Santa Fe Main Office
Phone: (505) 476-3441
General Information
Phone: (505) 629-6116

Online Phone Directory Visit:
https://www.emnrd.nm.gov/ocd/contact-us/

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.
30-015-55837

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
OCOTILLO STATE COM

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number 133H

2. Name of Operator
Permian Resource Operating LLC

9. OGRID Number 372165

3. Address of Operator
300 N. Marienfeld Ste 1000, Midland, TX 79701

10. Pool name or Wildcat [98056]
WC-015 G-04 S232628M;BONE SPRING

4. Well Location
Unit Letter____P_____:__325_____feet from the __South_____ line and __1234_____feet from the _East_____line
Section 6 Township 23S Range 26E NMPM County Eddy

Q

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3411

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☒	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Permian Resources Operating, LLC respectfully submits the below APD change: Revise Surface and Intermediate CSG set depth, cement and mud circulation changes. API# 30-015-55837; Well Name: Ocotillo State Com 133H

17.5" **Surface** Casing string Set Depth:
From: 300'
To: 450'
Cement Changes:
From: 190sx Class C, 1.88 Yelid Lead, 60sx Class C 1.34 Yield Tail
To: 280sx Clas C 1.88 Yield Lead, 80sx Class C 1.34 Yield Tail

12.25" **Intermediate** Casing string Set Depth:
From: 6291'
To: 1375'
Cement Changes:
From: 1740sx Class C, 1.88 Yelid Lead, 270sx Class C 1.34 Yield Tail
To: 120sx Class C, 1.88 Yield Lead, 330sx Class C 1.34 Yield Tail

No Production Casing Change

Top of the Capitan Reef is @ 1275'
Additional cement details and updated mud program are included with the attached full drilling program.

Spud Date: Rig Release Date:

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

SIGNATURE Cassie Evans TITLE: Regulatory Supervisor DATE 12/24/24

Type or print name Cassie Evans E-mail address: Cassie.Evans@permianres.com PHONE: 432-313-1732

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

C-102	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
Submit Electronically Via OCD Permitting		Submittal Type: ☑ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-55837	98056	WC-015 G-04 S232628M;BONE SPRING

Property Code	Property Name	Well Number
336568	OCOTILLO STATE COM	133H

OGRID No.	Operator Name	Ground Level Elevation
372165	PERMIAN RESOURCES OPERATING, LLC	3,411.19'

Surface Owner: ☑ State ☐ Fee ☐ Tribal ☐ Federal | Mineral Owner: ☑ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	6	23S	26E		325' FSL	1,234' FEL	32.327159°	-104.328355°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	31	22S	26E		100' FNL	1,650' FEL	32.355473°	-104.329239°	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640.31	Defining			

Order Numbers. | Well setbacks are under Common Ownership: ☐Yes ☐No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	6	23S	26E		325' FSL	1,234' FEL	32.327159°	-104.328355°	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	6	23S	26E		100' FSL	1,650' FEL	32.326531°	-104.329761°	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	31	22S	26E		100' FNL	1,650' FEL	32.355473°	-104.329239°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☐ Vertical	Ground Floor Elevation:

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Signature: Cassie Evans Date: 12/25/24

Printed Name: Cassie Evans

Email Address: Cassie.Evans@permianres.com

SURVEYOR CERTIFICATIONS

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.

NICHOLAS COLE PHIPPS P.S. 29796
COOSA CONSULTING CORPORATION
PO BOX 1583, MIDLAND, TEXAS 79701

NICHOLAS COLE PHIPPS NEW MEXICO 29796 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

