



300 N. MARIENFELD STREET, SUITE 1000
MIDLAND, TX 79701

OFFICE 432.695.4222
FAX 432.695.4063

VIA ONLINE FILING

Date: September 20, 2023

New Mexico Oil Conservation District
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Application of Permian Resources Operating, LLC to authorize surface commingling at the Blackhawk/Black Cat 16 State Com Central Tank Battery located in the NE1/4NE1/4 of Section 16, Township 19 South, Range 28 East, NMPM, Eddy County, New Mexico

To Whom It May Concern,

Pursuant to Division Rule 19.15.12.10, Permian Resources Operating, LLC respectfully requests administrative approval to surface commingle leases at a common Central Tank Battery. All the oil and gas produced on the subject lands in the Winchester; Bone Spring, West [97569] pool is and will be metered separately at each wellhead and allocated using accurate measurement equipment according to API specifications. This action will prevent waste, promote conservation, and protect correlative rights.

The wells listed below are operated by Permian Resources with diverse ownership and there are four proposed Communitization Agreements covering the following spacing units:

(a) The 320-acre, more or less, spacing unit underlying the N/2N/2 of Section 16 and Section 17, T19S-R28E, all in Eddy County, New Mexico. The spacing unit is currently dedicated to the Black Cat 16 State Com #131H well (API No. 30-015-53304); (b) The 320-acre, more or less, spacing unit underlying the S/2N/2 of Section 16 and Section 17, T19S- R28E, all in Eddy County, New Mexico. The spacing unit is currently dedicated to the Black Cat 16 State Com #132H well (API No. 30-015-53305); (c) The 320-acre, more or less, spacing unit underlying the N/2S/2 of Section 16 and Section 17, T19S-R28E, all in Eddy County, New Mexico. The spacing unit is currently dedicated to the Black Hawk 16 State Com #133H well (API No. 30-015-53300) and Black Hawk 16 State Com #123H well (API No. 30-015-53298); (d) The 320-acre, more or less, spacing unit underlying the S/2S/2 of Section 16 and Section 17, T19S-R28E, all in Eddy County, New Mexico. The spacing unit is currently dedicated to the Black Hawk 16 State Com #134H well (API No. 30-015-53301) and Black Hawk 16 State Com #124H (API No. 30-015-53299).

API	WELL NAME	WELL #	LOCATION
30-015-53304	BLACK CAT 16 STATE COM	131H	17-19S-28E
30-015-53305	BLACK CAT 16 STATE COM	132H	17-19S-28E
30-015-53298	BLACKHAWK 16 STATE COM	123H	17-19S-28E
30-015-53299	BLACKHAWK 16 STATE COM	124H	17-19S-28E
30-015-53300	BLACKHAWK 16 STATE COM	133H	17-19S-28E
30-015-53301	BLACKHAWK 16 STATE COM	134H	17-19S-28E

Pursuant to Division Rule 19.15.12.10, the interest owners that are to be notified are listed on Exhibit A and are being sent a copy of this application by certified mail with return receipt.

Also please find attached:



300 N. MARIENFELD STREET, SUITE 1000
MIDLAND, TX 79701

OFFICE 432.695.4222
FAX 432.695.4063

- SLO Commingling Application
- NMOCD Form C-107B
- NMOCD Administrative Application Checklist
- Allocation Methodology
- General Layout and Process Flow Diagram
- Lease Map
- Com Agreements
- NMOCD Form C-102 for each well
- Production Summary Reports
- Affidavit of Publication

For future addition of wells, leases, and pools to this commingling operation, notice shall be given to the interest owners in the wells, leases, or pools to be added, in accordance with the Division Rule 19.15.12.10 C (4)(g) NMAC.

If you have any questions or concerns, please contact me at 432-400-2972 or ashley.brown@permianres.com.

Respectfully,

A handwritten signature in black ink that reads "Ashley Brown". The signature is written in a cursive, flowing style.

Ashley Brown
Senior Regulatory Analyst
Permian Resources Operating, LLC



300 N. MARIENFELD STREET, SUITE 1000
MIDLAND, TX 79701

OFFICE 432.695.4222
FAX 432.695.4063

Commingle Application for Blackhawk/Black Cat 16 State Com CTB
Permian Resources Operating, LLC (OGRID No. 372165)

Exhibit "A" - Notice List

State of New Mexico Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Lodge Exploration Company, LLC
203 W. Wall Street, Suite 920
Midland, Texas 79701

Thomas M. Beall
P.O. Box 3098
Midland, Texas 79702

Gahr Ranch and Investments Partnership, Ltd.
P.O. Box 1889
Midland, Texas 79702

V-F Petroleum Inc.
P.O. Box 1889
Midland, Texas 79702

Colgate Royalties, LP
300 N. Marienfeld Street, Suite 1000
Midland, Texas 79701

Contango Resources, Inc.
717 Texas Avenue, Suite 2900
Houston, Texas 77002

Marathon Oil Permian LLC
990 Town and Country Blvd.
Houston, Texas 77024

Marathon Oil Company
990 Town and Country Blvd.
Houston, Texas 77024

Colgate Production, LLC
300 N. Marienfeld Street, Suite 1000
Midland, Texas 79701

Northern Oil & Gas
4350 Baker Road, Ste 400
Minnetonka, MN 55343

EOG Resources, Inc.
5509 Champions Drive
Midland, Texas 79706

Petrogulf Corporation
600 Grant Street, Suite 850
Denver, Colorado 80203



300 N. MARIENFELD STREET, SUITE 1000
MIDLAND, TX 79701

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FAX 432.695.4063

Santo Legado, LLC
P.O. Box 1020
Artesia, New Mexico 88211-1020

Sharbro Energy, LLC
P.O. Box 840
Artesia, New Mexico 88211-0840

MRC Delaware Resources, LLC
5400 Lyndon B. Johnson Freeway, Suite 1500
Dallas, Texas 75240

Jalapeno Corporation
P.O. Box 1608
Albuquerque, New Mexico 87103-1608

WPX Energy Permian, LLC
3500 One Williams Center
Tulsa, Oklahoma 74172

V-F Petroleum Inc.
P.O. Box 1889
Midland, Texas 79702

Contango Resources, Inc.
717 Texas Avenue, Suite 2900
Houston, Texas 77002

ZPZ Delaware I LLC
2000 Post Oak Blvd., Suite 100
Houston, Texas 77056-4400

Ridge Runner Resources Operating, LLC
1004 N. Big Spring Street, Suite 325
Midland, Texas 79701

Petrogulf Corporation
600 Grant Street, Suite 850
Denver, Colorado 80203

Copies of this application were mailed to the above individuals, companies, and organizations on or before September 20, 2023.

A handwritten signature in black ink, reading "Ashley Brown", written over a horizontal line.

Ashley Brown, Senior Regulatory Analyst
Permian Resources Operating, LLC

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

 Signature

 Date

 Phone Number

 e-mail Address

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 IV1220 S. St Francis Dr, Santa Fe, NM
87505

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-107-B

Revised August 1, 2011

OIL CONSERVATION DIVISION1220 S. St Francis Drive
Santa Fe, New Mexico 87505Submit the original
application to the Santa Fe
office with one copy to the
appropriate District Office.**APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)**OPERATOR NAME: PERMIAN RESOURCES OPERATING, LLCOPERATOR ADDRESS: 300 N MARIENFELD STREET, SUITE 1000, MIDLAND, TX 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 ☐ FederalIs 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, WEST [97569]

(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: Ashley BrownTITLE: Senior Regulatory AnalystDATE: 09/16/2023TYPE OR PRINT NAME Ashley BrownTELEPHONE NO.: (432) 400-2972E-MAIL ADDRESS: ashley.brown@permianres.com



**APPLICATION FOR
COMMINGLING AND OFF-LEASE STORAGE
ON STATE TRUST LANDS**



This application form is required for all commingling applications requiring approval by the Commissioner of Public Lands.

Applicant: Permian Resources Operating, LLC **OGRID #:** 372165
Well Name: Black Cat 16 State Com 131H, 132H/Blackhawk 16 State Com 123H, 124H, 133H, 134H **API #:** 30-015-53304 30-015-53299
Pool: [97569] WINCHESTER; BONE SPRING, WEST 30-015-53305 30-015-53300
30-015-53298 30-015-53301

OPERATOR NAME: Permian Resources Operating, LLC

OPERATOR ADDRESS: 300 N Marienfeld St, Suite 1000, Midland, TX 79701

APPLICATION REQUIREMENTS – SUBMIT:

1. New Mexico Oil Conservation Division (NMOCD) application packet (or equivalent information if no application is required by NMOCD),
2. Commingling application fee of \$150.

CERTIFICATION: To the best of my knowledge,

- All business leases and rights-of-way necessary for conducting the proposed operation on State Trust lands have been applied for or obtained,
- The information submitted with this application is **accurate** and **complete**, and
- No loss will accrue to the state of New Mexico as a result of the proposed operation.

I also understand that **no action** will be taken on this application until the required information and fee are submitted to the State Land Office.

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

Ashley Brown

Print or Type Name

Ashley Brown

Signature

(432) 400-2972

Phone Number

9/19/2023

Date

ashley.brown@permianres.com

e-mail Address

Submit application to:
 Commissioner of Public Lands
 Attn: Commingling Manager
 PO Box 1148
 Santa Fe, NM 87504-1148

Questions?
 Contact the Commingling Manager:
 505.827.5791

Upon approval, the requesting organization will receive an acknowledgment letter from the Commissioner of Public Lands.

