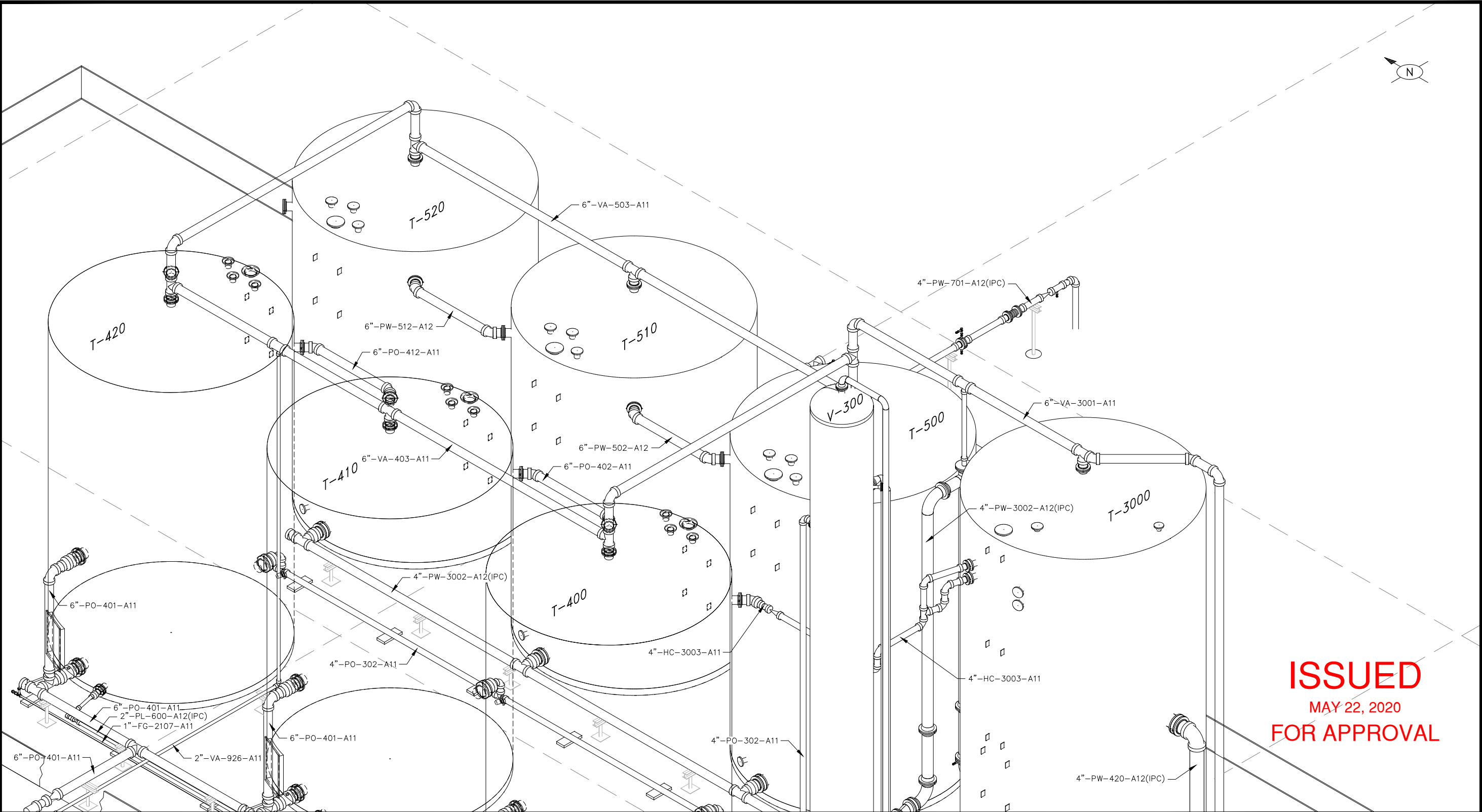






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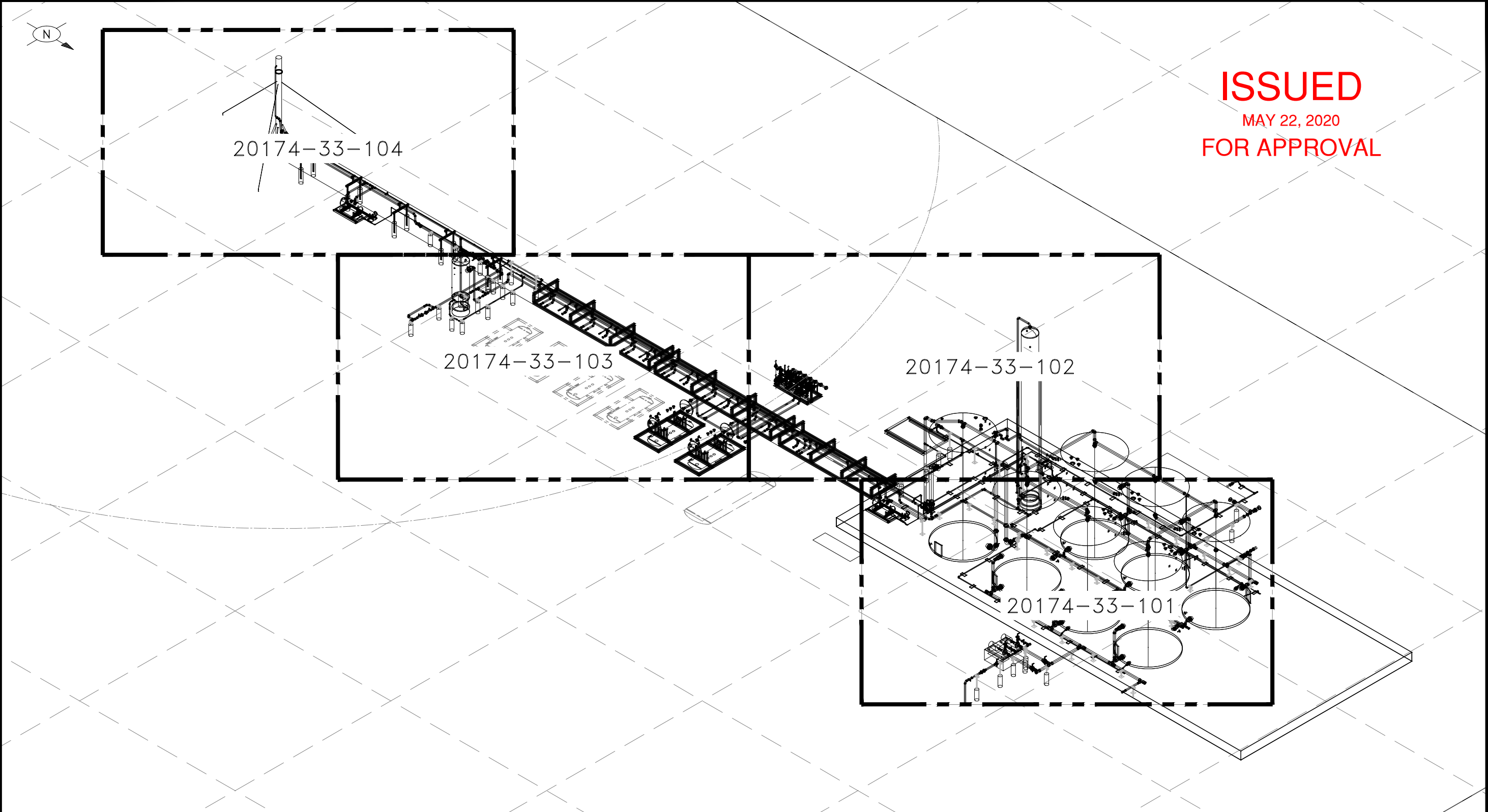
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**FOR APPROVAL**