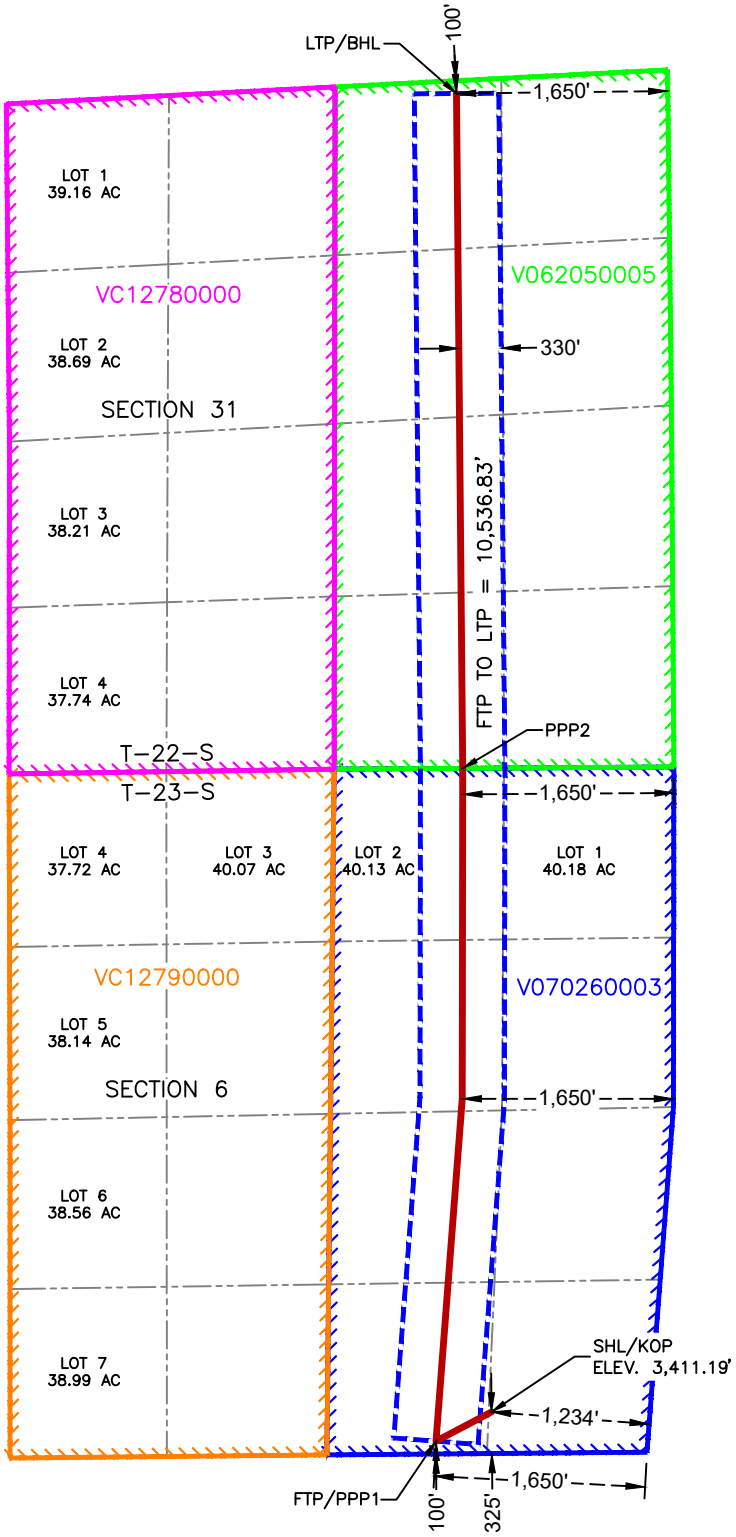
Certificate Number	Date of Survey
12177	10/21/2024

Note: 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.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



SURFACE HOLE LOCATION
& KICK-OFF POINT
325' FSL & 1,234' FEL
ELEV. = 3,411.19'

NAD 83 X = 542,875.32'
NAD 83 Y = 482,752.59'
NAD 83 LAT = 32.327159°
NAD 83 LONG = -104.328355°
NAD 27 X = 501,693.95'
NAD 27 Y = 482,694.26'
NAD 27 LAT = 32.327042°
NAD 27 LONG = -104.327849°

FIRST TAKE POINT &
PENETRATION POINT 1
100' FSL & 1,650' FEL

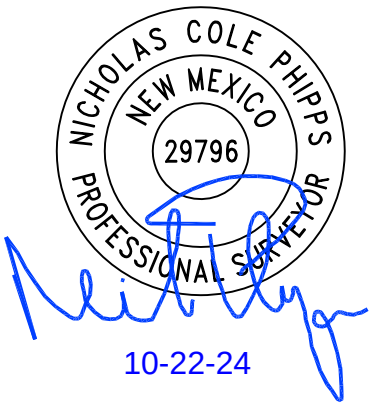
NAD 83 X = 542,440.82'
NAD 83 Y = 482,524.18'
NAD 83 LAT = 32.326531°
NAD 83 LONG = -104.329761°
NAD 27 X = 501,259.45'
NAD 27 Y = 482,465.87'
NAD 27 LAT = 32.326415°
NAD 27 LONG = -104.329256°

PENETRATION POINT 2
0' FSL & 1,650' FEL

NAD 83 X = 542,649.53'
NAD 83 Y = 487,780.80'
NAD 83 LAT = 32.340981°
NAD 83 LONG = -104.329085°
NAD 27 X = 501,468.28'
NAD 27 Y = 487,722.34'
NAD 27 LAT = 32.340864°
NAD 27 LONG = -104.328579°

LAST TAKE POINT &
BOTTOM HOLE LOCATION
100' FNL & 1,650' FEL

NAD 83 X = 542,601.75'
NAD 83 Y = 493,052.92'
NAD 83 LAT = 32.355473°
NAD 83 LONG = -104.329239°
NAD 27 X = 501,420.62'
NAD 27 Y = 492,994.30'
NAD 27 LAT = 32.355357°
NAD 27 LONG = -104.328733°



Permian Resources - Ocotillo State Com 133H

1. Geologic Formations

Formation	Elevation	TVD	Target
Rustler	2991	450	No
Capitan	2166	1275	No
Cherry Canyon	1055	2386	No
Brushy Canyon	7	3434	No
Bone Spring Lime	-1704	5145	No
1st Bone Spring Sand	-2290	5731	No
2nd Bone Spring Sand	-2689	6130	No
3rd Bone Spring Sand	-4625	8066	No
Wolfcamp	-5028	8469	Yes