Allocation Methodology Used to Determine Allocated Production and Sales to Each Well

*Well Name	Wellhead Meter Readings (MSCF)	Well's Gas Lift Meter Readings (MSCF)	Well's Net Gas Production (MSCF)	Well's Hours On	Well's Theoretical Net Gas Production %	Well's CTB FC Meter (FMP) Allocation (MSCF)	Well's HP Flare Volume (MSCF)	Well's LP Flare Volume (MSCF)	Well's Allocated Lease Use Gas Volume (MSCF)	Well's Allocated Buy-Back Gas (MSCF)	Well's VRU Allocation Volume (MSCF)	Well's Allocated Gas Production (MSCF)
Black Cat 16 State Com 131H	2,021.00	810.00	1,279.14	24.00	0.15	1,239.94	64.35	37.12	21.18	35.31	68.14	1,362.60
Black Cat 16 State Com 132H	2,432.00	823.00	1,677.08	23.40	0.20	1,625.70	84.37	37.09	20.65	35.87	68.08	1,767.81
Black Hawk 16 State Com 123H	2,321.00	923.00	1,470.50	24.00	0.18	1,425.44	73.98	39.50	21.18	40.23	72.50	1,560.10
Black Hawk 16 State Com 124H	2,102.00	811.00	1,368.85	21.00	0.16	1,326.91	68.87	42.42	18.53	35.35	77.85	1,456.73
Black Hawk 16 State Com 133H	2,231.00	872.00	1,432.55	23.00	0.17	1,388.66	72.07	40.07	20.29	38.01	73.55	1,521.09
Black Hawk 16 State Com 134H	2,019.00	923.00	1,159.88	24.00	0.14	1,124.35	58.35	34.80	21.18	40.23	63.88	1,238.68
Facility Totals	13,126.00	5,162.00	8,388.00	139.40	1.00	8,131.00	422.00	231.00	123.00	225.00	424.00	8,907.00

CTB Meter Name	Meter Readings
CTBs FC Meter (FMP) (MSCF)	8,131.00
HP Flare Meter (MSCF)	422.00
LP Flare Meter (MSCF)	231.00
VRU Meter (MSCF)	424.00
CTBs Gas Buy-Back Meter (MSCF)	225.00
CTBs Lease Use Meter (MSCF)	123.00
GL Compressor (MSCF)	5,162.00
Allocated Production (MSCF)	8,907.00

*Future wells and production streams will be added to the allocation methodology just as existing wells have been added

Allocation Methodology Used to Determine Allocated Production and Sales to Each Well

*Well Name	Well's Oil Meter (BBL)	Well's Theoretical % of Oil Production	Well's Allocated Oil Production Volume (BBL)	Well's Available Oil for Sale (BBL)	Well's Theoretical % of Oil Available for Sale	Well's Allocated Sales Volume (FMP) (BBL)	Well's Beginning Tank Inventory (BBL)	Well's Ending Tank Inventory (BBL)
Black Cat 16 State Com 131H	1,234.00	0.16	3,611.85	3,798.85	0.16	3,487.22	187.00	311.63
Black Cat 16 State Com 132H	1,233.00	0.16	3,608.92	3,801.92	0.16	3,490.04	193.00	311.88
Black Hawk 16 State Com 123H	1,313.00	0.17	3,843.08	4,020.08	0.17	3,690.30	177.00	329.78
Black Hawk 16 State Com 124H	1,410.00	0.18	4,126.99	4,309.99	0.18	3,956.43	183.00	353.56
Black Hawk 16 State Com 133H	1,332.00	0.17	3,898.69	4,071.69	0.17	3,737.68	173.00	334.01
Black Hawk 16 State Com 134H	1,157.00	0.15	3,386.47	3,573.47	0.15	3,280.33	187.00	293.14
Facility Totals	7,679.00	1.00	22,476.00	23,576.00	1.00	21,642.00	1,100.00	1,934.00

CTB Allocated Oil Production (BBL)	22,476.00	<--Pipeline LACT
CTB Available Oil for Sale (BBL)	23,576.00	
Total CTB Sales Volume (FMP) (BBL)	21,642.00	
CTB's Beginning Oil Tank Inventory (BBL)	1,100.00	
CTB's Ending Tank Inventory (BBL)	1,934.00	

*Future wells and production streams will be added to the allocation methodology just as existing wells have been added

Allocation Methodology Used to Determine Allocated Production and Sales to Each Well

*Well Name	Well's Water Meter (BBL)	Well's Theoretical % of Water Production	Well's Allocated Water Production (BBL)	Well's Available Water to Transfer (BBL)	Well's Theoretical % of Water Available to Transfer	Well's Allocated Water Transfer Volume (BBL)	Well's Beginning Tank Inventory (BBL)	Well's Ending Tank Inventory (BBL)
Black Cat 16 State Com 131H	4,381.00	0.1523	4,694.67	4,926.67	0.1537	4,476.29	232.00	450.38
Black Cat 16 State Com 132H	4,281.00	0.1489	4,587.51	4,788.51	0.1494	4,350.76	201.00	437.75
Black Hawk 16 State Com 123H	5,231.00	0.1819	5,605.53	5,818.53	0.1815	5,286.62	213.00	531.91
Black Hawk 16 State Com 124H	4,019.00	0.1398	4,306.75	4,505.75	0.1405	4,093.85	199.00	411.90
Black Hawk 16 State Com 133H	5,923.00	0.2060	6,347.07	6,545.07	0.2041	5,946.74	198.00	598.33
Black Hawk 16 State Com 134H	4,923.00	0.1712	5,275.47	5,477.47	0.1708	4,976.74	202.00	500.73
Facility Totals:	28,758.00	1.0000	30,817.00	32,062.00	1.0000	29,131.00	1,245.00	2,931.00

CTBs Allocated Water Production (BBL)	30,817.00
CTBs Available Water to Transfer (BBL)	32,062.00
Total of CTBs Water Transfer Meters (BBL)	29,131.00
CTB's Beginning Water Tank Inventory (BBL)	1,245.00
CTB's Ending Water Tank Inventory (BBL)	2,931.00

*Future wells and production streams will be added to the allocation methodology just as existing wells have been added



3/8/2023

COMMINGLED CENTRAL TANK BATTERY - PRORATED ALLOCATION

DAILY GAS ALLOCATION

Each well has a gas production meter (wellhead meter) on a dedicated test vessel that is used as an allocation meter.

There is a single VRU meter installed at the facility that measures tank vapors evolved from oil in the atmospheric tanks and vapor recovery tower (VRT). Gas metered by the VRU meter is allocated to each well based off the Oil Allocation meters mentioned in the Oil Allocation section below.

There is a high-pressure flare gas meter at the facility that measures gas sent to the emergency flare. Metered high-pressure flare gas is allocated to each well based off the gas production meters detailed below.

There is a low-pressure flare gas meter at the facility that measures gas sent to low pressure flare from tanks or the VRT if the VRUs shuts down. Metered low-pressure flare gas is allocated to each well based off the oil production meters detailed below.

There is a lease use meter at the facility that measures gas used to run heater treater burners, flare pilots, and natural gas generators.

There is a buy-back gas meter at the facility that measures gas purchased from the gas midstream company for gas lift injection. Gas is purchased through the gas buy-back meter in the case that the wells at the facility are not temporarily producing enough gas to meet their gas injection needs.

Finally, there is a single CTB Facility Check Meter (FMP) before the gas enters the gas gathering pipeline leaving the pad.

1. The Well's Net Gas Production is the volume of gas produced by the well less any volume used for gas lift. The Well's Net Gas Production also includes the Well's VRU Allocation Volume. It is calculated by:
 - a. $\text{Well's Net Gas Production} = \text{Well's Wellhead Meter Readings} - \text{Well's Gas Lift Meter Readings} + \text{Well's VRU Allocation Volume}$
 - b. $\text{Well's VRU Allocation Volume} = \text{VRU Meter} * \text{Well's Theoretical \% of Oil Production}$
 - c. $\text{Well's Theoretical \% of Oil Production} = \text{Well's Oil Meter} / (\text{sum of all Well's Oil Meters at the CTB})$
2. HP Flare Volume is the volume of gas flashed in the test separators and flared at the high-pressure flare at the CTB. HP Flare Volume is allocated to the wells by:
 - a. $\text{Well's HP Flare Volume} = \text{HP Flare Meter} * \text{Well's Theoretical Net Gas Production \%}$
 - b. $\text{Well's Theoretical Net Gas Production \%} = \text{Well's Net Gas Production} / (\text{sum of all Well's Net Gas Production})$
3. LP Flare Volume is the volume of gas flashed in the tanks and flared at the low-pressure flare at the CTB. LP Flare Volume is allocated to the wells by:
 - a. $\text{Well's LP Flare Volume} = \text{LP Flare Meter} * \text{Well's Theoretical \% of Oil Production}$
 - b. $\text{Well's Theoretical \% of Oil Production} = \text{Well's Oil Meter} / (\text{sum of all Well's Oil Meters at CTB})$

4. The VRU Meter measures the gas that evolves from the oil in the oil tanks and the VRT. The VRU gas volumes are allocated based on allocated oil production for each well. The VRU Meter is an allocation meter.
 - a. Well's VRU Allocation Volume = VRU Meter * Well's Theoretical % of Oil Production
 - b. Well's Theoretical % of Oil Production = Well's Oil Meter / (Sum of all Well's Oil Meters at CTB)
5. Allocated Lease Use Gas Volume is the volume of gas used by the equipment on the CTB allocated to the wells by:
 - a. Well's Allocated Lease Use Gas Volume = CTBs Lease Use Meter* (Well's Hours On / (sum of all Well's Hours On))
6. Well's Allocated Buy-Back Gas is the volume of gas purchased back from the gas midstream company to cover shortfalls in produced gas for gas lift injection:
 - a. Well's Allocated Buy-Back Gas = CTBs Gas Buy-Back Meter * (Well's Gas Lift Meter Reading/sum of all Well's Gas Lift Meter Reading)
7. Well's Theoretical Net Gas Production % used for the allocation of production/sales is calculated by:
 - a. Well's Theoretical Net Gas Production % = Well's Net Gas Production / (sum of all Well's Net Gas Production)
8. CTBs FC Meter (FMP) measures the volume of gas for royalty purposes. This volume of gas is the total that is sold from the CTB. The CTBs FC Meter (FMP) volumes are allocated to each well by:
 - a. Well's CTB FC Meter (FMP) Allocation = CTBs FC Meter (FMP) * Well's Theoretical Net Gas Production %
 - b. Well's Theoretical Net Gas Production % = Well's Net Gas Production / (sum of all Well's Net Gas Production)
9. Each Well's Allocated Gas Production at the CTB is calculated by:
 - a. Well's Allocated Gas Production = Well's CTBs FC Meter (FMP) Allocation + Well's HP Flare Volume + Well's MP Flare Volume + Well's LP Flare Volume + Well's Allocated Lease Use Gas Volume

Note: The Well's VRU Allocation Volume is included in the Well's Net Gas Production equation

DAILY OIL ALLOCATION

Each well has an oil meter (wellhead meter) on a dedicated test vessel that measures the volume of oil produced by the well. This volume is used as the allocation point to prorate Well's Allocated Oil Production Volume and Well's Allocated Oil Sales Volume (FMP) back to each well.