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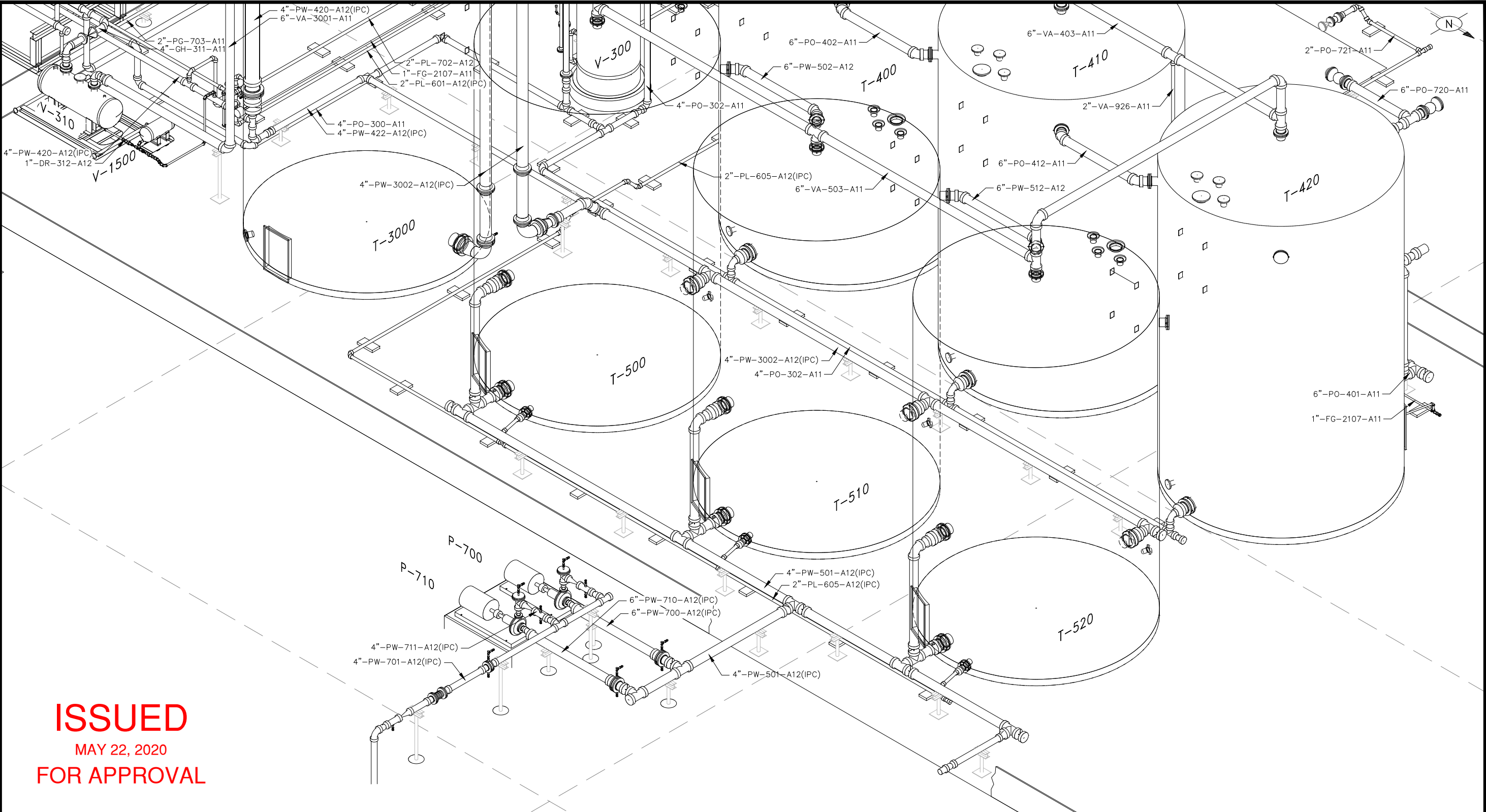


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R:\01\_Colgate\20174 - LADY FRANKLIN BATTERY\2. Eng., Design\2.3 Piping Mech\2.3.4 Iso's\ISO VIEWS\20174--33-100.dwg 20200522.073439

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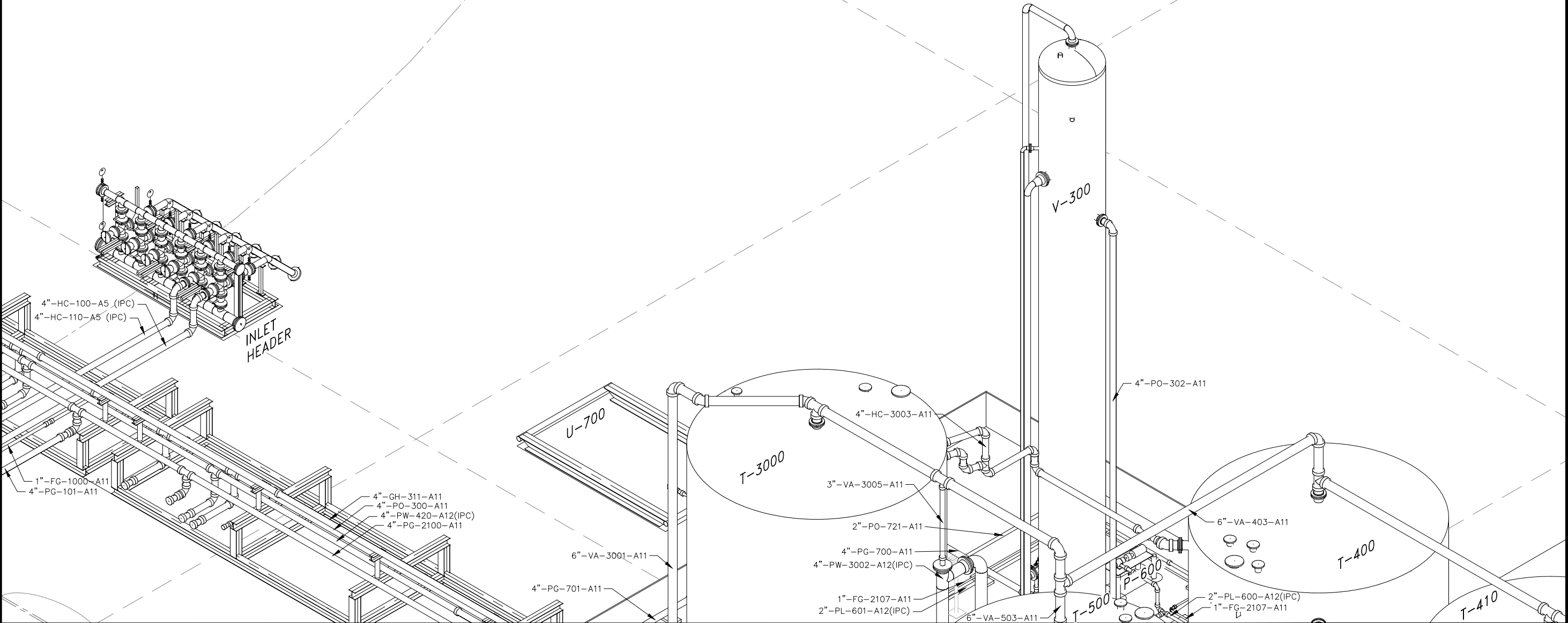




ISSUED  
MAY 22, 2020  
FOR APPROVAL

NOTE:	REFERENCE DRAWINGS		REVISIONS							<div></div> <div>3S Services, LLC ENGINEERING &amp; DESIGN Ph: 432-687-5611 Midland, Texas 79705 WWW.3SENGINEERINGDESIGN.COM TBPE FIRM REG. #13809 NM FIRM REG. #4545320 OKLA FIRM REG. #3712353615</div>	NOTICE			ENGINEERING RECORD			<div></div> <div>LADY FRANKLIN BATTERY NORTH EAST ISO VIEW</div>			
	NO.	TITLE	NO.	DATE	DESCRIPTION	BY	CHK.	APP.	BY		DATE	DRN:	NR	05/20/20						
			A	05/22/20	ISSUED FOR APPROVAL	MJB	NR					DES:								
												CHK:								
												APP:								
												AFE No.								
												FACILITY ENGR.	Z. LUIKENS							
												PROJ. ENGR:								
												SCALE:	NONE							
	R:\01_Colgate\20174 - LADY FRANKLIN BATTERY\2. Eng., Design\2.3 Piping Mech\2.3.4 Iso's\ISO VIEWS\20174--33--101.dwg 20200522.073833										PLOT SCALE NONE			DWG. NO.		REV				
										CAD NO.			D-20174-33-101		A					

