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State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

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

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.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		WELL API NO. 30-015-54229
2. Name of Operator Permian Resources Operating LLC		5. Indicate Type of Lease STATE ☒ FEE ☐
3. Address of Operator 300 N Marienfield St, Ste 1000, Midland, TX 79701		6. State Oil & Gas Lease No.
4. Well Location Unit Letter <u> </u> N <u> </u> : <u> </u> 650 <u> </u> feet from the <u> </u> South <u> </u> line and <u> </u> 1430 <u> </u> feet from the <u> </u> West <u> </u> line Section <u> </u> 27 <u> </u> Township <u> </u> 22S <u> </u> Range <u> </u> 35E <u> </u> NMPM <u> </u> County <u> </u> Lea <u> </u>		7. Lease Name or Unit Agreement Name Bridge State Unit 27
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3507'		8. Well Number 501H
		9. OGRID Number 372165
		10. Pool name or Wildcat (52766) Rock Lake; Bone Spring

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 requests permission to make the following changes to the original APD: SHL Change, Total Depth (TVD/MD).

SHL Change:

From: 560' FSL, 1581' FWL, N-Sec 27, T22S, R35E

To: 650' FSL, 985' FWL, N-Sec 27, T22S, R35E

FTP Change:

No Change

LTP Change:

No Change

BHL Change:

No Change

Change TD/MD From: 10320' TVD, 20,605' MD

Change TD/MD To: 10320' TVD, 20,586' MD

Updated Drilling Program reflecting casing / cement / mud circulation depth changes attached with the inclusion of a bradenhead squeeze variance request on the 2nd Intermediate string.

Attachments:

1. Updated C102
2. Drilling Program (3-String Capitan Reef Design. R-111-Q Not Required)
3. Directional Plan

Spud Date:

6/20/25

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 4/22/25

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

WELL LOCATION INFORMATION

API Number 30-025-54229	Pool Code 52766	Pool Name Rock Lane; Bone Spring
Property Code 336859	Property Name BRIDGE STATE UNIT 27	Well Number 501H
OGRID No. 372165	Operator Name PERMIAN RESOURCES OPERATING, LLC	Ground Level Elevation 3,507'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL N	Section 27	Township 22S	Range 35E	Lot	Ft. from N/S 650' FSL	Ft. from E/W 1,430' FWL	Latitude 32.357256°	Longitude -103.359349°	County LEA
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Bottom Hole Location

UL D	Section 22	Township 22S	Range 35E	Lot	Ft. from N/S 100' FNL	Ft. from E/W 985' FWL	Latitude 32.384225°	Longitude -103.360779°	County LEA
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Dedicated Acres 320	Infill or Defining Well Defining	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL N	Section 27	Township 22S	Range 35E	Lot	Ft. from N/S 651' FSL	Ft. from E/W 1,430' FWL	Latitude 32.357256°	Longitude -103.359349°	County LEA
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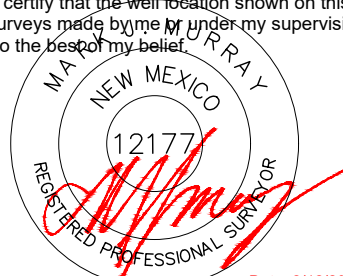
First Take Point (FTP)

UL M	Section 27	Township 22S	Range 35E	Lot	Ft. from N/S 100' FSL	Ft. from E/W 982' FWL	Latitude 32.355745°	Longitude -103.360802°	County LEA
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Last Take Point (LTP)

UL D	Section 22	Township 22S	Range 35E	Lot	Ft. from N/S 100' FNL	Ft. from E/W 985' FWL	Latitude 32.384225°	Longitude -103.360779°	County LEA
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
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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.		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.  Date: 2/12/2025	
Signature <i>Cassie Evans</i>		Signature and Seal of Professional Surveyor	
Date 4/22/25			
Printed Name Cassie Evans		Certificate Number 12177	Date of Survey 2/12/2025
Email Address Cassie.Evans@permianres.com			

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.

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.

**SURFACE HOLE LOCATION
& KICK-OFF POINT
650' FSL & 1,430' FWL
ELEV. = 3,507'**

NAD 83 X = 842,090.60'
NAD 83 Y = 495,069.57'
NAD 83 LAT = 32.357256°
NAD 83 LONG = -103.359349°
NAD 27 X = 800,906.40'
NAD 27 Y = 495,009.05'
NAD 27 LAT = 32.357130°
NAD 27 LONG = -103.358875°

FIRST TAKE POINT &
PENETRATION POINT 1
100' FSL & 982' FWL (990' CALLED)

NAD 83 X = 841,647.15'
NAD 83 Y = 494,515.86'
NAD 83 LAT = 32.355745°
NAD 83 LONG = -103.360802°
NAD 27 X = 800,462.95'
NAD 27 Y = 494,455.35'
NAD 27 LAT = 32.355620°
NAD 27 LONG = -103.360327°

PENETRATION POINT 2
2,639' FNL & 986' FWL (990' CALLED)

NAD 83 X = 841,629.01'
NAD 83 Y = 497,057.72'
NAD 83 LAT = 32.362731°
NAD 83 LONG = -103.360785°
NAD 27 X = 800,444.86'
NAD 27 Y = 496,997.15'
NAD 27 LAT = 32.362606°
NAD 27 LONG = -103.360311°

PENETRATION POINT 3
0' FNL & 990' FWL

NAD 83 X = 841,610.16'
NAD 83 Y = 499,696.96'
NAD 83 LAT = 32.369986°
NAD 83 LONG = -103.360769°
NAD 27 X = 800,426.06'
NAD 27 Y = 499,636.32'
NAD 27 LAT = 32.369861°
NAD 27 LONG = -103.360294°