1. Well's Allocated Oil Production Volume is the volume of oil produced by each well and is calculated by:
 - a. Well's Allocated Oil Production Volume = Well's Theoretical % of Oil Production * CTB Allocated Oil Production
 - b. Well's Theoretical % of Oil Production = Well's Oil Meter/ (sum of all Well's Oil Meters at the CTB)
 - c. CTB Allocated Oil Production = Total CTB Sales Volume (FPM) + Ending Tank Inventory – Beginning Tank Inventory
2. CTB Available Oil for Sale is calculated by:
 - a. CTB Available Oil for Sale = CTB Allocated Oil Production + Beginning Tank Inventory

3. Each Well's Available Oil for Sale is calculated by:
 - a. $\text{Each Well's Available Oil for Sale} = \text{Well's Allocated Oil Production Volume} + \text{Well's Beginning Tank Inventory}$

Note: Well's Beginning Tank Inventory is the amount carried forward from the previous day's contract hour
4. Well's Theoretical % of Oil Available for Sale is calculated by:
 - a. $\text{Well's Theoretical \% of Oil Available for Sale} = \text{Well's Available Oil for Sale} / (\text{sum of all Well's Available Oil for Sale})$
5. Well's Allocated Sales Volume (FMP) is the total oil volume allocated to each well and is calculated by:
 - a. $\text{Well's Allocated Sale Volume (FMP)} = \text{Total CTB Sales Volume (FMP)} * \text{Well's Theoretical \% of Oil Available for Sale}$
6. Total CTB Sales Volume (FMP) is the volume of oil sold through the LACT Unit(s) (FMP meter)
7. Beginning Tank Inventory comes from previous accounting period's Ending Tank Inventory for each well
8. Ending Oil Tank Inventory for each well is calculated by:
 - a. $\text{Well's Ending Tank Inventory} = \text{Well's Beginning Oil Tank Inventory} + \text{Well's Allocated Oil Production Volume} - \text{Well's Allocated Sales Volume}$

DAILY WATER ALLOCATION

Each well has a water meter (wellhead meter) on a dedicated test vessel that measures the volume of water produced by the well. This volume is used as the allocation point to prorate Well's Allocated Water Production and Well's Allocated Water Transfer Volume back to each well.

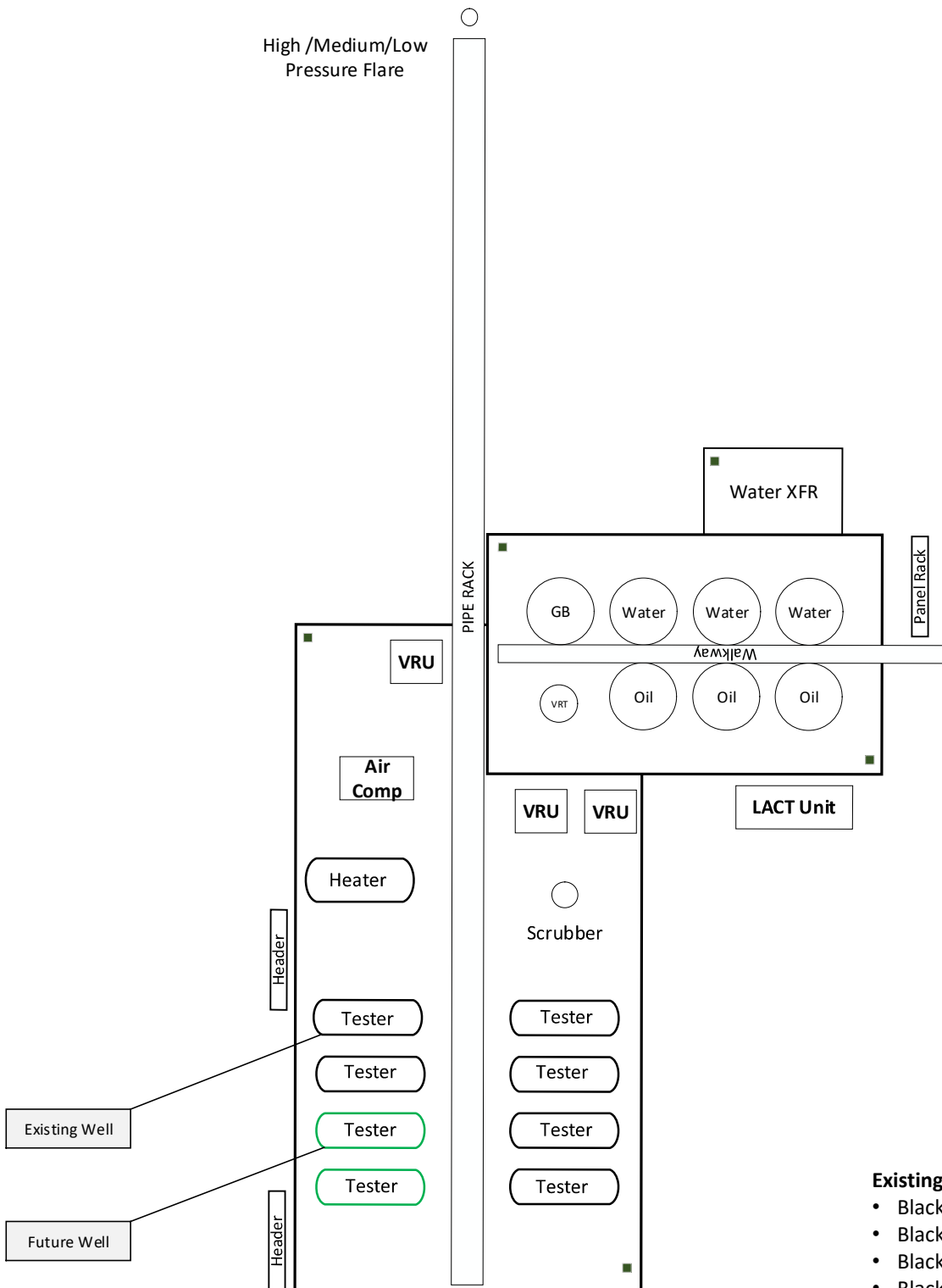
1. Well's Allocated Water Production is volume of water allocated to each well at the CTB and is calculated by:
 - a. $\text{Well's Allocated Water Production} = \text{CTB Allocated Water Production} * \text{Well's Theoretical \% of Water Production}$
 - b. $\text{CTB Allocated Water Production} = \text{Total of CTBs Water Transfer Meters} + \text{Ending Tank Inventory} - \text{Beginning Tank Inventory}$
 - c. $\text{Well's Theoretical \% of Water Production} = \text{Well's Water Meter} / (\text{sum of Well's Water Meters at CTB})$
2. CTBs Available Water to Transfer is calculated by:
 - a. $\text{CTBs available Water to Transfer} = \text{CTBs Allocated Well Production} + \text{Beginning Tank Inventory}$
3. Each Well's Available Water to Transfer is calculated by:
 - a. $\text{Well's Available Water to Transfer} = \text{Well's Allocated Well Production} + \text{Well's Beginning Tank Inventory}$
4. Each Well's Theoretical % of Water Available to Transfer is calculated by:
 - a. $\text{Well's Theoretical \% of Water Available to Transfer} = \text{Well's Available Water to Transfer} / (\text{sum of Well's Available Water to Transfer})$

5. Each Well's Allocated Water Transfer Volume is total water transfer volume allocated to each well and is calculated by:
 - a. $\text{Well's Allocated Water Transfer Volume} = \text{Well's Theoretical \% of Water Available to Transfer} * \text{Total of CTBs Water Transfer Meters}$
6. Total of CTBs Water Transfer Meters is the volume of water transferred and metered by the individual Water Transfer Meters at the CTB.
7. Beginning Tank Inventory comes from previous accounting period's allocated Ending Inventory for each well.
8. Ending Water Tank Inventory for each well is calculated by:
 - a. $\text{Well's Ending Tank Inventory} = \text{Well's Beginning Water Tank Inventory} + \text{Well's Allocated Water Production} - \text{Well's Allocated Water Transfer Volume}$