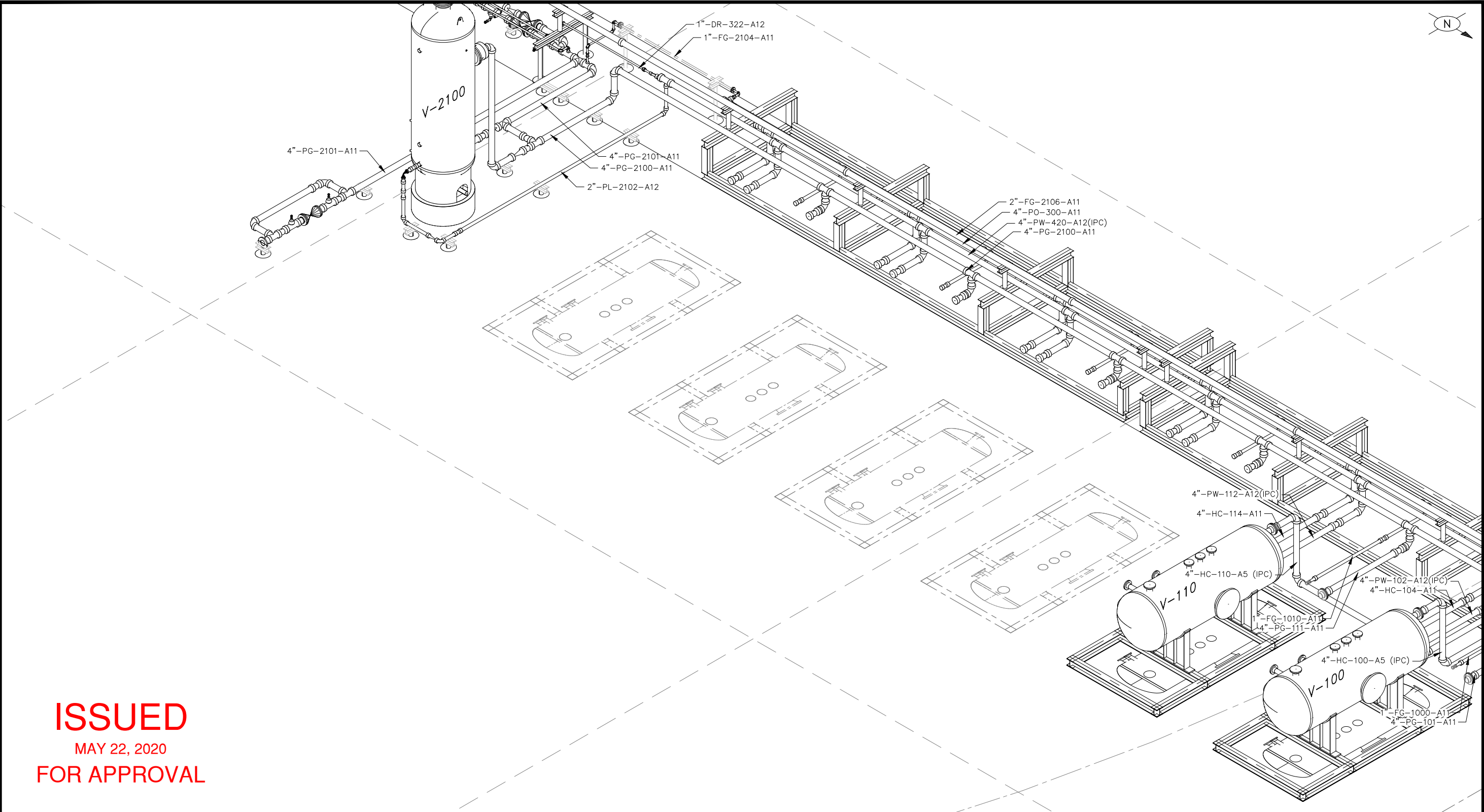


ISSUED  
MAY 22, 2020  
FOR APPROVAL





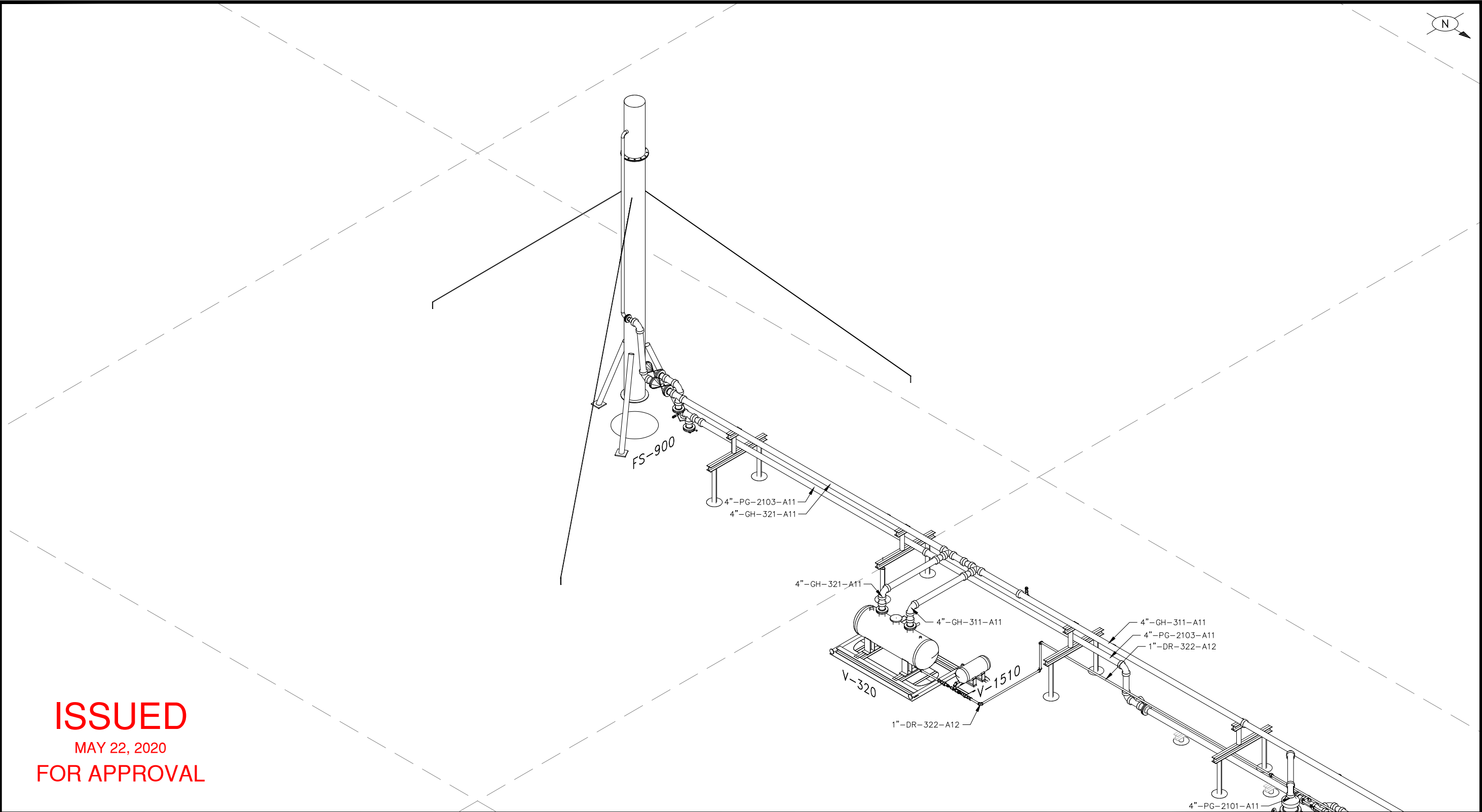
NOTE:	REFERENCE DRAWINGS		REVISIONS							<div></div> <div>3S Services, LLC ENGINEERING &amp; DESIGN Ph: 432-687-5611 Midland, Texas 79705 WWW.3SENGINEERINGDESIGN.COM TBPE FIRM REG. #13809 NM FIRM REG. #4545320 OKLA FIRM REG. #3712353615</div>	NOTICE			ENGINEERING RECORD		<div></div> <div>LADY FRANKLIN BATTERY NORTH EAST ISO VIEW</div>			
	NO.	TITLE	NO.	DATE	DESCRIPTION	BY	CHK.	APP.	BY		DATE								
			A	05/22/20	ISSUED FOR APPROVAL	MJB	NR		DRN:		NR	05/20/20							
									DES:										
									CHK:										
									APP:										
									AFE No.										
									FACILITY ENGR.		Z. LUIKENS								
									PROJ. ENGR:										
									SCALE:		NONE								
R:\01_Colgate\20174 - LADY FRANKLIN BATTERY\2. Eng., Design\2.3 Piping Mech\2.3.4 Iso's\ISO VIEWS\20174-33-102.dwg 20200522.07394												PLOT SCALE	NONE	DWG. NO.	D-20174-33-102	REV	A		

R:\01\_Colgate\20174 - LADY FRANKLIN BATTERY\2. Eng., Design\2.3 Piping Mech\2.3.4 Iso's\ISO VIEWS\20174-33-102.dwg 20200522.07394