PENETRATION POINT 4
2,640' FNL & 977' FWL (990' CALLED)

NAD 83 X = 841,584.60'
NAD 83 Y = 502,337.19'
NAD 83 LAT = 32.377243°
NAD 83 LONG = -103.360774°
NAD 27 X = 800,400.55'
NAD 27 Y = 502,276.48'
NAD 27 LAT = 32.377118°
NAD 27 LONG = -103.360299°

PENETRATION POINT 5
1,320' FNL & 981' FWL (990' CALLED)

NAD 83 X = 841,571.82'
NAD 83 Y = 503,657.18'
NAD 83 LAT = 32.380871°
NAD 83 LONG = -103.360776°
NAD 27 X = 800,387.80'
NAD 27 Y = 503,596.43'
NAD 27 LAT = 32.380746°
NAD 27 LONG = -103.360302°

LAST TAKE POINT &
BOTTOM HOLE LOCATION
100' FNL & 985' FWL (990' CALLED)

NAD 83 X = 841,560.01'
NAD 83 Y = 504,877.18'
NAD 83 LAT = 32.384225°
NAD 83 LONG = -103.360779°
NAD 27 X = 800,376.01'
NAD 27 Y = 504,816.40'
NAD 27 LAT = 32.384100°
NAD 27 LONG = -103.360304°



Permian Resources - Bridge State Unit 27 501H

1. Geologic Formations

Formation	Elevation	TVD	Target
Rustler	1740	1797	No
Top of Salt	824	2713	No
Yates	-392	3929	No
Capitan	-833	4370	No
Cherry Canyon	-2461	5998	No
Brushy Canyon	-3678	7215	No
Bone Spring Lime	-5039	8576	No
1st Bone Spring Sand	-6113	9650	No
2nd Bone Spring Sand	-6625	10162	Yes
3rd Bone Spring Sand	-7466	11003	No
Wolfcamp	-7806	11343	No

2. Blowout Prevention

BOP installed and tested before drilling which hole?	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 intermediate 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	1822	0	1822	1822	J55	54.5	BTC	1.26	1.30	Dry	4.56	Dry	4.28
Intermediate	12.25	9.625	0	6050	0	6050	6050	J55	40	BTC	2.29	1.46	Dry	2.09	Dry	1.84
Production	8.75	5.5	0	10655	0	10320	10655	VA-SS-95	20	VA Rough	2.10	2.18	Dry	1.90	Dry	1.90
Production	8.5	5.5	10655	20586	10320	10320	9931	P110RY	20	Rattler	1.97	2.18	Dry	2.09	Dry	2.09
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	Quantity (sx)	Yield	Density	Cu Ft	Excess %	Cement Type	Additives
Surface	Lead	0	1450	1080	1.88	12.9	2020	100%	Class C	EconoCem-HLC + 5% Salt + 5% Kol-Seal
Surface	Tail	1450	1822	300	1.34	14.8	390	50%	Class C	Accelerator
Intermediate	Lead	3954	4840	300	1.88	12.9	560	100%	Class C	EconoCem-HLC + 5% Salt + 5% Kol-Seal
Intermediate	Tail	4840	6050	410	1.34	14.8	540	40%	Class C	Retarder
Stage Tool Depth		3954								
Intermediate 2nd Stage	Lead	0	3454	900	1.88	12.9	1690	100%	Class C	EconoCem-HLC + 5% Salt + 5% Kol-Seal
Intermediate 2nd Stage	Tail	3454	3954	190	1.33	14.8	240	50%	Class C	Salt
Production	Lead	5550	9905	630	2.41	13	1500	40%	Class H	POZ, Extender, Fluid Loss, Dispersant, Retarder
Production	Tail	9905	20586	1790	1.73	10.5	3090	25%	Class H	POZ, Extender, Fluid Loss, Dispersant, Retarder
Plug Back	Tail	9542	11175	470	0.97	17.5	450	10%	Class C	Defoamer, HR-601, Salt

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 other 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: 12350 Cu Ft

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight	Max Weight
0	1822	Spud Mud	8.6	9.5
1822	6050	Salt Saturated	10	10
6050	10655	Water Based Mud	9	10.5
10655	20586	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	5640	psi
Anticipated Surface Pressure	3364	psi
Anticipated Bottom Hole Temperature	158	°F
Anticipated Abnormal pressure, temp, or geo hazards	No	

NEW MEXICO

(SP) LEA

BRIDGE STATE UNIT 27

BRIDGE STATE UNIT 27 501H

OWB

Plan: PWP0

Standard Planning Report - Geographic

17 April, 2025

Planning Report - Geographic

Database:	Compass_17	Local Co-ordinate Reference:	Well BRIDGE STATE UNIT27 501H
Company:	NEW MEXICO	TVD Reference:	KB @ 3538.0usft
Project:	(SP) LEA	MD Reference:	KB @ 3538.0usft
Site:	BRIDGE STATE UNIT 27	North Reference:	Grid
Well:	BRIDGE STATE UNIT 27 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Project	(SP) LEA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	BRIDGE STATE UNIT 27			
Site Position:	Northing:	494,980.39 usft	Latitude:	32° 21' 25.224 N
From: Map	Easting:	842,242.57 usft	Longitude:	103° 21' 31.895 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	

Well	BRIDGE STATE UNIT 27 501H					
Well Position	+N/-S	0.0 usft	Northing:	495,069.57 usft	Latitude:	32° 21' 26.120 N
	+E/-W	0.0 usft	Easting:	842,090.60 usft	Longitude:	103° 21' 33.658 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,508.0 usft	
Grid Convergence:	0.52 °					

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.66	60.40	48,896.72293416

Design	PWP0			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	356.90

Plan Survey Tool Program	Date	4/17/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,585.7 PWP0 (OWB)	MWD	
			OWSG_Rev2_ MWD - Star	