RESOURCES

Black Hawk 16/Black Cat 16 CTB
Basic Layout
3/8/2023

High /Medium/Low
Pressure Flare



Gas Sales/
Buy-Back

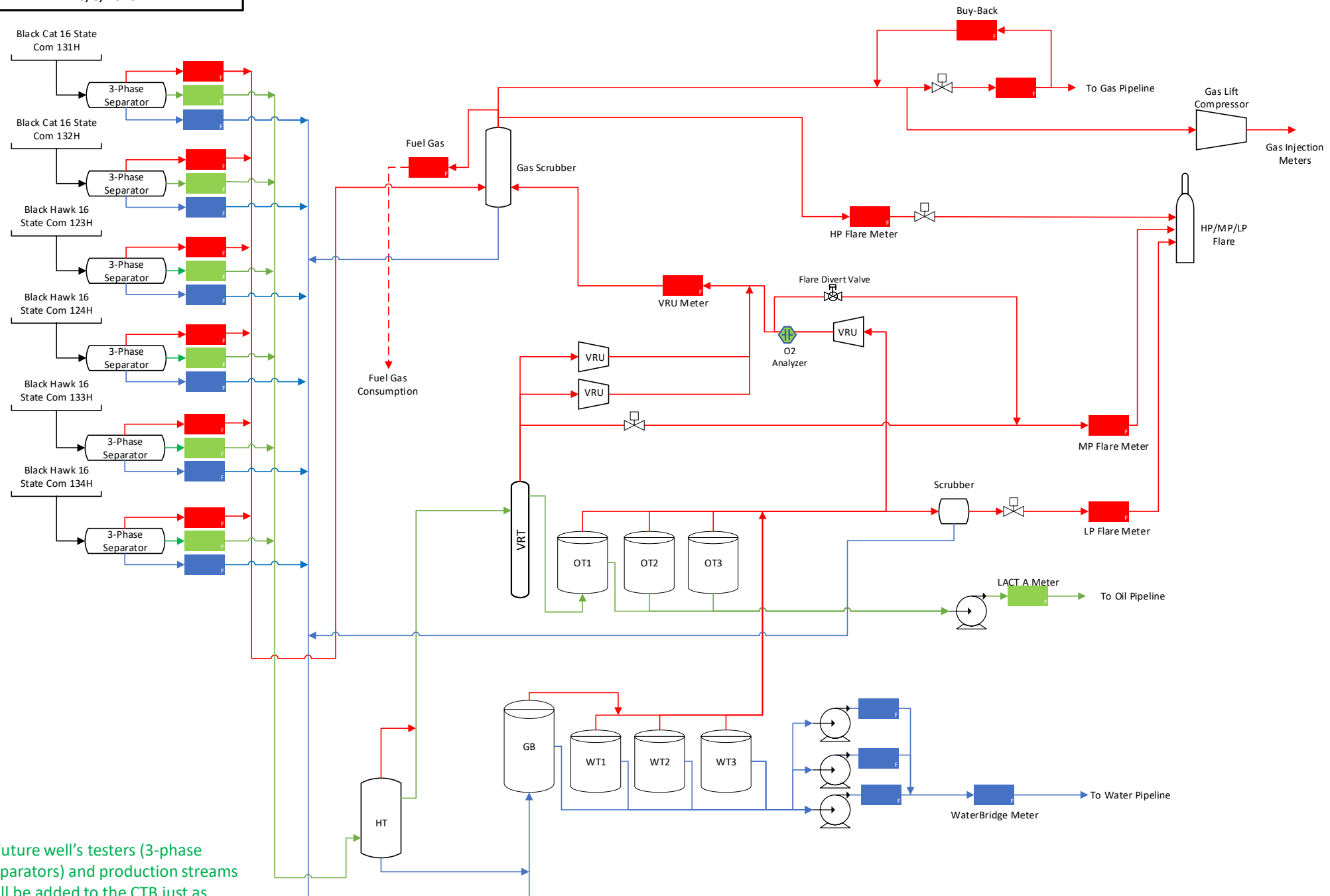
Existing Wells:

- Black Cat 16 State Com 132H
- Black Cat 16 State Com 132H
- Black Hawk 16 State Com 123H
- Black Hawk 16 State Com 124H
- Black Hawk 16 State Com 133H
- Black Hawk 16 State Com 134H

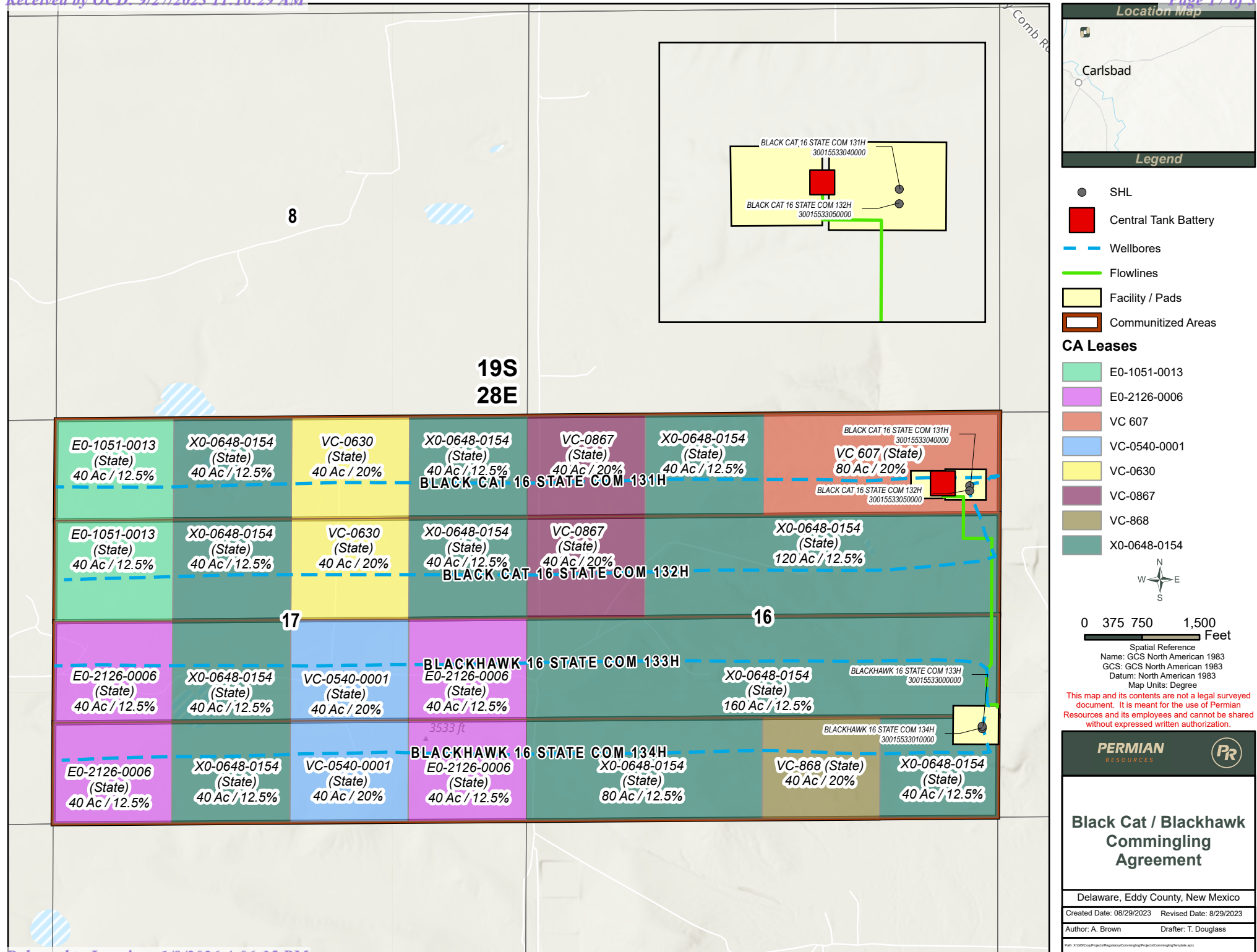
Future Wells:

- Black Cat 16 State Com 121H
- Black Cat 16 State Com 122H

PERMIAN
 RESOURCES

Black Hawk 16/Black Cat 16 CTB
 Process Flow Diagram
 3/8/2023


*Future well's testers (3-phase separators) and production streams will be added to the CTB just as existing wells are connected



Production Summary Report											
API: 30-015-53304											
BLACK CAT 16 STATE COM #131H											
Printed On: Tuesday, September 19 2023											
		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2023	[97569] WINCHESTER; BONE SPRING, WEST	Jun	2354	8792	35697	17	0	0	0	0	0
2023	[97569] WINCHESTER; BONE SPRING, WEST	Jul	25035	72532	98034	31	0	0	0	0	0

Production Summary Report											
API: 30-015-53305											
BLACK CAT 16 STATE COM #132H											
Printed On: Tuesday, September 19 2023											
		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2023	[97569] WINCHESTER; BONE SPRING, WEST	Jun	2187	7513	32878	17	0	0	0	0	0
2023	[97569] WINCHESTER; BONE SPRING, WEST	Jul	28080	85250	78417	31	0	0	0	0	0

Production Summary Report											
API: 30-015-53298											
BLACKHAWK 16 STATE COM #123H											
Printed On: Tuesday, September 19 2023											
		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2023	[97569] WINCHESTER; BONE SPRING, WEST	Jun	10225	12769	32852	19	0	0	0	0	0
2023	[97569] WINCHESTER; BONE SPRING, WEST	Jul	52752	71346	48416	31	0	0	0	0	0

Production Summary Report											
API: 30-015-53299											
BLACKHAWK 16 STATE COM #124H											
Printed On: Tuesday, September 19 2023											
		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2023	[97569] WINCHESTER; BONE SPRING, WEST	Jun	11221	13566	29235	19	0	0	0	0	0
2023	[97569] WINCHESTER; BONE SPRING, WEST	Jul	44840	56395	37950	31	0	0	0	0	0

Production Summary Report											
API: 30-015-53300											
BLACKHAWK 16 STATE COM #133H											
Printed On: Tuesday, September 19 2023											
		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2023	[97569] WINCHESTER; BONE SPRING, WEST	Jun	2961	9343	42933	19	0	0	0	0	0
2023	[97569] WINCHESTER; BONE SPRING, WEST	Jul	20732	49616	81510	31	0	0	0	0	0

Production Summary Report											
API: 30-015-53301											
BLACKHAWK 16 STATE COM #134H											
Printed On: Tuesday, September 19 2023											
		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2023	[97569] WINCHESTER; BONE SPRING, WEST	Jun	1528	3265	38041	19	0	0	0	0	0
2023	[97569] WINCHESTER; BONE SPRING, WEST	Jul	18326	41323	74762	31	0	0	0	0	0

District I
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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

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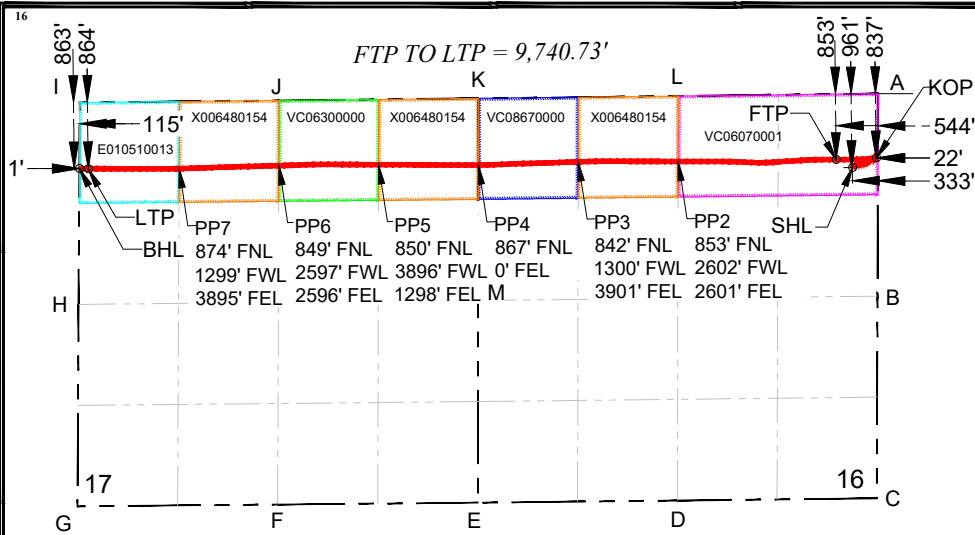
WELL LOCATION AND ACREAGE DEDICATION PLAT

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4 Property Code 333726	5 Property Name BLACK CAT 16 STATE COM	6 Well Number 131H
7 OGRID No. 372165	8 Operator Name PERMIAN RESOURCES OPERATING, LLC	9 Elevation 3522.80'

10 Surface Location									
UL or lot no. A	Section 16	Township 19-S	Range 28-E	Lot Idn	Feet from the 961'	North/South line NORTH	Feet from the 333'	East/West line EAST	County EDDY

11 Bottom Hole Location If Different From Surface									
UL or lot no. D	Section 17	Township 19-S	Range 28-E	Lot Idn	Feet from the 863'	North/South line NORTH	Feet from the 1'	East/West line WEST	County EDDY
12 Dedicated Acres 80.00	13 Joint or Infill	14 Consolidation Code	15 Order No.						