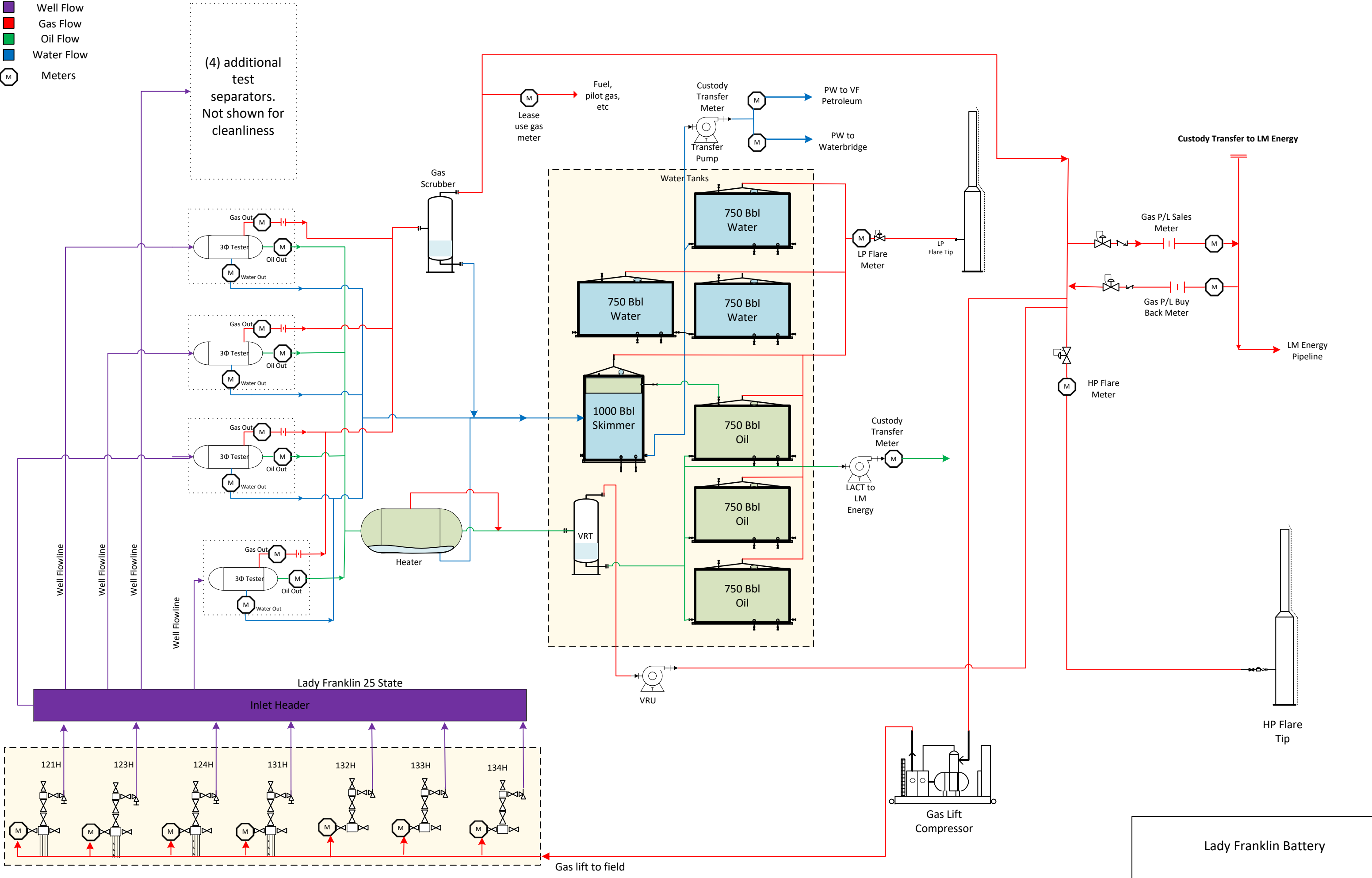
ISSUED  
MAY 22, 2020  
FOR APPROVAL

NOTE:	REFERENCE DRAWINGS		REVISIONS							<div> 3S Services, LLC ENGINEERING &amp; DESIGN Ph: 432-687-5611 Midland, Texas 79705 WWW.3SENGINEERINGDESIGN.COM TBPE FIRM REG. #13809 NM FIRM REG. #4545320 OKLA FIRM REG. #3712353615</div>	NOTICE		ENGINEERING RECORD		<div> LADY FRANKLIN BATTERY NORTH EAST ISO VIEW</div>			
	NO.	TITLE	NO.	DATE	DESCRIPTION	BY	CHK.	APP.	BY		DATE	DRN:	NR	05/20/20				
			A	05/22/20	ISSUED FOR APPROVAL	MJB	NR					DES:						
												CHK:						
												APP:						
												AFE No.						
												FACILITY ENGR.	Z. LUIKENS					
												PROJ. ENGR:						
												SCALE:	NONE					
	R:\01_Colgate\20174 - LADY FRANKLIN BATTERY\2. Eng., Design\2.3 Piping Mech\2.3.4 Iso's\ISO VIEWS\20174-33-103.dwg 20200522.074053												PLOT SCALE	NONE	DWG. NO.	D-20174-33-103		REV
												CAD NO.						



ISSUED  
MAY 22, 2020  
FOR APPROVAL

NOTE:	REFERENCE DRAWINGS		REVISIONS							<div> 3S Services, LLC ENGINEERING &amp; DESIGN Ph: 432-687-5611 Midland, Texas 79705 WWW.3SENGINEERINGDESIGN.COM TBPE FIRM REG. #13809 NM FIRM REG. #4545320 OKLA FIRM REG. #3712353615</div>	NOTICE		ENGINEERING RECORD		<div> LADY FRANKLIN BATTERY NORTH EAST ISO VIEW</div>		
	NO.	TITLE	NO.	DATE	DESCRIPTION	BY	CHK.	APP.	BY		DATE						
			A	05/22/20	ISSUED FOR APPROVAL	MJB	NR		DRN: NR		05/20/20						
									DES:								
									CHK:								
									APP:								
									AFE No.								
									FACILITY ENGR.		Z. LUIKENS						
									PROJ. ENGR:								
									SCALE: NONE								
R:\01_Colgate\20174 - LADY FRANKLIN BATTERY\2. Eng., Design\2.3 Piping Mech\2.3.4 Iso's\ISO VIEWS\20174-33-104.dwg 20200522.073718												PLOT SCALE NONE	DWG. NO.	D-20174-33-104	REV A		
												CAD NO.					







January 4, 2022

New Mexico State Land Office  
P.O. Box 1148  
Santa Fe, NM 87504-1148

Re: Request for Commingling – Lady Franklin 25 State 121H, 123H-124H, 131H-134H  
Section 25, T19S-R28E  
Eddy County, NM

Dear Owner:

This letter is to advise you that Colgate Operating, LLC is filing an application with the New Mexico Conservation Division seeking approval for oil and gas commingling at the Lady Franklin 25 State Battery for the following wells:

- Lady Franklin 25 State 121H
- Lady Franklin 25 State 123H
- Lady Franklin 25 State 124H
- Lady Franklin 25 State 131H
- Lady Franklin 25 State 132H
- Lady Franklin 25 State 133H
- Lady Franklin 25 State 134H

A copy of our submitted application is enclosed.

Any objections or requests that a hearing should be held regarding this application must be submitted to the New Mexico Oil Conservation Division Santa Fe office within twenty (20) days from the date of this letter.

If you have any questions or need any additional information, please contact Mark Hajdik at (432) 257-3886 or [nmorelations@colgateenergy.com](mailto:nmorelations@colgateenergy.com).

Sincerely,

**COLGATE OPERATING, LLC**

A handwritten signature in blue ink, appearing to read 'Jordan Ireton'.

Jordan Ireton  
Land Coordinator

300 N. Marienfeld St., Suite 1000, Midland, Texas 79701  
P: (432) 695-4222 | F: (432) 695-4063  
[www.ColgateEnergy.com](http://www.ColgateEnergy.com)