Planning Report - Geographic

Database:	Compass_17	Local Co-ordinate Reference:	Well BRIDGE STATE UNIT27 501H
Company:	NEW MEXICO	TVD Reference:	KB @ 3538.0usft
Project:	(SP) LEA	MD Reference:	KB @ 3538.0usft
Site:	BRIDGE STATE UNIT 27	North Reference:	Grid
Well:	BRIDGE STATE UNIT 27 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,500.0	10.00	216.47	2,497.5	-35.0	-25.9	2.00	2.00	0.00	216.47	
6,295.3	10.00	216.47	6,235.1	-565.0	-417.6	0.00	0.00	0.00	0.00	
6,795.3	0.00	0.00	6,732.6	-600.0	-443.4	2.00	-2.00	0.00	180.00	
9,905.2	0.00	0.00	9,842.5	-600.0	-443.4	0.00	0.00	0.00	0.00	
10,655.2	90.00	359.52	10,320.0	-122.6	-447.4	12.00	12.00	0.00	359.52	BHL-BRIDGE STAT
12,765.8	90.00	359.52	10,320.0	1,988.0	-465.1	0.00	0.00	0.00	0.00	PP2-BRIDGE STAT
15,405.0	90.00	359.52	10,320.0	4,627.0	-487.2	0.00	0.00	0.00	0.00	PP3-BRIDGE STAT
18,045.5	90.00	359.52	10,320.0	7,267.4	-509.3	0.00	0.00	0.00	0.00	PP4-BRIDGE STAT
19,365.6	90.00	359.52	10,320.0	8,587.5	-520.4	0.00	0.00	0.00	0.00	PP5-BRIDGE STAT
20,585.7	90.00	359.52	10,320.0	9,807.6	-530.6	0.00	0.00	0.00	0.00	BHL-BRIDGE STAT

Planning Report - Geographic

Database:	Compass_17	Local Co-ordinate Reference:	Well BRIDGE STATE UNIT 27 501H
Company:	NEW MEXICO	TVD Reference:	KB @ 3538.0usft
Project:	(SP) LEA	MD Reference:	KB @ 3538.0usft
Site:	BRIDGE STATE UNIT 27	North Reference:	Grid
Well:	BRIDGE STATE UNIT 27 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
100.0	0.00	0.00	100.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
200.0	0.00	0.00	200.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
300.0	0.00	0.00	300.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
400.0	0.00	0.00	400.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
500.0	0.00	0.00	500.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
600.0	0.00	0.00	600.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
700.0	0.00	0.00	700.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
800.0	0.00	0.00	800.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
900.0	0.00	0.00	900.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	495,069.57	842,090.60	32° 21' 26.120 N	103° 21' 33.658 W
Start Build 2.00									
2,100.0	2.00	216.47	2,100.0	-1.4	-1.0	495,068.17	842,089.56	32° 21' 26.106 N	103° 21' 33.670 W
2,200.0	4.00	216.47	2,199.8	-5.6	-4.1	495,063.96	842,086.45	32° 21' 26.065 N	103° 21' 33.706 W
2,300.0	6.00	216.47	2,299.5	-12.6	-9.3	495,056.95	842,081.27	32° 21' 25.996 N	103° 21' 33.768 W
2,400.0	8.00	216.47	2,398.7	-22.4	-16.6	495,047.15	842,074.03	32° 21' 25.900 N	103° 21' 33.853 W
2,500.0	10.00	216.47	2,497.5	-35.0	-25.9	495,034.57	842,064.73	32° 21' 25.776 N	103° 21' 33.963 W
Start 3795.3 hold at 2500.0 MD									
2,600.0	10.00	216.47	2,595.9	-49.0	-36.2	495,020.61	842,054.41	32° 21' 25.639 N	103° 21' 34.085 W
2,700.0	10.00	216.47	2,694.4	-62.9	-46.5	495,006.64	842,044.09	32° 21' 25.502 N	103° 21' 34.206 W
2,800.0	10.00	216.47	2,792.9	-76.9	-56.8	494,992.68	842,033.77	32° 21' 25.364 N	103° 21' 34.328 W
2,900.0	10.00	216.47	2,891.4	-90.9	-67.2	494,978.71	842,023.45	32° 21' 25.227 N	103° 21' 34.450 W
3,000.0	10.00	216.47	2,989.9	-104.8	-77.5	494,964.75	842,013.13	32° 21' 25.090 N	103° 21' 34.572 W
3,100.0	10.00	216.47	3,088.3	-118.8	-87.8	494,950.78	842,002.80	32° 21' 24.953 N	103° 21' 34.694 W
3,200.0	10.00	216.47	3,186.8	-132.8	-98.1	494,936.82	841,992.48	32° 21' 24.815 N	103° 21' 34.815 W
3,300.0	10.00	216.47	3,285.3	-146.7	-108.4	494,922.85	841,982.16	32° 21' 24.678 N	103° 21' 34.937 W
3,400.0	10.00	216.47	3,383.8	-160.7	-118.8	494,908.89	841,971.84	32° 21' 24.541 N	103° 21' 35.059 W
3,500.0	10.00	216.47	3,482.3	-174.6	-129.1	494,894.92	841,961.52	32° 21' 24.404 N	103° 21' 35.181 W
3,600.0	10.00	216.47	3,580.8	-188.6	-139.4	494,880.96	841,951.20	32° 21' 24.266 N	103° 21' 35.303 W
3,700.0	10.00	216.47	3,679.2	-202.6	-149.7	494,866.99	841,940.88	32° 21' 24.129 N	103° 21' 35.424 W
3,800.0	10.00	216.47	3,777.7	-216.5	-160.0	494,853.03	841,930.56	32° 21' 23.992 N	103° 21' 35.546 W
3,900.0	10.00	216.47	3,876.2	-230.5	-170.4	494,839.06	841,920.24	32° 21' 23.855 N	103° 21' 35.668 W
4,000.0	10.00	216.47	3,974.7	-244.5	-180.7	494,825.10	841,909.91	32° 21' 23.717 N	103° 21' 35.790 W
4,100.0	10.00	216.47	4,073.2	-258.4	-191.0	494,811.14	841,899.59	32° 21' 23.580 N	103° 21' 35.911 W
4,200.0	10.00	216.47	4,171.6	-272.4	-201.3	494,797.17	841,889.27	32° 21' 23.443 N	103° 21' 36.033 W
4,300.0	10.00	216.47	4,270.1	-286.4	-211.6	494,783.21	841,878.95	32° 21' 23.306 N	103° 21' 36.155 W
4,400.0	10.00	216.47	4,368.6	-300.3	-222.0	494,769.24	841,868.63	32° 21' 23.168 N	103° 21' 36.277 W
4,500.0	10.00	216.47	4,467.1	-314.3	-232.3	494,755.28	841,858.31	32° 21' 23.031 N	103° 21' 36.399 W
4,600.0	10.00	216.47	4,565.6	-328.3	-242.6	494,741.31	841,847.99	32° 21' 22.894 N	103° 21' 36.520 W
4,700.0	10.00	216.47	4,664.0	-342.2	-252.9	494,727.35	841,837.67	32° 21' 22.757 N	103° 21' 36.642 W
4,800.0	10.00	216.47	4,762.5	-356.2	-263.3	494,713.38	841,827.35	32° 21' 22.619 N	103° 21' 36.764 W
4,900.0	10.00	216.47	4,861.0	-370.2	-273.6	494,699.42	841,817.02	32° 21' 22.482 N	103° 21' 36.886 W
5,000.0	10.00	216.47	4,959.5	-384.1	-283.9	494,685.45	841,806.70	32° 21' 22.345 N	103° 21' 37.008 W
5,100.0	10.00	216.47	5,058.0	-398.1	-294.2	494,671.49	841,796.38	32° 21' 22.208 N	103° 21' 37.129 W