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.



SURFACE HOLE LOCATION (SHL)
NEW MEXICO EAST - NAD 83
X=590469.70 LAT.= 32.66526793° N
Y=605792.46 LONG.= 104.17367279° W
NEW MEXICO EAST - NAD 27
X=549289.99 LAT.= 32.66515122° N
Y=605730.35 LONG.= 104.17316373° W
961' FNL, 333' FEL - SECTION 16

PENETRATION POINT 4 (PP4)
NEW MEXICO EAST - NAD 83
X=585600.46 LAT.= 32.66538363° N
Y=605827.59 LONG.= 104.18949572° W
NEW MEXICO EAST - NAD 27
X=544420.75 LAT.= 32.66526709° N
Y=605765.51 LONG.= 104.18898629° W
867' FNL, 0' FEL - SECTION 17
MD = 13437.12'

KICK OFF POINT (KOP)
NEW MEXICO EAST - NAD 83
X=590781.35 LAT.= 32.66561729° N
Y=605920.03 LONG.= 104.17435941° W
NEW MEXICO EAST - NAD 27
X=549601.64 LAT.= 32.66550057° N
Y=605857.91 LONG.= 104.17215036° W
837' FNL, 22' FEL - SECTION 16
MD = 7940.00'

PENETRATION POINT 5 (PP5)
NEW MEXICO EAST - NAD 83
X=584302.86 LAT.= 32.66539968° N
Y=605831.70 LONG.= 104.19371239° W
NEW MEXICO EAST - NAD 27
X=543123.15 LAT.= 32.66528317° N
Y=605769.63 LONG.= 104.19320286° W
850' FNL, 1298' FEL - SECTION 17
MD = 14734.91'

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X=590259.02 LAT.= 32.66555889° N
Y=605898.00 LONG.= 104.17435690° W
NEW MEXICO EAST - NAD 27
X=549079.31 LAT.= 32.66544219° N
Y=605835.88 LONG.= 104.17384781° W
853' FNL, 544' FEL - SECTION 16
MD = 8775.00'

PENETRATION POINT 6 (PP6)
NEW MEXICO EAST - NAD 83
X=583004.42 LAT.= 32.66536946° N
Y=605819.02 LONG.= 104.19793187° W
NEW MEXICO EAST - NAD 27
X=541824.71 LAT.= 32.66525300° N
Y=605756.96 LONG.= 104.19742225° W
849' FNL, 2596' FEL - SECTION 17
MD = 16033.75'

PENETRATION POINT 2 (PP2)
NEW MEXICO EAST - NAD 83
X=588202.09 LAT.= 32.66549770° N
Y=605872.72 LONG.= 104.18104125° W
NEW MEXICO EAST - NAD 27
X=547022.38 LAT.= 32.66538107° N
Y=605810.62 LONG.= 104.18053201° W
853' FNL, 2601' FEL - SECTION 16
MD = 10834.44'

PENETRATION POINT 7 (PP7)
NEW MEXICO EAST - NAD 83
X=581705.66 LAT.= 32.66526745° N
Y=605778.79 LONG.= 104.20549081° W
NEW MEXICO EAST - NAD 27
X=539341.77 LAT.= 32.66515093° N
Y=605716.74 LONG.= 104.20549081° W
864' FNL, 115' FWL - SECTION 17
MD = 18518.00'

PENETRATION POINT 3 (PP3)
NEW MEXICO EAST - NAD 83
X=586900.13 LAT.= 32.66548986° N
Y=605868.03 LONG.= 104.18527211° W
NEW MEXICO EAST - NAD 27
X=545720.42 LAT.= 32.66537327° N
Y=605805.93 LONG.= 104.18476278° W
842' FNL, 1300' FWL - SECTION 16
MD = 12136.62'

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X=580521.48 LAT.= 32.66526731° N
Y=605778.79 LONG.= 104.20600061° W
NEW MEXICO EAST - NAD 27
X=539341.77 LAT.= 32.66515093° N
Y=605716.74 LONG.= 104.20549081° W
864' FNL, 115' FWL - SECTION 17
MD = 18518.00'

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X=580407.52 LAT.= 32.66526801° N
Y=605778.91 LONG.= 104.20637092° W
NEW MEXICO EAST - NAD 27
X=539227.81 LAT.= 32.66515164° N
Y=605716.86 LONG.= 104.20586111° W
863' FNL, 1' FWL - SECTION 17
MD = 18632.00'

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.

Ashley Brown 09/19/2023
Signature Date
Ashley Brown
Printed Name
ashley.brown@permianres.com
E-mail Address

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.

CHARLES E. JURICA
Date of Survey
Signature and Seal of Professional Surveyor 06/30/2023
Certificate Number

- CORNER DATA
NEW MEXICO EAST - NAD 83
A - FOUND IRON PIPE W/ BRASS CAP
N:606757.31' E:590806.24'
B - FOUND 1" IRON PIPE
N:604120.46' E:590796.45'
C - FOUND IRON PIPE W/ BRASS CAP
N:601487.49' E:590787.58'
D - FOUND IRON PIPE W/ BRASS CAP
N:601458.74' E:588190.50'
E - FOUND IRON PIPE W/ BRASS CAP
N:601430.34' E:585595.57'
F - FOUND IRON PIPE W/ BRASS CAP
N:601406.13' E:582988.92'
G - FOUND IRON PIPE W/ BRASS CAP
N:601382.22' E:580382.84'
H - FOUND IRON PIPE W/ BRASS CAP
N:604011.85' E:580396.86'
I - FOUND 2" IRON PIPE
N:606641.54' E:580411.81'
J - FOUND 1" IRON PIPE
N:606668.08' E:583007.40'
K - FOUND 2" IRON PIPE
N:606695.00' E:585602.41'
L - CALCULATED CORNER
N:606726.16' E:588204.33'
M - FOUND 1" IRON PIPE
N:604082.54' E:585596.50'

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

☒ AMENDED REPORT
AS-COMPLETED

1 API Number 30-015-53305	2 Pool Code 97569	3 Pool Name WINCHESTER; BONE SPRING, WEST
4 Property Code 333726	5 Property Name BLACK CAT 16 STATE COM	
6 Well Number 132H		
7 OGRID No. 372165	8 Operator Name PERMIAN RESOURCES OPERATING, LLC	
	9 Elevation 3522.50'	

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	19-S	28-E		1027'	NORTH	333'	EAST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	17	19-S	28-E		2070'	NORTH	98'	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320.00			

[illegible]

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 Ashley Brown Date 09/19/2023

Ashley Brown
Printed Name

ashley.brown@permianres.com
E-mail Address

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 _____ 06/30/2023

Certificate Number

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
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WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-53298	2 Pool Code 97569	3 Pool Name WINCHESTER; BONE SPRING, WEST
4 Property Code 333725	5 Property Name BLACKHAWK 16 STATE COM	
6 Well Number 123H		
7 OGRID No. 372165	8 Operator Name PERMIAN RESOURCES OPERATING, LLC	
	9 Elevation 3463.46'	

¹⁰ Surface Location

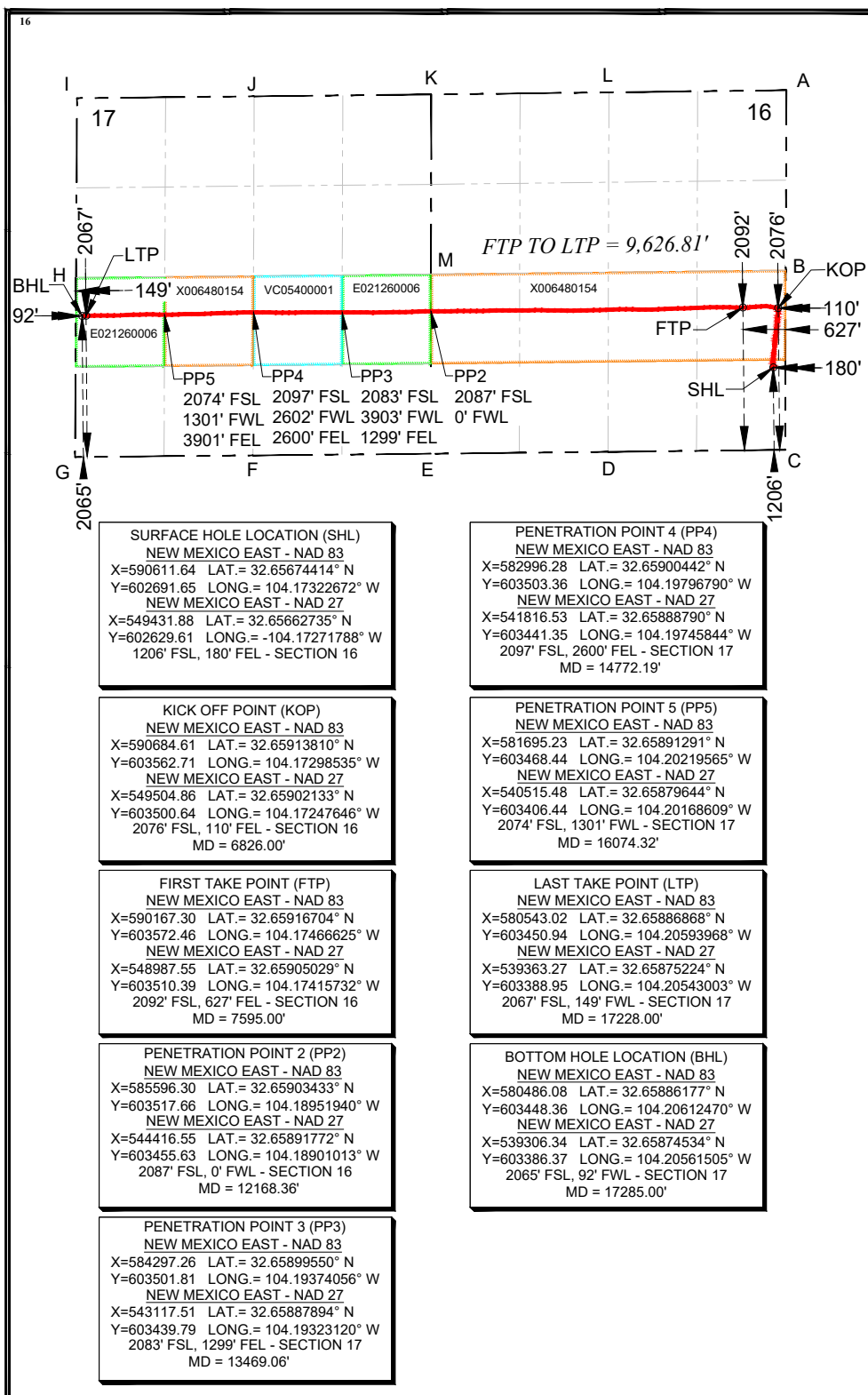
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	16	19-S	28-E		1206'	SOUTH	180'	EAST	EDDY