Tracking Number	Name	Address	City State
7020 3160 0000 8219 5712	BCRK. LIMITED PARTNERSHIP	2004 WYCKHAM PLACE	NORMAN, OK 73072
7020 3160 0000 8219 5729	BENNETT OIL & GAS PROPERTIES, INC.	P.O. BOX 264	MIDLAND, TX 79702
7020 3160 0000 8219 5736	R. C. BENNETT COMPANY	P.O. BOX 264	MIDLAND, TX 79702
7020 3160 0000 8219 5743	BUCKEYE ENERGY, INC.	P.O. BOX 3788	MIDLAND, TX 79702
7020 3160 0000 8219 5750	CIMAREX ENERGY CO	202 S CHEYENNE AVE STE 1000 810 PLAZA OFFICE BUILDING	TULSA, OK 74103
7020 3160 0000 8219 5767	COG OPERATING LLC	315 S. JOHNSTONE AVE	BARTLESVILLE, OK 74004
7020 3160 0000 8219 5774	COLLINS & JONES INVESTMENTS LLC	3824 CEDAR SPRINGS RD #414	DALLAS, TX 75219
7020 3160 0000 8219 5781	COMMISSIONER OF PUBLIC LANDS	PO BOX 1148 810 PLAZA OFFICE BUILDING	SANTA FE, NM 87504-1148
7020 3160 0000 8219 5798	CONCHO OIL & GAS LLC	315 S. JOHNSTONE AVE	BARTLESVILLE, OK 74004
7020 3160 0000 8219 5804	CROWN OIL PARTNERS LP	PO BOX 50820	MIDLAND, TX 79710
7020 3160 0000 8219 5811	DAVID W CROMWELL	2008 COUNTRY CLUB DR	MIDLAND, TX 79701
7020 3160 0000 8219 5828	DEANE DURHAM	3603 TRINITY MEADOWS PL	MIDLAND, TX 79707
7020 3160 0000 8219 5835	JESSE A FAUGHT JR	PO BOX 51206 ONE LINCOLN CENTER	MIDLAND, TX 79710
7020 3160 0000 8219 5842	FORAN OIL COMPANY	5400 LBJ FREEWAY SUITE 1500	DALLAS, TX 75240
7020 3160 0000 8219 5859	JOSEPH WILLIAM FORAN	4835 N LINDHURST AVE	DALLAS, TX 75229
7020 3160 0000 8219 5866	GOOD NEWS MINERALS, LLC	P.O. BOX 50820	MIDLAND, TX 79710
7020 3160 0000 8219 5873	HYDEN LIMITED PARTNERSHIP	2512 N CROWN CIRCLE	CARLSBAD, NM 88220
7020 3160 0000 8219 5880	LMC ENERGY LLC	550 W TEXAS AVE STE 945	MIDLAND, TX 79701
7020 3160 0000 8219 5897	MAVROS MINERALS II LLC	PO BOX 50820	MIDLAND, TX 79710
7020 3160 0000 8219 5903	MECCA EXPLORATION, LLC	3100 MONTICELLO AVE SE575 STE 1525	DALLAS, TX 75205
7020 3160 0000 8219 5910	MOSER REVOCABLE TRUST	17249 E. FORT VERDE RD.	RIO VERDE, AZ 85263
7020 3160 0000 8219 5927	MICHAEL MOYLETT	2506 TERRACE AVE	MIDLAND, TX 79705
7020 3160 0000 8219 5934	NORTHERN OIL AND GAS, INC.	4350 BAKER ROAD, STE 400 PO BOX 50820	MINNETONKA, MN 55343
7020 3160 0000 8219 5941	OAK VALLEY MINERAL AND LAND LP	SUITE 310	MIDLAND, TX 79705
7020 3160 0000 8219 5958	POST OAK CROWN IV LLC	5200 SAN FELIPE ST	HOUSTON, TX 77056
7020 3160 0000 8219 5965	POST OAK CROWN IV-B LLC	5200 SAN FELIPE ST	HOUSTON, TX 77056
7020 3160 0000 8219 5972	RED ROCK ROYALTY LTD. PARTNERSHIP	P.O. BOX 22066	DENVER, CO 80222
7020 3160 0000 8219 5989	KALEB SMITH	PO BOX 50820	MIDLAND, TX 79710
7020 3160 0000 8219 5996	SNFLK LEASING LLC	411 NE 1250	ANDREWS, TX 79714
7020 3160 0000 8219 6009	GEORGE W. STRAKE JR.	712 MAIN STREET, SUITE 3300	HOUSTON, TX 77002
7020 3160 0000 8219 6016	GERALD VAVREK	PO BOX 50820	MIDLAND, TX 79710
7020 3160 0000 8219 6023	H JASON WACKER	5601 HILLCREST	MIDLAND, TX 79707
7020 3160 0000 8219 6030	CHARLES L. JOHNSON	13322 HAMPTON BEND LANE	HOUSTON, TX 77070
7020 3160 0000 8219 6047	MICHAEL OWEN JOHNSON	10427 LAZY MEADOWS ATTN: ROBERT SHER	HOUSTON, TX 77064
7020 3160 0000 8219 6054	MAGNUM HUNTER PRODUCTION COMPANY	202 S. CHEYENNE AVE. SUITE 1000	TULSA, OK 74103
7020 3160 0000 8219 6054	LORI LYNN JOHNSON NELSON	27 AGRICULTURAL AVENUE	REHOBOTH, MA 02769

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

**District III**  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-46298	<sup>2</sup> Pool Code 65010	<sup>3</sup> Pool Name WINCHESTER; BONE SPRING
<sup>4</sup> Property Code 326127	<sup>5</sup> Property Name LADY FRANKLIN 25 STATE	
<sup>7</sup> OGRID No. 371449	<sup>8</sup> Operator Name COLGATE ENERGY LLC	<sup>6</sup> Well Number 121H  <sup>9</sup> Elevation 3358.6

## <sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>D</b>	<b>25</b>	<b>19 S</b>	<b>28 E</b>		<b>1000</b>	<b>NORTH</b>	<b>265</b>	<b>WEST</b>	<b>EDDY</b>

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>A</b>	<b>25</b>	<b>19 S</b>	<b>28 E</b>		<b>744</b>	<b>NORTH</b>	<b>17</b>	<b>EAST</b>	<b>EDDY</b>

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
160			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

N89°25'05"E 2611.74 FT

N4° CORNER SEC. 25  
LAT. = 32.6391151°N  
LONG. = 104.1389225°W  
NMSP EAST (FT)  
N = 596295.72  
E = 601180.81

W/4 CORNER SEC. 25  
LAT. = 32.6318567°N  
LONG. = 104.1389127°W  
NMSP EAST (FT)  
N = 593655.08  
E = 601188.65

SW CORNER SEC. 25  
LAT. = 32.6245986°N  
LONG. = 104.1388945°W  
NMSP EAST (FT)  
N = 591014.56  
E = 601199.10

N89°23'56"E 2612.13 FT

N/4 CORNER SEC. 25  
LAT. = 32.6391746°N  
LONG. = 104.1304402°W  
NMSP EAST (FT)  
N = 596322.24  
E = 603791.78

AS-DRILLED BORE PATH (FTP TO BHL)  
744' (12452.91 MD)

AS-DRILLED  
BOTTOM OF HOLE  
(12537 MD)  
LAT. = 32.6371906°N  
LONG. = 104.1220077°W  
NMSP EAST (FT)  
N = 595605.54  
E = 606388.90

AS-DRILLED  
FIRST TAKE POINT  
777' FNL, 100' FWL  
(7226.35 MD)  
LAT. = 32.6369812°N  
LONG. = 104.1385949°W  
NMSP EAST (FT)  
N = 595519.59  
E = 601283.08

S/4 CORNER SEC. 25  
LAT. = 32.6246368°N  
LONG. = 104.1304029°W  
NMSP EAST (FT)  
N = 591033.35  
E = 603813.37

NE CORNER SEC. 25  
LAT. = 32.6392359°N  
LONG. = 104.1219567°W  
NMSP EAST (FT)  
N = 596349.64  
E = 606403.13

E/4 CORNER SEC. 25  
LAT. = 32.6319766°N  
LONG. = 104.1219393°W  
NMSP EAST (FT)  
N = 593708.69  
E = 606413.74

SE CORNER SEC. 25  
LAT. = 32.6246728°N  
LONG. = 104.1219115°W  
NMSP EAST (FT)  
N = 591051.52  
E = 606427.58

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. VERTICAL DATUM NAVD88.

S89°35'18"W 2614.97 FT

S89°36'06"W 2614.91 FT

S00°17'54"E 2657.86 FT

## 17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature

Mikah Thomas

Printed Name

E-mail Address

Date

06/12/2020

mthomas@colgateenergy.com

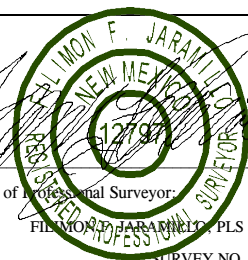
## 18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MAY 5, 2020

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:

FIRMORE JARAMILLA PLS 12797

SURVEY NO. 7382A

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
**District II**  
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Phone: (575) 748-1283 Fax: (575) 748-9720  
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Phone: (505) 334-6178 Fax: (505) 334-6170  
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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<b>1 API Number</b> 30-015-46354		<b>2 Pool Code</b> 65010	<b>3 Pool Name</b> WINCHESTER; BONE SPRING
<b>4 Property Code</b> 326127	<b>5 Property Name</b> LADY FRANKLIN 25 STATE		<b>6 Well Number</b> 123H
<b>7 OGRID No.</b> 371449	<b>8 Operator Name</b> COLGATE OPERATING, LLC		<b>9 Elevation</b> 3336.0'