Planning Report - Geographic

Database:	Compass_17	Local Co-ordinate Reference:	Well BRIDGE STATE UNIT 27 501H
Company:	NEW MEXICO	TVD Reference:	KB @ 3538.0usft
Project:	(SP) LEA	MD Reference:	KB @ 3538.0usft
Site:	BRIDGE STATE UNIT 27	North Reference:	Grid
Well:	BRIDGE STATE UNIT 27 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
5,200.0	10.00	216.47	5,156.4	-412.0	-304.5	494,657.52	841,786.06	32° 21' 22.071 N	103° 21' 37.251 W	
5,300.0	10.00	216.47	5,254.9	-426.0	-314.9	494,643.56	841,775.74	32° 21' 21.933 N	103° 21' 37.373 W	
5,400.0	10.00	216.47	5,353.4	-440.0	-325.2	494,629.59	841,765.42	32° 21' 21.796 N	103° 21' 37.495 W	
5,500.0	10.00	216.47	5,451.9	-453.9	-335.5	494,615.63	841,755.10	32° 21' 21.659 N	103° 21' 37.617 W	
5,600.0	10.00	216.47	5,550.4	-467.9	-345.8	494,601.67	841,744.78	32° 21' 21.522 N	103° 21' 37.738 W	
5,700.0	10.00	216.47	5,648.9	-481.9	-356.1	494,587.70	841,734.46	32° 21' 21.384 N	103° 21' 37.860 W	
5,800.0	10.00	216.47	5,747.3	-495.8	-366.5	494,573.74	841,724.14	32° 21' 21.247 N	103° 21' 37.982 W	
5,900.0	10.00	216.47	5,845.8	-509.8	-376.8	494,559.77	841,713.81	32° 21' 21.110 N	103° 21' 38.104 W	
6,000.0	10.00	216.47	5,944.3	-523.8	-387.1	494,545.81	841,703.49	32° 21' 20.973 N	103° 21' 38.226 W	
6,100.0	10.00	216.47	6,042.8	-537.7	-397.4	494,531.84	841,693.17	32° 21' 20.835 N	103° 21' 38.347 W	
6,200.0	10.00	216.47	6,141.3	-551.7	-407.7	494,517.88	841,682.85	32° 21' 20.698 N	103° 21' 38.469 W	
6,295.3	10.00	216.47	6,235.1	-565.0	-417.6	494,504.57	841,673.02	32° 21' 20.567 N	103° 21' 38.585 W	
Start Drop -2.00										
6,300.0	9.91	216.47	6,239.7	-565.7	-418.1	494,503.92	841,672.53	32° 21' 20.561 N	103° 21' 38.591 W	
6,400.0	7.91	216.47	6,338.5	-578.1	-427.3	494,491.47	841,663.33	32° 21' 20.439 N	103° 21' 38.699 W	
6,500.0	5.91	216.47	6,437.8	-587.8	-434.4	494,481.80	841,656.19	32° 21' 20.343 N	103° 21' 38.784 W	
6,600.0	3.91	216.47	6,537.4	-594.6	-439.5	494,474.92	841,651.10	32° 21' 20.276 N	103° 21' 38.844 W	
6,700.0	1.91	216.47	6,637.3	-598.7	-442.5	494,470.85	841,648.09	32° 21' 20.236 N	103° 21' 38.879 W	
6,795.3	0.00	0.00	6,732.6	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
Start 3109.9 hold at 6795.3 MD										
6,800.0	0.00	0.00	6,737.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
6,900.0	0.00	0.00	6,837.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
7,000.0	0.00	0.00	6,937.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
7,100.0	0.00	0.00	7,037.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
7,200.0	0.00	0.00	7,137.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
7,300.0	0.00	0.00	7,237.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
7,400.0	0.00	0.00	7,337.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
7,500.0	0.00	0.00	7,437.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
7,600.0	0.00	0.00	7,537.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
7,700.0	0.00	0.00	7,637.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
7,800.0	0.00	0.00	7,737.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
7,900.0	0.00	0.00	7,837.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
8,000.0	0.00	0.00	7,937.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
8,100.0	0.00	0.00	8,037.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
8,200.0	0.00	0.00	8,137.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
8,300.0	0.00	0.00	8,237.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
8,400.0	0.00	0.00	8,337.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
8,500.0	0.00	0.00	8,437.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
8,600.0	0.00	0.00	8,537.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
8,700.0	0.00	0.00	8,637.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
8,800.0	0.00	0.00	8,737.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
8,900.0	0.00	0.00	8,837.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
9,000.0	0.00	0.00	8,937.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
9,100.0	0.00	0.00	9,037.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
9,200.0	0.00	0.00	9,137.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
9,300.0	0.00	0.00	9,237.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
9,400.0	0.00	0.00	9,337.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
9,500.0	0.00	0.00	9,437.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
9,600.0	0.00	0.00	9,537.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
9,700.0	0.00	0.00	9,637.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
9,800.0	0.00	0.00	9,737.3	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
9,905.2	0.00	0.00	9,842.5	-600.0	-443.4	494,469.57	841,647.15	32° 21' 20.223 N	103° 21' 38.890 W	
Start Build 12.00										
9,925.0	2.37	359.52	9,862.3	-599.6	-443.5	494,469.98	841,647.15	32° 21' 20.227 N	103° 21' 38.890 W	