¹¹ 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
L	17	19-S	28-E		2065'	SOUTH	92'	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320			

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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Signature Ashley Brown Date 09/19/2023

Ashley Brown
Printed Name

ashley.brown@permianres.com
E-mail Address

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State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

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Santa Fe, NM 87505

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Revised August 1, 2011

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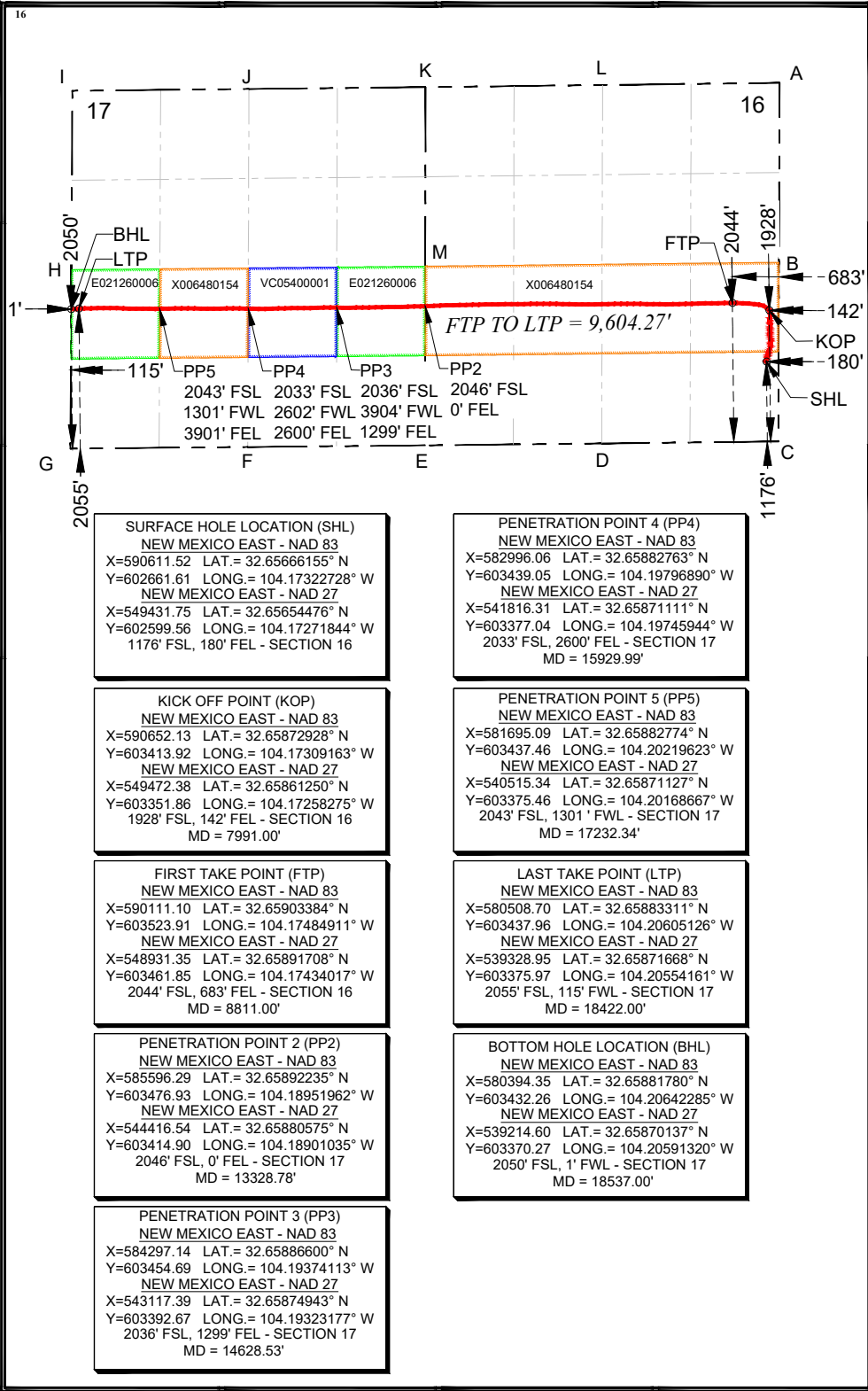
UL or lot no. P	Section 16	Township 19-S	Range 28-E	Lot Idn	Feet from the 1176'	North/South line SOUTH	Feet from the 180'	East/West line EAST	County EDDY
--------------------	---------------	------------------	---------------	---------	------------------------	---------------------------	-----------------------	------------------------	----------------

11 Bottom Hole Location If Different From Surface

UL or lot no. L	Section 17	Township 19-S	Range 28-E	Lot Idn	Feet from the 2050'	North/South line SOUTH	Feet from the 1'	East/West line WEST	County EDDY
--------------------	---------------	------------------	---------------	---------	------------------------	---------------------------	---------------------	------------------------	----------------

12 Dedicated Acres 320.00	13 Joint or Infill	14 Consolidation Code	15 Order No.
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Ashley Brown

09/19/2023

Signature

Date

Ashley Brown

Printed Name

ashley.brown@permianres.com

E-mail Address

18 SURVEYOR CERTIFICATION

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CHARLES E. JURICA

NEW MEXICO

25490

PROFESSIONAL SURVEYOR

Date of Survey

Signature and Seal of Professional Surveyor

06/30/2023

Certificate Number

CORNER DATA

NEW MEXICO EAST - NAD 83

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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

AS-COMPLETED

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-53299	2 Pool Code 97569	3 Pool Name WINCHESTER; BONE SPRING, WEST
4 Property Code 333725	5 Property Name BLACKHAWK 16 STATE COM	6 Well Number 124H
7 OGRID No. 372165	8 Operator Name PERMIAN RESOURCES OPERATING, LLC	9 Elevation 3462.45'

10 Surface Location

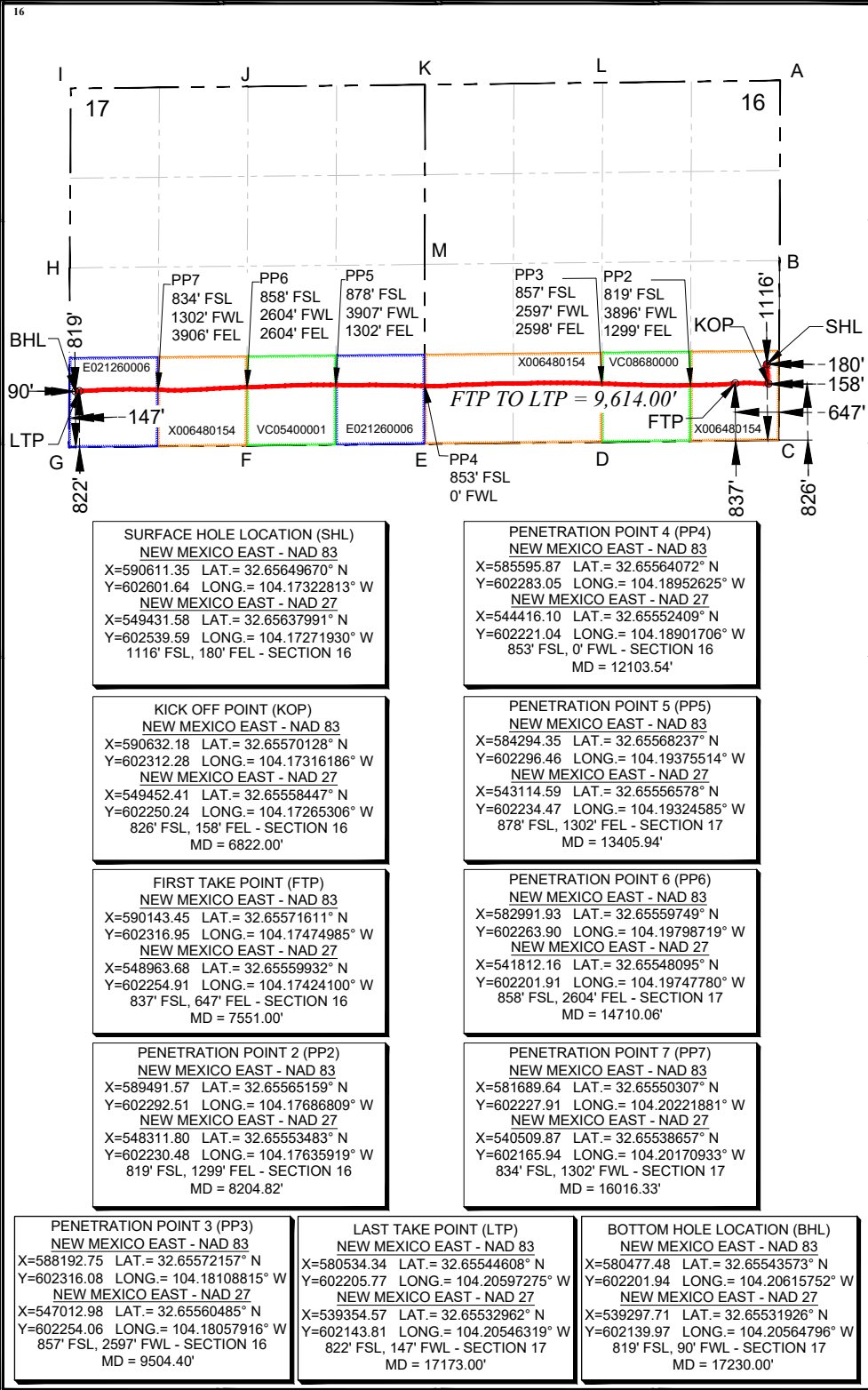
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	16	19-S	28-E		1116'	SOUTH	180'	EAST	EDDY

11 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
M	17	19-S	28-E		819'	SOUTH	90'	WEST	EDDY

12 Dedicated Acres 320.00	13 Joint or Infill	14 Consolidation Code	15 Order No.
------------------------------	--------------------	-----------------------	--------------

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.