---

<sup>10</sup> Surface Location

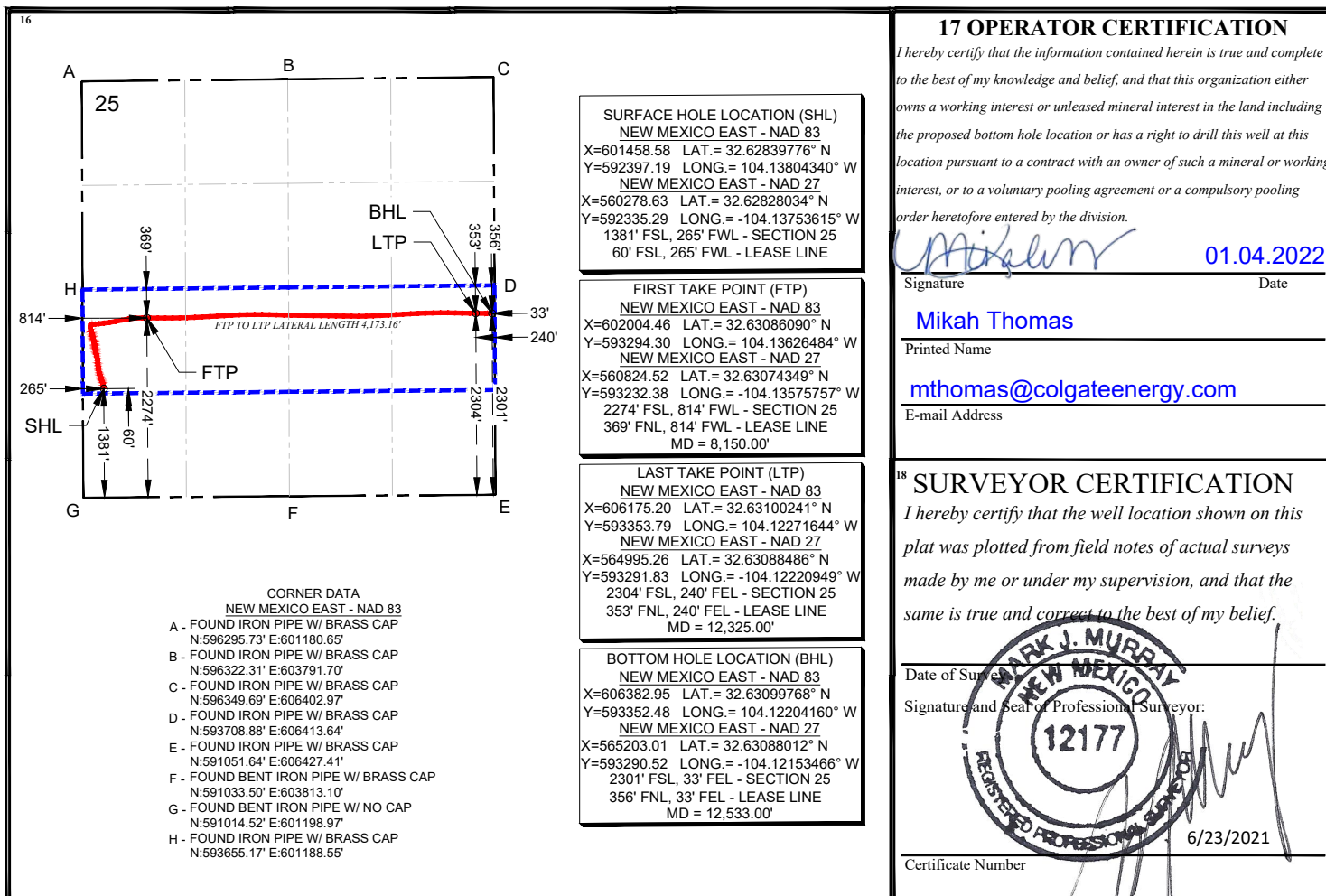
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	25	19-S	28-E		1381'	SOUTH	265'	WEST	EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	25	19-S	28-E		2301'	SOUTH	33'	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
160			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.





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## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-46299		<sup>2</sup> Pool Code 65010	<sup>3</sup> Pool Name WINCHESTER; BONE SPRING	
<sup>4</sup> Property Code 326127	<sup>5</sup> Property Name LADY FRANKLIN 25 STATE			<sup>6</sup> Well Number 131H
<sup>7</sup> OGRID No. 371449	<sup>8</sup> Operator Name COLGATE ENERGY LLC			<sup>9</sup> Elevation 3358.8

---

## <sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	19 S	28 E		1045	NORTH	265	WEST	EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>A</b>	<b>25</b>	<b>19 S</b>	<b>28 E</b>		<b>956</b>	<b>NORTH</b>	<b>24</b>	<b>EAST</b>	<b>EDDY</b>

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
160			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

N89°25'05"E 2611.74 FT

N89°23'56"E 2612.13 FT

17 **OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature

06/12/2020

Date

**Mikah Thomas**

Printed Name

**mthomas@colgateenergy.com**

E-mail Address

S00°13'37"W 2641.18 FT

S00°13'49"E 2641.62 FT

S89°35'18"W 2614.97 FT

18 **SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MAY 5, 2020

Date of Survey

S00°17'54"E 2657.86 FT

SW CORNER SEC. 25  
LAT. = 32.6245986°N  
LONG. = 104.1388945°W  
NMSP EAST (FT)  
N = 591014.56  
E = 601199.10

**SEAL OF THE STATE OF NEW MEXICO**  
**PROFESSIONAL SURVEYOR**  
**12797**

Signature and Seal of Professional Surveyor

Certificate Number: **PLS 12797**

PLS 12797

SE CORNER SEC. 25  
LAT. = 32.6246728°N  
LONG. = 104.1219115°W  
NMSP EAST (FT)  
N = 591051.52  
E = 606427.58

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District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<b>1 API Number</b> 30-015-46300	<b>2 Pool Code</b> 65010	<b>3 Pool Name</b> WINCHESTER; BONE SPRING
<b>4 Property Code</b> 326127	<b>5 Property Name</b> LADY FRANKLIN 25 STATE	<b>6 Well Number</b> 132H
<b>7 OGRID No.</b> 371449	<b>8 Operator Name</b> COLGATE OPERATING, LLC	<b>9 Elevation</b> 3358.0'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	19-S	28-E		1135'	NORTH	265'	WEST	EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	25	19-S	28-E		2302'	NORTH	18'	EAST	EDDY

<b>12 Dedicated Acres</b> 160	<b>13 Joint or Infill</b>	<b>14 Consolidation Code</b>	<b>15 Order No.</b>
----------------------------------	---------------------------	------------------------------	---------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p><b>16</b></p> <p><b>CORNER DATA</b> NEW MEXICO EAST - NAD 83</p> <p>A - FOUND IRON PIPE W/ BRASS CAP N:596295.73' E:601180.65'</p> <p>B - FOUND IRON PIPE W/ BRASS CAP N:596322.31' E:603791.70'</p> <p>C - FOUND IRON PIPE W/ BRASS CAP N:596349.69' E:606402.97'</p> <p>D - FOUND IRON PIPE W/ BRASS CAP N:593708.88' E:606413.64'</p> <p>E - FOUND IRON PIPE W/ BRASS CAP N:591051.64' E:606427.41'</p> <p>F - FOUND BENT IRON PIPE W/ BRASS CAP N:591033.50' E:603813.10'</p> <p>G - FOUND BENT IRON PIPE W/ NO CAP N:591014.52' E:601198.97'</p> <p>H - FOUND IRON PIPE W/ BRASS CAP N:593655.17' E:601188.55'</p>	<p><b>17 OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>[Signature]</i> <b>01.04.2022</b> Signature Date</p> <p><b>Mikah Thomas</b> Printed Name</p> <p><b>mthomas@colgateenergy.com</b> E-mail Address</p> <p><b>18 SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey: <b>6/23/2021</b> Signature and Seal of Professional Surveyor: <i>[Signature]</i></p> <p><b>12177</b> Certificate Number</p>
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District I  
1625 N. French Dr., Hobbs, NM 88240  
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District II  
811 S. First St., Artesia, NM 88210  
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<b>1 API Number</b> 30-015-46357	<b>2 Pool Code</b> 65010	<b>3 Pool Name</b> WINCHESTER; BONE SPRING
<b>4 Property Code</b> 326127	<b>5 Property Name</b> LADY FRANKLIN 25 STATE	<b>6 Well Number</b> 133H
<b>7 OGRID No.</b> 371449	<b>8 Operator Name</b> COLGATE OPERATING, LLC	<b>9 Elevation</b> 3335.0'

<sup>10</sup> Surface Location

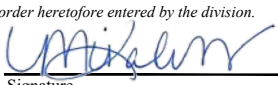
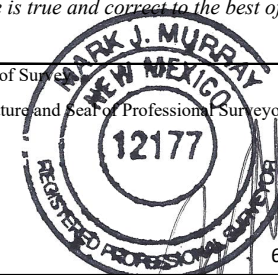
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	25	19-S	28-E		1336'	SOUTH	265'	WEST	EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	25	19-S	28-E		1661'	SOUTH	36'	EAST	EDDY