Planning Report - Geographic

Database:	Compass_17	Local Co-ordinate Reference:	Well BRIDGE STATE UNIT 27 501H
Company:	NEW MEXICO	TVD Reference:	KB @ 3538.0usft
Project:	(SP) LEA	MD Reference:	KB @ 3538.0usft
Site:	BRIDGE STATE UNIT 27	North Reference:	Grid
Well:	BRIDGE STATE UNIT 27 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,950.0	5.37	359.52	9,887.2	-597.9	-443.5	494,471.67	841,647.13	32° 21' 20.244 N	103° 21' 38.890 W
9,975.0	8.37	359.52	9,912.0	-594.9	-443.5	494,474.66	841,647.11	32° 21' 20.274 N	103° 21' 38.890 W
10,000.0	11.37	359.52	9,936.7	-590.6	-443.5	494,478.95	841,647.07	32° 21' 20.316 N	103° 21' 38.890 W
10,025.0	14.37	359.52	9,961.0	-585.1	-443.6	494,484.51	841,647.02	32° 21' 20.371 N	103° 21' 38.890 W
10,050.0	17.37	359.52	9,985.1	-578.2	-443.6	494,491.35	841,646.97	32° 21' 20.439 N	103° 21' 38.890 W
10,075.0	20.37	359.52	10,008.7	-570.1	-443.7	494,499.44	841,646.90	32° 21' 20.519 N	103° 21' 38.890 W
10,100.0	23.37	359.52	10,031.9	-560.8	-443.8	494,508.75	841,646.82	32° 21' 20.611 N	103° 21' 38.890 W
10,125.0	26.37	359.52	10,054.6	-550.3	-443.9	494,519.26	841,646.73	32° 21' 20.715 N	103° 21' 38.890 W
10,150.0	29.37	359.52	10,076.7	-538.6	-444.0	494,530.95	841,646.63	32° 21' 20.831 N	103° 21' 38.890 W
10,175.0	32.37	359.52	10,098.1	-525.8	-444.1	494,543.77	841,646.53	32° 21' 20.958 N	103° 21' 38.890 W
10,200.0	35.37	359.52	10,118.9	-511.9	-444.2	494,557.71	841,646.41	32° 21' 21.095 N	103° 21' 38.890 W
10,225.0	38.37	359.52	10,138.9	-496.9	-444.3	494,572.70	841,646.29	32° 21' 21.244 N	103° 21' 38.890 W
10,250.0	41.37	359.52	10,158.1	-480.8	-444.4	494,588.73	841,646.15	32° 21' 21.402 N	103° 21' 38.889 W
10,275.0	44.37	359.52	10,176.4	-463.8	-444.6	494,605.74	841,646.01	32° 21' 21.571 N	103° 21' 38.889 W
10,300.0	47.37	359.52	10,193.8	-445.9	-444.7	494,623.68	841,645.86	32° 21' 21.748 N	103° 21' 38.889 W
10,325.0	50.37	359.52	10,210.2	-427.1	-444.9	494,642.51	841,645.70	32° 21' 21.935 N	103° 21' 38.889 W
10,350.0	53.37	359.52	10,225.7	-407.4	-445.1	494,662.17	841,645.54	32° 21' 22.129 N	103° 21' 38.889 W
10,375.0	56.37	359.52	10,240.1	-387.0	-445.2	494,682.61	841,645.37	32° 21' 22.331 N	103° 21' 38.889 W
10,400.0	59.37	359.52	10,253.4	-365.8	-445.4	494,703.78	841,645.19	32° 21' 22.541 N	103° 21' 38.888 W
10,425.0	62.37	359.52	10,265.5	-344.0	-445.6	494,725.62	841,645.01	32° 21' 22.757 N	103° 21' 38.888 W
10,450.0	65.37	359.52	10,276.5	-321.5	-445.8	494,748.06	841,644.82	32° 21' 22.979 N	103° 21' 38.888 W
10,475.0	68.37	359.52	10,286.4	-298.5	-446.0	494,771.05	841,644.62	32° 21' 23.206 N	103° 21' 38.888 W
10,500.0	71.37	359.52	10,295.0	-275.1	-446.2	494,794.52	841,644.43	32° 21' 23.439 N	103° 21' 38.888 W
10,525.0	74.37	359.52	10,302.3	-251.2	-446.4	494,818.40	841,644.23	32° 21' 23.675 N	103° 21' 38.888 W
10,550.0	77.37	359.52	10,308.4	-226.9	-446.6	494,842.64	841,644.03	32° 21' 23.915 N	103° 21' 38.887 W
10,575.0	80.37	359.52	10,313.2	-202.4	-446.8	494,867.17	841,643.82	32° 21' 24.158 N	103° 21' 38.887 W
10,600.0	83.37	359.52	10,316.8	-177.7	-447.0	494,891.92	841,643.61	32° 21' 24.402 N	103° 21' 38.887 W
10,625.0	86.37	359.52	10,319.0	-152.8	-447.2	494,916.81	841,643.40	32° 21' 24.649 N	103° 21' 38.887 W
10,650.0	89.37	359.52	10,319.9	-127.8	-447.4	494,941.79	841,643.20	32° 21' 24.896 N	103° 21' 38.886 W
10,655.2	90.00	359.52	10,320.0	-122.6	-447.4	494,947.02	841,643.15	32° 21' 24.948 N	103° 21' 38.886 W
Start 2110.6 hold at 10655.2 MD									
10,700.0	90.00	359.52	10,320.0	-77.8	-447.8	494,991.79	841,642.78	32° 21' 25.391 N	103° 21' 38.886 W
10,800.0	90.00	359.52	10,320.0	22.2	-448.7	495,091.79	841,641.94	32° 21' 26.380 N	103° 21' 38.885 W
10,900.0	90.00	359.52	10,320.0	122.2	-449.5	495,191.78	841,641.10	32° 21' 27.370 N	103° 21' 38.884 W
11,000.0	90.00	359.52	10,320.0	222.2	-450.3	495,291.78	841,640.26	32° 21' 28.359 N	103° 21' 38.884 W
11,100.0	90.00	359.52	10,320.0	322.2	-451.2	495,391.78	841,639.43	32° 21' 29.349 N	103° 21' 38.883 W
11,200.0	90.00	359.52	10,320.0	422.2	-452.0	495,491.77	841,638.59	32° 21' 30.338 N	103° 21' 38.882 W
11,300.0	90.00	359.52	10,320.0	522.2	-452.8	495,591.77	841,637.75	32° 21' 31.328 N	103° 21' 38.881 W
11,400.0	90.00	359.52	10,320.0	622.2	-453.7	495,691.77	841,636.92	32° 21' 32.317 N	103° 21' 38.880 W
11,500.0	90.00	359.52	10,320.0	722.2	-454.5	495,791.76	841,636.08	32° 21' 33.307 N	103° 21' 38.879 W
11,600.0	90.00	359.52	10,320.0	822.2	-455.4	495,891.76	841,635.24	32° 21' 34.296 N	103° 21' 38.879 W
11,700.0	90.00	359.52	10,320.0	922.2	-456.2	495,991.75	841,634.40	32° 21' 35.286 N	103° 21' 38.878 W
11,800.0	90.00	359.52	10,320.0	1,022.2	-457.0	496,091.75	841,633.57	32° 21' 36.275 N	103° 21' 38.877 W
11,900.0	90.00	359.52	10,320.0	1,122.2	-457.9	496,191.75	841,632.73	32° 21' 37.265 N	103° 21' 38.876 W
12,000.0	90.00	359.52	10,320.0	1,222.2	-458.7	496,291.74	841,631.89	32° 21' 38.254 N	103° 21' 38.875 W
12,100.0	90.00	359.52	10,320.0	1,322.2	-459.5	496,391.74	841,631.06	32° 21' 39.244 N	103° 21' 38.874 W
12,200.0	90.00	359.52	10,320.0	1,422.2	-460.4	496,491.74	841,630.22	32° 21' 40.233 N	103° 21' 38.874 W
12,300.0	90.00	359.52	10,320.0	1,522.2	-461.2	496,591.73	841,629.38	32° 21' 41.222 N	103° 21' 38.873 W
12,400.0	90.00	359.52	10,320.0	1,622.2	-462.1	496,691.73	841,628.54	32° 21' 42.212 N	103° 21' 38.872 W
12,500.0	90.00	359.52	10,320.0	1,722.2	-462.9	496,791.73	841,627.71	32° 21' 43.201 N	103° 21' 38.871 W
12,600.0	90.00	359.52	10,320.0	1,822.2	-463.7	496,891.72	841,626.87	32° 21' 44.191 N	103° 21' 38.870 W
12,700.0	90.00	359.52	10,320.0	1,922.1	-464.6	496,991.72	841,626.03	32° 21' 45.180 N	103° 21' 38.869 W
12,765.8	90.00	359.52	10,320.0	1,988.0	-465.1	497,057.53	841,625.48	32° 21' 45.832 N	103° 21' 38.869 W
Start 2639.2 hold at 12765.8 MD									