2. Blowout Prevention

BOP installed and tested before drilling	Size?	Min. Required WP	Type	x	Tested to:
12.25	13-5/8"	5M	Annular	x	2500 psi
			Blind Ram	x	5000 psi
			Pipe Ram	x	
			Double Ram		
			Other*		
8.75	13-5/8"	5M	Annular	x	2500 psi
			Blind Ram	x	5000 psi
			Pipe Ram	x	
			Double Ram		
			Other*		

Equipment: BOPE will meet all requirements for above listed system per 43 CFR 3172. BOPE with working pressure ratings in excess of anticipated maximum surface pressure will be utilized for well control from drill out of surface casing to TMD. The system may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all of the components installed will be functional, tested, and will meet all requirements per 43 CFR 3172. The wellhead will be a multibowl speed head allowing for hangoff of intermediate casing of the surface x intermedicate annulus without breaking the connection between the BOP & wellhead. A variance is requested to utilize a flexible choke line (flexhose) from the BOP to choke manifold.

Requesting Variance? YES
Variance request: Multibowl Wellhead, Flexhose, Breaktesting, Offline Cementing Variances. Attachments in Section 8.
Testing Procedure: Operator requests to ONLY test broken pressure seals per API Standard 53 and the attachments in Section 8. The BOP test shall be performed before drilling out of the surface casing shoe and will occur at a minimum: a. when initially installed, b. whenever any seal subject to test pressure is broken, c. following related repairs, d. at 21-day intervals. Testing of the ram type preventer(s) and annual type preventer(s) shall be tested per 43 CFR 3172. The BOPE configuration, choke manifold layout, and accumulator system will be in compliance with 43 CFR 3172. Bleed lines will discharge 100' from wellhead in non-H2S scenarios and 150' from wellhead in H2S scenarios.

Choke Diagram Attachemnt: 5M Choke Manifold
BOP Diagram Attachment: BOP Schematic

3. Casing

String	Hole Size	Casing Size	Top	Bottom	Top TVD	Bottom TVD	Length	Grade	Weight	Connection	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
Surface	17.5	13.375	0	450	0	450	450	J55	54.5	BTC	5.08	###	Dry	7.30	Dry	6.85
Intermediate	12.25	9.625	0	1375	0	1375	1375	J55	40	BTC	2.79	1.63	Dry	4.61	Dry	4.06
Production	8.75	5.5	0	8748	0	8440	8748	P110RY	17	Rattler	2.56	2.67	Dry	2.37	Dry	2.37
Production	8.75	5.5	8748	18854	8440	8440	10106	P110RY	17	Rattler	2.56	2.67	Dry	2.37	Dry	2.37
									BLM Min Safety Factor		1.125	1		1.6		1.6

Non API casing spec sheets and casing design assumptions attached.

4. Cement

String	Lead/Tail	Top MD	Bottom MD	Quanity (sx)	Yield	Density	Cu Ft	Excess %	Cement Type	Additives
Surface	lead	0	360	280	1.88	12.9	510	100%	Class C	EconoCem-HLC + 5% Salt + 5% Kol-Seal
Surface	Tail	360	450	80	1.34	14.8	100	50%	Class C	Accelerator
Intermediate	Lead	0	450	120	1.88	12.9	220	50%	Class C	EconoCem-HLC + 5% Salt + 5% Kol-Seal
Intermediate	Tail	450	1375	330	1.34	14.8	440	50%	Class C	Retarder
Production	Lead	875	5036	600	2.41	11.5	1430	40%	Class H	POZ, Extender, Fluid Loss, Dispersant, Retarder
Production	Tail	5036	18854	2530	1.73	12.5	4370	25%	Class H	POZ, Extender, Fluid Loss, Dispersant, Retarder

5. Circulating Medium

Mud System Type: Closed
Will an air or gas system be used: No
Describe what will be on location to control well or mitigate oter conditions: Sufficient quantities of mud materials will be on the well site at all times for the purpose of assuring well control and maintaining wellbore integrity. Surface interval will employ fresh water mud. The intermediate hole will utilize a saturated brine fluid to inhibit salt washout. The production hole will employ brine based and oil base fluid to inhibit formation reactivity and of the appropriate density to maintain well control.

Describe the mud monitoring system utilized: Centrifuge separation system. Open tank monitoring with EDR will be used for drilling fluids and return volumes. Open tank monitoring will be used for cement and cuttings return volumes. Mud properties will be monitored at least every 24 hours using industry accepted mud check practices.

Cuttings Volume: 8810 Cu Ft

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight	Max Weight
0	450	Fresh Water	8.6	9.5
450	1375	Fresh Water	8.6	9.5
1375	18854	OBM	9	10.5

6. Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:
Will utilize MWD/LWD from intermediate hole to TD of the well.
List of open and cased hole logs run in the well:
DIRECTIONAL SURVEY
Coring operation description for the well:
N/A

7. Pressure

Anticipated Bottom Hole Pressure	4610	psi
Anticipated Surface Pressure	2751	psi
Anticipated Bottom Hole Temperature	141	°F
Anticipated Abnormal pressure, temp, or geo hazards	No	

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

CONDITIONS

Action 415041

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 415041
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	1/21/2025