<b>12 Dedicated Acres</b> 160	<b>13 Joint or Infill</b>	<b>14 Consolidation Code</b>	<b>15 Order No.</b>
----------------------------------	---------------------------	------------------------------	---------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>16</p> <p><b>CORNER DATA</b> NEW MEXICO EAST - NAD 83</p> <p>A - FOUND IRON PIPE W/ BRASS CAP N:596295.73' E:601180.65'</p> <p>B - FOUND IRON PIPE W/ BRASS CAP N:596322.31' E:603791.70'</p> <p>C - FOUND IRON PIPE W/ BRASS CAP N:596349.69' E:606402.97'</p> <p>D - FOUND IRON PIPE W/ BRASS CAP N:593708.88' E:606413.64'</p> <p>E - FOUND IRON PIPE W/ BRASS CAP N:591051.64' E:606427.41'</p> <p>F - FOUND BENT IRON PIPE W/ BRASS CAP N:591033.50' E:603813.10'</p> <p>G - FOUND BENT IRON PIPE W/ NO CAP N:591014.52' E:601198.97'</p> <p>H - FOUND IRON PIPE W/ BRASS CAP N:593655.17' E:601188.55'</p> <p><b>SURFACE HOLE LOCATION (SHL)</b> NEW MEXICO EAST - NAD 83 X=601458.79 LAT.= 32.62827395° N Y=592352.15 LONG.= 104.13804299° W NEW MEXICO EAST - NAD 27 X=560278.84 LAT.= 32.62815654° N Y=592290.25 LONG.= -104.13753574° W 1336' FSL, 265' FWL - SECTION 25 15' FNL, 265' FWL - LEASE LINE</p> <p><b>FIRST TAKE POINT (FTP)</b> NEW MEXICO EAST - NAD 83 X=601823.06 LAT.= 32.62910255° N Y=592654.27 LONG.= 104.13685791° W NEW MEXICO EAST - NAD 27 X=560643.12 LAT.= 32.62898513° N Y=592592.36 LONG.= -104.13635067° W 1635' FSL, 631' FWL - SECTION 25 314' FSL, 631' FWL - LEASE LINE MD = 9,042.00'</p> <p><b>LAST TAKE POINT (LTP)</b> NEW MEXICO EAST - NAD 83 X=606168.43 LAT.= 32.62921582° N Y=592703.80 LONG.= 104.12274260° W NEW MEXICO EAST - NAD 27 X=564988.48 LAT.= 32.62909825° N Y=592641.86 LONG.= -104.12233570° W 1654' FSL, 250' FEL - SECTION 25 326' FSL, 250' FEL - LEASE LINE MD = 13,392.00'</p> <p><b>BOTTOM HOLE LOCATION (BHL)</b> NEW MEXICO EAST - NAD 83 X=606382.87 LAT.= 32.62923784° N Y=592712.24 LONG.= 104.12204600° W NEW MEXICO EAST - NAD 27 X=565202.92 LAT.= 32.62912027° N Y=592650.30 LONG.= -104.12153911° W 1661' FSL, 36' FEL - SECTION 25 332' FSL, 36' FEL - LEASE LINE MD = 13,607.00'</p>	<p><b>17 OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p> <b>01.04.2022</b> Signature Date</p> <p><b>Mikah Thomas</b> Printed Name</p> <p><b>mthomas@colgateenergy.com</b> E-mail Address</p> <p><b>18 SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p> Date of Survey Signature and Seal of Professional Surveyor</p> <p><b>6/23/2021</b> Certificate Number</p>
---	---

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Revised August 1, 2011  
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## WELL LOCATION AND ACREAGE DEDICATION PLAT

<b>1 API Number</b> 30-015-46356		<b>2 Pool Code</b> 65010	<b>3 Pool Name</b> WINCHESTER; BONE SPRING
<b>4 Property Code</b>	<b>5 Property Name</b> LADY FRANKLIN 25 STATE		<b>6 Well Number</b> 134H
<b>7 OGRID No.</b> 371449	<b>8 Operator Name</b> COLGATE OPERATING, LLC		<b>9 Elevation</b> 3332.0'

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<sup>10</sup> Surface Location

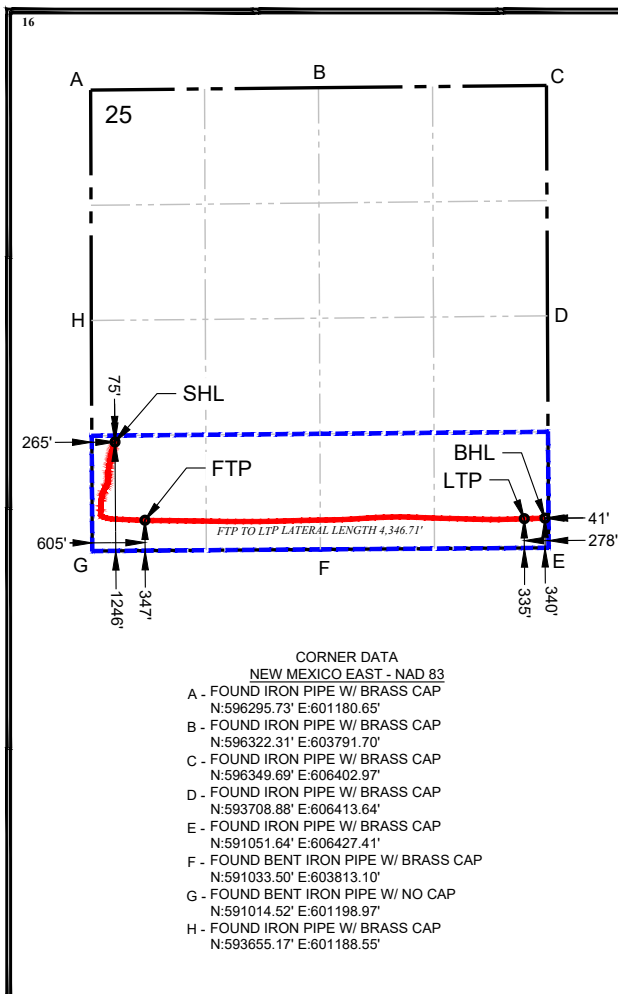
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	25	19-S	28-E		1246'	SOUTH	265'	WEST	EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	25	19-S	28-E		340'	SOUTH	41'	EAST	EDDY


12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
160			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



## 17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature  Date 01.04.2022

Signature \_\_\_\_\_ Date \_\_\_\_\_

Mikah Thomas

Printed Name \_\_\_\_\_

[mthomas@colgateenergy.com](mailto:mthomas@colgateenergy.com)

E-mail Address

## <sup>18</sup> SURVEYOR CERTIFICATION

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

Date of Survey: \_\_\_\_\_  
Signature and Seal of Professional Surveyor: \_\_\_\_\_

Signature and Seal of Professional Surveyor:

Certificate Number



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## State of New Mexico

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## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

<b>1 API Number</b> 30-015-46355	<b>2 Pool Code</b> 65010	<b>3 Pool Name</b> WINCHESTER; BONE SPRING
<b>4 Property Code</b> 326127	<b>5 Property Name</b> LADY FRANKLIN 25 STATE	<b>6 Well Number</b> 124H
<b>7 OGRID No.</b> 371449	<b>8 Operator Name</b> COLGATE OPERATING, LLC	<b>9 Elevation</b> 3333.0'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	25	19-S	28-E		1291'	SOUTH	265'	WEST	EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	25	19-S	28-E		969'	SOUTH	39'	EAST	EDDY

<b>12 Dedicated Acres</b> 160	<b>13 Joint or Infill</b>	<b>14 Consolidation Code</b>	<b>15 Order No.</b>
----------------------------------	---------------------------	------------------------------	---------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<div data-bbox="66 991 1039 1978"> <p><b>CORNER DATA</b> NEW MEXICO EAST - NAD 83</p> <p>A - FOUND IRON PIPE W/ BRASS CAP N:596295.73' E:601180.65'</p> <p>B - FOUND IRON PIPE W/ BRASS CAP N:596322.31' E:603791.70'</p> <p>C - FOUND IRON PIPE W/ BRASS CAP N:596349.69' E:606402.97'</p> <p>D - FOUND IRON PIPE W/ BRASS CAP N:593708.88' E:606413.64'</p> <p>E - FOUND IRON PIPE W/ BRASS CAP N:591051.64' E:606427.41'</p> <p>F - FOUND BENT IRON PIPE W/ BRASS CAP N:591033.50' E:603813.10'</p> <p>G - FOUND BENT IRON PIPE W/ NO CAP N:591014.52' E:601198.97'</p> <p>H - FOUND IRON PIPE W/ BRASS CAP N:593655.17' E:601188.55'</p> </div>	<div data-bbox="1039 991 1526 1491"> <p><b>17 OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>[Signature]</i> <b>01.04.2022</b> Signature Date</p> <p><b>Mikah Thomas</b> Printed Name</p> <p><b>mthomas@colgateenergy.com</b> E-mail Address</p> </div>
	<div data-bbox="1039 1491 1526 1978"> <p><b>18 SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey: <b>6/23/2021</b></p> <p>Signature and Seal of Professional Surveyor: <i>[Signature]</i></p> <p>Certificate Number: <b>12177</b></p> </div>

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Geological & Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



### ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: \_\_\_\_\_ OGRID Number: \_\_\_\_\_  
 Well Name: \_\_\_\_\_ API: \_\_\_\_\_  
 Pool: \_\_\_\_\_ Pool Code: \_\_\_\_\_

### SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) **TYPE OF APPLICATION:** Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL      ☐ NSP (PROJECT AREA)      ☐ NSP (PRORATION UNIT)      ☐ SD

B. Check one only for [ I ] or [ II ]

[ I ] Commingling – Storage – Measurement

☐ DHC    ☐ CTB    ☐ PLC    ☐ PC    ☐ OLS    ☐ OLM

[ II ] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX    ☐ PMX    ☐ SWD    ☐ IPI    ☐ EOR    ☐ PPR

2) **NOTIFICATION REQUIRED TO:** Check those which apply.