Planning Report - Geographic

Database:	Compass_17	Local Co-ordinate Reference:	Well BRIDGE STATE UNIT 27 501H
Company:	NEW MEXICO	TVD Reference:	KB @ 3538.0usft
Project:	(SP) LEA	MD Reference:	KB @ 3538.0usft
Site:	BRIDGE STATE UNIT 27	North Reference:	Grid
Well:	BRIDGE STATE UNIT 27 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
12,800.0	90.00	359.52	10,320.0	2,022.1	-465.4	497,091.72	841,625.19	32° 21' 46.170 N	103° 21' 38.869 W	
12,900.0	90.00	359.52	10,320.0	2,122.1	-466.2	497,191.71	841,624.36	32° 21' 47.159 N	103° 21' 38.868 W	
13,000.0	90.00	359.52	10,320.0	2,222.1	-467.1	497,291.71	841,623.52	32° 21' 48.149 N	103° 21' 38.867 W	
13,100.0	90.00	359.52	10,320.0	2,322.1	-467.9	497,391.71	841,622.68	32° 21' 49.138 N	103° 21' 38.866 W	
13,200.0	90.00	359.52	10,320.0	2,422.1	-468.8	497,491.70	841,621.85	32° 21' 50.128 N	103° 21' 38.865 W	
13,300.0	90.00	359.52	10,320.0	2,522.1	-469.6	497,591.70	841,621.01	32° 21' 51.117 N	103° 21' 38.864 W	
13,400.0	90.00	359.52	10,320.0	2,622.1	-470.4	497,691.69	841,620.17	32° 21' 52.107 N	103° 21' 38.864 W	
13,500.0	90.00	359.52	10,320.0	2,722.1	-471.3	497,791.69	841,619.33	32° 21' 53.096 N	103° 21' 38.863 W	
13,600.0	90.00	359.52	10,320.0	2,822.1	-472.1	497,891.69	841,618.50	32° 21' 54.086 N	103° 21' 38.862 W	
13,700.0	90.00	359.52	10,320.0	2,922.1	-472.9	497,991.68	841,617.66	32° 21' 55.075 N	103° 21' 38.861 W	
13,800.0	90.00	359.52	10,320.0	3,022.1	-473.8	498,091.68	841,616.82	32° 21' 56.065 N	103° 21' 38.860 W	
13,900.0	90.00	359.52	10,320.0	3,122.1	-474.6	498,191.68	841,615.98	32° 21' 57.054 N	103° 21' 38.859 W	
14,000.0	90.00	359.52	10,320.0	3,222.1	-475.5	498,291.67	841,615.15	32° 21' 58.044 N	103° 21' 38.859 W	
14,100.0	90.00	359.52	10,320.0	3,322.1	-476.3	498,391.67	841,614.31	32° 21' 59.033 N	103° 21' 38.858 W	
14,200.0	90.00	359.52	10,320.0	3,422.1	-477.1	498,491.67	841,613.47	32° 22' 0.023 N	103° 21' 38.857 W	
14,300.0	90.00	359.52	10,320.0	3,522.1	-478.0	498,591.66	841,612.64	32° 22' 1.012 N	103° 21' 38.856 W	
14,400.0	90.00	359.52	10,320.0	3,622.1	-478.8	498,691.66	841,611.80	32° 22' 2.002 N	103° 21' 38.855 W	
14,500.0	90.00	359.52	10,320.0	3,722.1	-479.6	498,791.66	841,610.96	32° 22' 2.991 N	103° 21' 38.854 W	
14,600.0	90.00	359.52	10,320.0	3,822.1	-480.5	498,891.65	841,610.12	32° 22' 3.981 N	103° 21' 38.854 W	
14,700.0	90.00	359.52	10,320.0	3,922.1	-481.3	498,991.65	841,609.29	32° 22' 4.970 N	103° 21' 38.853 W	
14,800.0	90.00	359.52	10,320.0	4,022.1	-482.1	499,091.65	841,608.45	32° 22' 5.960 N	103° 21' 38.852 W	
14,900.0	90.00	359.52	10,320.0	4,122.1	-483.0	499,191.64	841,607.61	32° 22' 6.949 N	103° 21' 38.851 W	
15,000.0	90.00	359.52	10,320.0	4,222.1	-483.8	499,291.64	841,606.77	32° 22' 7.938 N	103° 21' 38.850 W	
15,100.0	90.00	359.52	10,320.0	4,322.1	-484.7	499,391.64	841,605.94	32° 22' 8.928 N	103° 21' 38.849 W	
15,200.0	90.00	359.52	10,320.0	4,422.1	-485.5	499,491.63	841,605.10	32° 22' 9.917 N	103° 21' 38.849 W	