Ashley Brown

09/19/2023

Ashley Brown

Printed Name

ashley.brown@permianres.com

E-mail Address

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.

CHARLES E. JURICA

NEW MEXICO

25490

PROFESSIONAL SURVEYOR

Date of Survey

Signature and Seal of Professional Surveyor

06/30/2023

Certificate Number

CORNER DATA

NEW MEXICO EAST - NAD 83

A - FOUND IRON PIPE W/ BRASS CAP
N:606757.31' E:590806.24'

B - FOUND 1" IRON PIPE
N:604120.46' E:590796.45'

C - FOUND IRON PIPE W/ BRASS CAP
N:601487.49' E:590787.58'

D - FOUND IRON PIPE W/ BRASS CAP
N:601458.74' E:588190.50'

E - FOUND IRON PIPE W/ BRASS CAP
N:601430.34' E:585595.57'

F - FOUND IRON PIPE W/ BRASS CAP
N:601406.13' E:582988.92'

G - FOUND IRON PIPE W/ BRASS CAP
N:601382.22' E:580382.84'

H - FOUND IRON PIPE W/ BRASS CAP
N:604011.85' E:580396.86'

I - FOUND 2" IRON PIPE
N:606641.54' E:580411.81'

J - FOUND 1" IRON PIPE
N:606668.08' E:583007.40'

K - FOUND 2" IRON PIPE
N:606695.00' E:585602.41'

L - CALCULATED CORNER
N:606726.16' E:588204.33'

M - FOUND 1" IRON PIPE
N:604062.54' E:585596.50'

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
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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
AS-COMPLETED

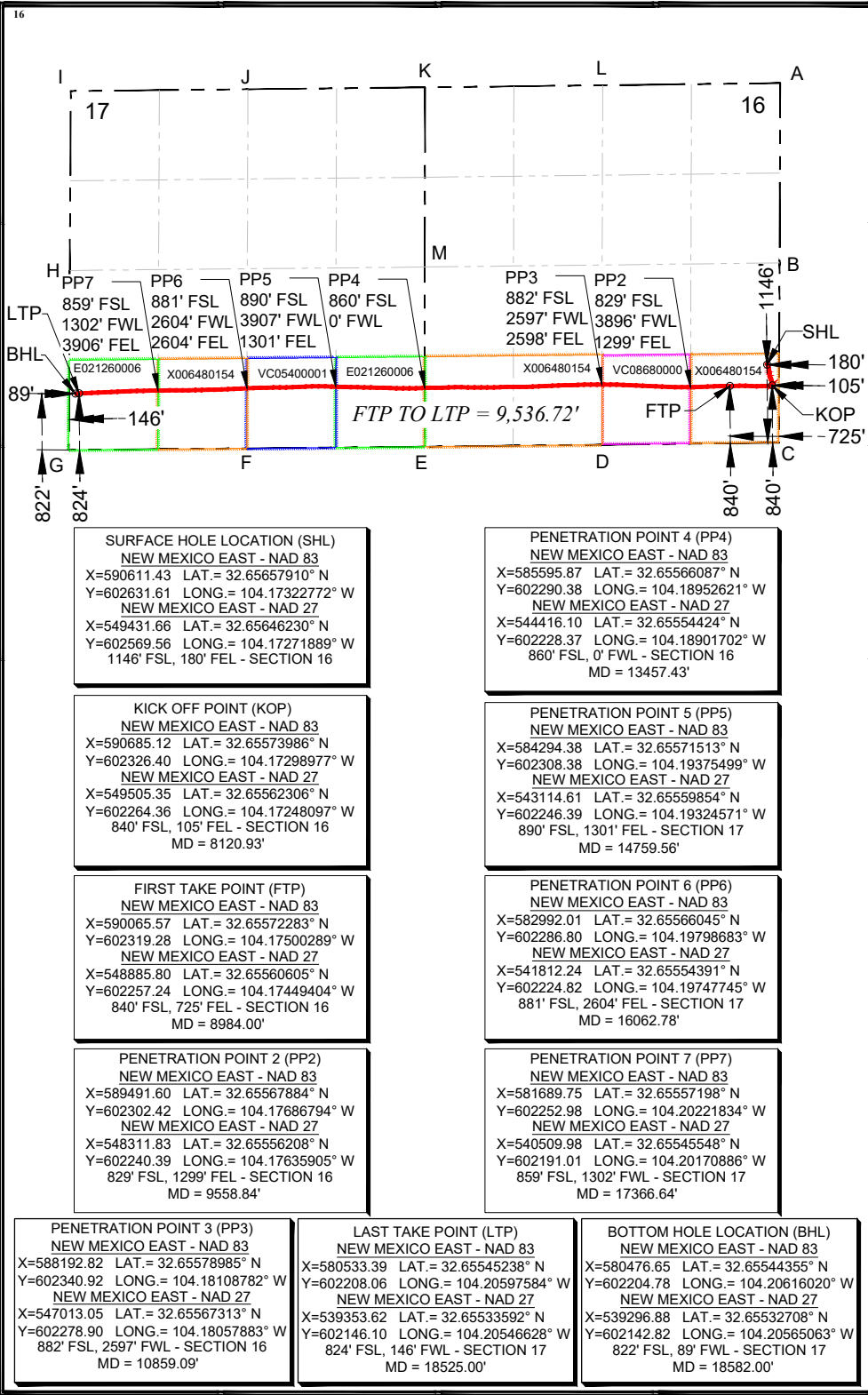
WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-53301	2 Pool Code 97569	3 Pool Name WINCHESTER; BONE SPRING, WEST
4 Property Code 333725	5 Property Name BLACKHAWK 16 STATE COM	6 Well Number 134H
7 OGRID No. 372165	8 Operator Name PERMIAN RESOURCES OPERATING, LLC	9 Elevation 3462.51'

10 Surface Location									
UL or lot no. P	Section 16	Township 19-S	Range 28-E	Lot Idn	Feet from the 1146'	North/South line SOUTH	Feet from the 180'	East/West line EAST	County EDDY

11 Bottom Hole Location If Different From Surface									
UL or lot no. M	Section 17	Township 19-S	Range 28-E	Lot Idn	Feet from the 822'	North/South line SOUTH	Feet from the 89'	East/West line WEST	County EDDY
12 Dedicated Acres 320.00	13 Joint or Infill	14 Consolidation Code	15 Order No.						

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: Ashley Brown Date: 09/19/2023

Printed Name: Ashley Brown

E-mail Address: ashley.brown@permianres.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.

Date of Survey: 06/30/2023

Signature and Seal of Professional Surveyor: Charles E. Jurica

Certificate Number: 25490

CORNER DATA
NEW MEXICO EAST - NAD 83
A - FOUND IRON PIPE W/ BRASS CAP N:606757.31' E:590806.24'
B - FOUND 1" IRON PIPE N:604120.46' E:590796.45'
C - FOUND IRON PIPE W/ BRASS CAP N:601487.49' E:590787.58'
D - FOUND IRON PIPE W/ BRASS CAP N:601458.74' E:588190.50'
E - FOUND IRON PIPE W/ BRASS CAP N:601430.34' E:585595.57'
F - FOUND IRON PIPE W/ BRASS CAP N:601406.13' E:582988.92'
G - FOUND IRON PIPE W/ BRASS CAP N:601382.22' E:580382.84'
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J - FOUND 1" IRON PIPE N:606668.08' E:583007.40'
K - FOUND 2" IRON PIPE N:606695.00' E:585602.41'
L - CALCULATED CORNER N:606726.16' E:588204.33'
M - FOUND 1" IRON PIPE N:604062.54' E:585596.50'

Name	Address	To City	To State	To ZIP	Mail Class	Tracking No
State of New Mexico Commissioner of Public Lands	P.O. Box 1148	Santa Fe	NM	87504-1148	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6762 67
Lodge Exploration Company, LLC	202 W. Wall Street, Suite 920	Midland	TX	79701	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6762 05
Thomas M. Beall	P.O. Box 3098	Midland	TX	79702	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6762 98
Gahr Ranch and Investments Partnership, Ltd.	P.O. Box 1889	Midland	TX	79702	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6762 43
V-F Petroleum Inc.	P.O. Box 1889	Midland	TX	79702	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6762 81
Contango Resources, Inc.	717 Texas Avenue, Suite 2900	Houston	TX	77002	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6711 49
Marathon Oil Permian LLC	990 Town and Country Blvd.	Houston	TX	77024	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6762 36
Marathon Oil Company	990 Town and Country Blvd.	Houston	TX	77024	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6762 74
Northern Oil & Gas	4349 Baker Road, Ste 399	Minnetonka	MN	55343	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6768 16
EOG Resources, Inc.	5509 Champions Drive	Midland	TX	79706	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6768 54
Petrogulf Corporation	600 Grant Street, Suite 850	Denver	CO	80203	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6768 61
Santo Legado, LLC	P.O. Box 1020	Artesia	NM	88211-1020	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6768 92
Sharbro Energy, LLC	P.O. Box 840	Artesia	NM	88211-0840	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6768 30
MRC Delaware Resources, LLC	5400 Lyndon B. Johnson Freeway, Suite 1500	Dallas	TX	75240	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6768 78
Jalapeno Corporation	P.O. Box 1608	Albuquerque	NM	87103	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6767 17
WPX Energy Permian, LLC	3500 One Williams Center	Tulsa	OK	74172-1608	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6767 62
V-F Petroleum Inc.	P.O. Box 1889	Midland	TX	79702	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6767 24
Contango Resources, Inc.	717 Texas Avenue, Suite 2900	Houston	TX	77002	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6767 00
ZPZ Delaware I LLC	2000 Post Oak Blvd., Suite 100	Houston	TX	77056-4400	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6767 93
Ridge Runner Resources Operating, LLC	1004 N. Big Spring Street, Suite 325	Midland	TX	79701	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6767 48
Petrogulf Corporation	600 Grant Street, Suite 850	Denver	CO	80203	Certified W/ Return Receipt (Signature)	9407 1118 9876 5413 6767 86

Affidavit of Publication

No. 26640

I, the undersigned, being a Notary Public, do hereby certify that the foregoing is a true and correct copy of the original as the same was presented to me for recording.