- A. ☐ Offset operators or lease holders  
 B. ☐ Royalty, overriding royalty owners, revenue owners  
 C. ☐ Application requires published notice  
 D. ☐ Notification and/or concurrent approval by SLO  
 E. ☐ Notification and/or concurrent approval by BLM  
 F. ☐ Surface owner  
 G. ☐ For all of the above, proof of notification or publication is attached, and/or,  
 H. ☐ No notice required

#### FOR OCD ONLY

- ☐ Notice Complete  
☐ Application Content Complete

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

\_\_\_\_\_  
 Print or Type Name

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Phone Number

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 e-mail Address

**From:** [Engineer, OCD, EMNRD](#)  
**To:** [Mikah Thomas](#)  
**Cc:** [McClure, Dean, EMNRD](#); [Hawkins, James, EMNRD](#); [Wrinkle, Justin, EMNRD](#); [Powell, Brandon, EMNRD](#); [lisa@rwbyram.com](#); [Dawson, Scott](#)  
**Subject:** Approved Administrative Order CTB-1026  
**Date:** Wednesday, March 30, 2022 9:37:35 AM  
**Attachments:** [CTB1026 Order.pdf](#)

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NMOCD has issued Administrative Order CTB-1026 which authorizes Colgate Operating, LLC (371449) to surface commingle or off-lease measure, as applicable, the following wells:

Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-015-46298	Lady Franklin 25 State #121H	N/2 N/2	25-19S-28E	65010
30-015-46299	Lady Franklin 25 State #131H	N/2 N/2	25-19S-28E	65010
30-015-46300	Lady Franklin 25 State #132H	S/2 N/2	25-19S-28E	65010
30-015-46354	Lady Franklin 25 State #123H	N/2 S/2	25-19S-28E	65010
30-015-46355	Lady Franklin 25 State #124H	S/2 S/2	25-19S-28E	65010
30-015-46357	Lady Franklin 25 State #133H	N/2 S/2	25-19S-28E	65010
30-015-46356	Lady Franklin 25 State #134H	S/2 S/2	25-19S-28E	65010

The administrative order is attached to this email and can also be found online at OCD Imaging.

Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.

Dean McClure  
Petroleum Engineer, Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
(505) 469-8211

**STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

**APPLICATION FOR SURFACE COMMINGLING  
SUBMITTED BY COLGATE OPERATING, LLC**

**ORDER NO. CTB-1026**

**ORDER**

The Director of the New Mexico Oil Conservation Division (“OCD”), having considered the application and the recommendation of the OCD Engineering Bureau, issues the following Order.

**FINDINGS OF FACT**

1. Colgate Operating, LLC (“Applicant”) submitted a complete application to surface commingle the oil and gas production from the pools, leases, and wells identified in Exhibit A (“Application”).
2. Applicant proposed a method to allocate the oil and gas production to the pools, leases, and wells to be commingled.
3. To the extent that ownership is identical, Applicant submitted a certification by a licensed attorney or qualified petroleum landman that the ownership in the pools, leases, and wells to be commingled is identical as defined in 19.15.12.7.B. NMAC.
4. To the extent that ownership is diverse, Applicant provided notice of the Application to all persons owning an interest in the oil and gas production to be commingled, including the owners of royalty and overriding royalty interests, regardless of whether they have a right or option to take their interests in kind, and those persons either submitted a written waiver or did not file an objection to the Application.
5. Applicant provided notice of the Application to the Bureau of Land Management (“BLM”) or New Mexico State Land Office (“NMSLO”), as applicable.

**CONCLUSIONS OF LAW**

6. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, §§ 70-2-6, 70-2-11, 70-2-12, 70-2-16, and 70-2-17, 19.15.12. NMAC, and 19.15.23. NMAC.
7. Applicant satisfied the notice requirements for the Application in accordance with 19.15.12.10.A.(2) NMAC, 19.15.12.10.C.(4)(c) NMAC, and 19.15.12.10.C.(4)(e) NMAC, as applicable.
8. Applicant satisfied the notice requirements for the Application in accordance with 19.15.23.9.A.(5) NMAC and 19.15.23.9.A.(6) NMAC, as applicable.
9. Applicant’s proposed method of allocation, as modified herein, complies with 19.15.12.10.B.(1) NMAC or 19.15.12.10.C.(1) NMAC, as applicable.

10. Commingling of oil and gas production from state, federal, or tribal leases shall not commence until approved by the BLM or NMSLO, as applicable, in accordance with 19.15.12.10.B.(3) NMAC and 19.15.12.10.C.(4)(h) NMAC.
11. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

### **ORDER**

1. Applicant is authorized to surface commingle oil and gas production from the pools, leases, and wells identified in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease from the pools, leases, and wells identified in Exhibit A at a central tank battery described in Exhibit A.

2. The oil and gas production for each well identified in Exhibit A shall be separated and metered prior to commingling.
3. Applicant shall measure and market the commingled oil at a central tank battery described in Exhibit A in accordance with this Order and 19.15.18.15. NMAC or 19.15.23.8. NMAC.
4. Applicant shall measure and market the commingled gas at a well pad, central delivery point, central tank battery, or gas title transfer meter described in Exhibit A in accordance with this Order and 19.15.19.9. NMAC, provided however that if the gas is vented or flared, and regardless of the reason or authorization pursuant to 19.15.28.8.B. NMAC for such venting or flaring, Applicant shall measure or estimate the gas in accordance with 19.15.28.8.E. NMAC.
5. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10.C.(2) NMAC.
6. If the commingling of oil and gas production from any pool, lease, or well reduces the value of the commingled oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new surface commingling application to OCD to amend this Order to remove the pool, lease, or well whose oil and gas production caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
7. Applicant shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.
8. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).
9. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

**STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION**

A handwritten signature in black ink, appearing to read 'A. Sandoval', written over a horizontal line.

**ADRIENNE SANDOVAL  
DIRECTOR**

**DATE:** 3/29/2022

State of New Mexico  
Energy, Minerals and Natural Resources Department

## Exhibit A

Order: **CTB-1026**

Operator: **Colgate Operating, LLC (371449)**

Central Tank Battery: **Lady Franklin 25 State Battery**

Central Tank Battery Location: **NW/4, Section 25, Township 19 South, Range 28 East**

Gas Title Transfer Meter Location: **NW/4, Section 25, Township 19 South, Range 28 East**

### Pools

Pool Name	Pool Code
<b>WINCHESTER; BONE SPRING</b>	<b>65010</b>

### Leases as defined in 19.15.12.7(C) NMAC

Lease	UL or Q/Q	S-T-R
<b>EO 50730007</b>	<b>N/2</b>	<b>25-19S-28E</b>
<b>EO 50730007</b>	<b>S/2</b>	<b>25-19S-28E</b>

### Wells

Well API	Well Name	UL or Q/Q	S-T-R	Pool
<b>30-015-46298</b>	<b>Lady Franklin 25 State #121H</b>	<b>N/2 N/2</b>	<b>25-19S-28E</b>	<b>65010</b>
<b>30-015-46299</b>	<b>Lady Franklin 25 State #131H</b>	<b>N/2 N/2</b>	<b>25-19S-28E</b>	<b>65010</b>
<b>30-015-46300</b>	<b>Lady Franklin 25 State #132H</b>	<b>S/2 N/2</b>	<b>25-19S-28E</b>	<b>65010</b>
<b>30-015-46354</b>	<b>Lady Franklin 25 State #123H</b>	<b>N/2 S/2</b>	<b>25-19S-28E</b>	<b>65010</b>
<b>30-015-46355</b>	<b>Lady Franklin 25 State #124H</b>	<b>S/2 S/2</b>	<b>25-19S-28E</b>	<b>65010</b>
<b>30-015-46357</b>	<b>Lady Franklin 25 State #133H</b>	<b>N/2 S/2</b>	<b>25-19S-28E</b>	<b>65010</b>
<b>30-015-46356</b>	<b>Lady Franklin 25 State #134H</b>	<b>S/2 S/2</b>	<b>25-19S-28E</b>	<b>65010</b>

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 72685

**CONDITIONS**

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 72685
	Action Type: [C-107] Surface Commingle or Off-Lease (C-107B)

**CONDITIONS**

Created By	Condition	Condition Date
dmcclure	Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.	3/30/2022