15,300.0	90.00	359.52	10,320.0	4,522.1	-486.3	499,591.63	841,604.26	32° 22' 10.907 N	103° 21' 38.848 W	
15,405.0	90.00	359.52	10,320.0	4,627.0	-487.2	499,696.59	841,603.38	32° 22' 11.946 N	103° 21' 38.847 W	
Start 2640.5 hold at 15405.0 MD										
15,500.0	90.00	359.52	10,320.0	4,722.1	-488.0	499,791.62	841,602.59	32° 22' 12.886 N	103° 21' 38.846 W	
15,600.0	90.00	359.52	10,320.0	4,822.0	-488.8	499,891.62	841,601.75	32° 22' 13.875 N	103° 21' 38.845 W	
15,700.0	90.00	359.52	10,320.0	4,922.0	-489.7	499,991.61	841,600.91	32° 22' 14.865 N	103° 21' 38.844 W	
15,800.0	90.00	359.52	10,320.0	5,022.0	-490.5	500,091.61	841,600.08	32° 22' 15.854 N	103° 21' 38.844 W	
15,900.0	90.00	359.52	10,320.0	5,122.0	-491.4	500,191.61	841,599.24	32° 22' 16.844 N	103° 21' 38.843 W	
16,000.0	90.00	359.52	10,320.0	5,222.0	-492.2	500,291.60	841,598.40	32° 22' 17.833 N	103° 21' 38.842 W	
16,100.0	90.00	359.52	10,320.0	5,322.0	-493.0	500,391.60	841,597.57	32° 22' 18.823 N	103° 21' 38.841 W	
16,200.0	90.00	359.52	10,320.0	5,422.0	-493.9	500,491.60	841,596.73	32° 22' 19.812 N	103° 21' 38.840 W	
16,300.0	90.00	359.52	10,320.0	5,522.0	-494.7	500,591.59	841,595.89	32° 22' 20.802 N	103° 21' 38.839 W	
16,400.0	90.00	359.52	10,320.0	5,622.0	-495.5	500,691.59	841,595.05	32° 22' 21.791 N	103° 21' 38.839 W	
16,500.0	90.00	359.52	10,320.0	5,722.0	-496.4	500,791.59	841,594.22	32° 22' 22.781 N	103° 21' 38.838 W	
16,600.0	90.00	359.52	10,320.0	5,822.0	-497.2	500,891.58	841,593.38	32° 22' 23.770 N	103° 21' 38.837 W	
16,700.0	90.00	359.52	10,320.0	5,922.0	-498.1	500,991.58	841,592.54	32° 22' 24.760 N	103° 21' 38.836 W	
16,800.0	90.00	359.52	10,320.0	6,022.0	-498.9	501,091.58	841,591.70	32° 22' 25.749 N	103° 21' 38.835 W	
16,900.0	90.00	359.52	10,320.0	6,122.0	-499.7	501,191.57	841,590.87	32° 22' 26.739 N	103° 21' 38.834 W	
17,000.0	90.00	359.52	10,320.0	6,222.0	-500.6	501,291.57	841,590.03	32° 22' 27.728 N	103° 21' 38.834 W	
17,100.0	90.00	359.52	10,320.0	6,322.0	-501.4	501,391.57	841,589.19	32° 22' 28.718 N	103° 21' 38.833 W	
17,200.0	90.00	359.52	10,320.0	6,422.0	-502.2	501,491.56	841,588.36	32° 22' 29.707 N	103° 21' 38.832 W	
17,300.0	90.00	359.52	10,320.0	6,522.0	-503.1	501,591.56	841,587.52	32° 22' 30.697 N	103° 21' 38.831 W	
17,400.0	90.00	359.52	10,320.0	6,622.0	-503.9	501,691.55	841,586.68	32° 22' 31.686 N	103° 21' 38.830 W	
17,500.0	90.00	359.52	10,320.0	6,722.0	-504.8	501,791.55	841,585.84	32° 22' 32.676 N	103° 21' 38.829 W	
17,600.0	90.00	359.52	10,320.0	6,822.0	-505.6	501,891.55	841,585.01	32° 22' 33.665 N	103° 21' 38.829 W	
17,700.0	90.00	359.52	10,320.0	6,922.0	-506.4	501,991.54	841,584.17	32° 22' 34.654 N	103° 21' 38.828 W	
17,800.0	90.00	359.52	10,320.0	7,022.0	-507.3	502,091.54	841,583.33	32° 22' 35.644 N	103° 21' 38.827 W	
17,900.0	90.00	359.52	10,320.0	7,122.0	-508.1	502,191.54	841,582.49	32° 22' 36.633 N	103° 21' 38.826 W	
18,000.0	90.00	359.52	10,320.0	7,222.0	-508.9	502,291.53	841,581.66	32° 22' 37.623 N	103° 21' 38.825 W	