Notary Public, State of New Mexico

My Commission Expires 05-12-2027

Latisha Romine

Notary Public, Eddy County, New Mexico

Legal Ad

published in a regular and entire issue of the said

Artesia Daily Press, a daily newspaper duly qualified

for that purpose within the meaning of Chapter 167 of

the 1937 Session Laws of the state of New Mexico for

day as follows:

	Consecutive weeks/day on the same
First Publication	September 7, 2023
Second Publication	
Third Publication	
Fourth Publication	
Fifth Publication	
Sixth Publication	
Seventh Publication	
Subscribed and sworn before me this	September 2023
7th day of	September 2023

LATISHA ROMINE
Notary Public, State of New Mexico
Commission No. 1076338
My Commission Expires
05-12-2027

Copy of Publication:

Legal Notice

Permian Resources Operating, LLC, OGRID No. 372165 ("Permian Resources") is applying to surface commingle oil and gas production from the spacing units comprising all of Sections 16 and 17, Township 19 South, Range 28 East, NMPM, Eddy County, New Mexico. Permian Resources seeks authorization for lease commingling at the Blackhawk/Black Cat 16 State Com Central Tank Battery of production from the Winchester; Bone Spring, West (97569) pool from all existing and future wells drilled in the following spacing units: (a) The 320-acre, more or less, spacing unit underlying the N/2N/2 of Section 16 and Section 17, T19S-R28E, all in Eddy County, New Mexico. The spacing unit is currently dedicated to the Black Cat 16 State Com #131H well (API No. 30-015-53304); (b) The 320-acre, more or less, spacing unit underlying the S/2N/2 of Section 16 and Section 17, T19S-R28E, all in Eddy County, New Mexico. The spacing unit is currently dedicated to the Black Cat 16 State Com #132H well (API No. 30-015-53305); (c) The 320-acre, more or less, spacing unit underlying the N/2S/2 of Section 16 and Section 17, T19S-R28E, all in Eddy County, New Mexico. The spacing unit is currently dedicated to the Black Hawk 16 State Com #133H well (API No. 30-015-53300) and Black Hawk 16 State Com #123H well (API No. 30-015-53298); (d) The 320-acre, more or less, spacing unit underlying the S/2S/2 of Section 16 and Section 17, T19S-R28E, all in Eddy County, New Mexico. The spacing unit is currently dedicated to the Black Hawk 16 State Com #134H well (API No. 30-015-53301) and Black Hawk 16 State Com #124H (API No. 30-015-53299); and (e) Pursuant to 19.15.12.10.C(4)(g), Permian Resources requests the option to include additional pools or leases within the defined parameters set forth in the order for future additions. Any objection to this application must be filed in writing within twenty days from date of publication with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505. If no objection is received within this twenty-day period, this application may be approved administratively by the Division. If you have any questions about this application, please contact Ashley Brown, Permian Resources Operating, LLC, Phone Number (432) 400-2972 or via email at ashley.brown@permianres.com.

Published in the Artesia Daily Press, Artesia, N.M., Sept. 7, 2023 Legal No. 26640.

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

APPLICATION FOR SURFACE COMMINGLING

**SUBMITTED BY PERMIAN RESOURCES OPERATING,
LLC**

ORDER NO. CTB-1183

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. Permian Resources Operating, LLC ("Applicant") submitted a complete application to surface commingle the oil and gas production from the pools and leases described in Exhibit A ("Application").
2. Applicant included a complete list of the wells currently dedicated to each pool and lease.
3. Applicant proposed a method to allocate the oil and gas production to the pools, leases, and wells to be commingled.
4. Applicant in the notice for the Application stated that it sought authorization to prospectively include additional pools and leases in accordance with 19.15.12.10(C)(4)(g) NMAC.
5. Applicant stated that it sought authorization to surface commingle and off-lease measure, as applicable, oil and gas production from wells which have not yet been approved to be drilled, but will produce from a pool and lease as described in Exhibit A.
6. 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.
7. 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

8. 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.
9. 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.

10. 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.
11. 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.
12. 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.
13. Applicant satisfied the notice requirements for the subsequent addition of pools, leases, and wells in the notice for the Application, in accordance with 19.15.12.10(C)(4)(g) NMAC. Subsequent additions of pools, leases, and wells within Applicant's defined parameters, as modified herein, will not, in reasonable probability, reduce the commingled production's value or otherwise adversely affect the interest owners in the production to be added.
14. 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 and leases as described in Exhibit A.

Applicant is authorized to surface commingle oil and gas production from the wells included in Exhibit A provided that they produce from a pool and lease described in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease, as applicable, from the pools and leases as described in Exhibit A at a central tank battery or gas title transfer meter described in Exhibit A.

Applicant is authorized to surface commingle oil and gas production from wells not included in Exhibit A but that produce from a pool and lease as described in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease, as applicable, from wells not included in Exhibit A but that produce from a pool and lease as described in Exhibit A at a central tank battery or gas title transfer meter described in Exhibit A.

2. The allocation of oil and gas production to wells not included in Exhibit A but that produce from a pool and lease as described in Exhibit A shall be determined in the same manner as to wells identified in Exhibit A that produce from that pool and lease, provided that if more than one allocation method is being used or if there are no wells identified in Exhibit A that produce from the pool and lease, then allocation of oil and gas production to each well not included in Exhibit A shall be determined by OCD prior to commingling production from it with the production from another well.

3. The oil and gas production for each well identified in Exhibit A shall be separated and metered prior to commingling it with production from another well.
4. If Applicant recovers oil or gas production from produced water prior to Applicant injecting it or transferring custody of it, then that production shall be allocated to each well in the proportion that it contributed to the total produced water.
5. If Applicant recovers gas production using a vapor recovery unit (VRU), then that gas production shall be allocated to each well in the proportion that it contributed to the total oil production.
6. 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.
7. 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.
8. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10(C)(2) NMAC.
9. Applicant shall install and utilize vessels that are appropriately designed to ensure sufficient separation of the fluids and to accurately measure oil and gas production.
10. 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.
11. Applicant may submit an application to amend this Order to add pools, leases, and subsequently drilled wells with spacing units adjacent to or within the tracts commingled by this Order by submitting a Form C-107-B in accordance with 19.15.12.10(C)(4)(g) NMAC, provided the pools, leases, and subsequently drilled wells are within the identified parameters included in the Application.
12. If a well is not included in Exhibit A but produces from a pool and lease as described in Exhibit A, then Applicant shall submit Forms C-102 and C-103 to the OCD Engineering Bureau after the well has been approved to be drilled and prior to off-lease measuring or commingling oil or gas production from it with the production from another well. The Form

C-103 shall reference this Order and identify the well, proposed method to determine the allocation of oil and gas production to it, and the location(s) that commingling of its production will occur.

13. Applicant shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.
14. 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).
15. 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**



**ALBERT C. S. CHANG
DIRECTOR**

DATE: 1/6/2026

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: **CTB-1183**

Operator: **Permian Resources Operating, LLC (372165)**

Central Tank Battery: **Black Hawk 16/Black Cat 16 Central Tank Battery**

Central Tank Battery Location: **UL A, Section 16, Township 19 South, Range 28 East**

Gas Title Transfer Meter Location:

Pools

Pool Name	Pool Code
WINCHESTER; BONE SPRING, WEST	97569

Leases as defined in 19.15.12.7(C) NMAC

Lease	UL or Q/Q	S-T-R
CA Bone Spring SLO 204667 PUN 1400575	S2S2	16-19S-28E
	S2S2	17-19S-28E
CA Bone Spring SLO 204672 PUN 1400706	S2N2	16-19S-28E
	S2N2	17-19S-28E
CA Bone Spring SLO 204673 PUN 1400561	N2S2	16-19S-28E
	N2S2	17-19S-28E
CA Bone Spring SLO 204904 PUN 1403840	N2N2	16-19S-28E
	N2N2	17-19S-28E

Wells

Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-015-53304	BLACK CAT 16 STATE COM #131H	N2N2	16-19S-28E	97569
		N2N2	17-19S-28E	
30-015-53305	BLACK CAT 16 STATE COM #132H	S2N2	16-19S-28E	97569
		S2N2	17-19S-28E	
30-015-53298	BLACKHAWK 16 STATE COM #123H	N2S2	16-19S-28E	97569
		N2S2	17-19S-28E	
30-015-53299	BLACKHAWK 16 STATE COM #124H	S2S2	16-19S-28E	97569
		S2S2	17-19S-28E	
30-015-53300	BLACKHAWK 16 STATE COM #133H	N2S2	16-19S-28E	97569
		N2S2	17-19S-28E	
30-015-53301	BLACKHAWK 16 STATE COM #134H	S2S2	16-19S-28E	97569
		S2S2	17-19S-28E	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 269506

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 269506
	Action Type: [C-107] Surface Commingle or Off-Lease (C-107B)

CONDITIONS

Created By	Condition	Condition Date
sarah.clelland	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 email us at OCD.Engineer@emnrd.nm.gov .	1/8/2026