Planning Report - Geographic

Database:	Compass_17	Local Co-ordinate Reference:	Well BRIDGE STATE UNIT 27 501H
Company:	NEW MEXICO	TVD Reference:	KB @ 3538.0usft
Project:	(SP) LEA	MD Reference:	KB @ 3538.0usft
Site:	BRIDGE STATE UNIT 27	North Reference:	Grid
Well:	BRIDGE STATE UNIT 27 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
18,045.5	90.00	359.52	10,320.0	7,267.4	-509.3	502,337.01	841,581.28	32° 22' 38.073 N	103° 21' 38.825 W	
Start 1320.1 hold at 18045.5 MD										
18,100.0	90.00	359.52	10,320.0	7,322.0	-509.8	502,391.53	841,580.82	32° 22' 38.612 N	103° 21' 38.824 W	
18,200.0	90.00	359.52	10,320.0	7,422.0	-510.6	502,491.53	841,579.98	32° 22' 39.602 N	103° 21' 38.824 W	
18,300.0	90.00	359.52	10,320.0	7,522.0	-511.5	502,591.52	841,579.15	32° 22' 40.591 N	103° 21' 38.823 W	
18,400.0	90.00	359.52	10,320.0	7,621.9	-512.3	502,691.52	841,578.31	32° 22' 41.581 N	103° 21' 38.822 W	
18,500.0	90.00	359.52	10,320.0	7,721.9	-513.1	502,791.52	841,577.47	32° 22' 42.570 N	103° 21' 38.821 W	
18,600.0	90.00	359.52	10,320.0	7,821.9	-514.0	502,891.51	841,576.63	32° 22' 43.560 N	103° 21' 38.820 W	
18,700.0	90.00	359.52	10,320.0	7,921.9	-514.8	502,991.51	841,575.80	32° 22' 44.549 N	103° 21' 38.819 W	
18,800.0	90.00	359.52	10,320.0	8,021.9	-515.6	503,091.51	841,574.96	32° 22' 45.539 N	103° 21' 38.819 W	
18,900.0	90.00	359.52	10,320.0	8,121.9	-516.5	503,191.50	841,574.12	32° 22' 46.528 N	103° 21' 38.818 W	
19,000.0	90.00	359.52	10,320.0	8,221.9	-517.3	503,291.50	841,573.29	32° 22' 47.518 N	103° 21' 38.817 W	
19,100.0	90.00	359.52	10,320.0	8,321.9	-518.2	503,391.50	841,572.45	32° 22' 48.507 N	103° 21' 38.816 W	
19,200.0	90.00	359.52	10,320.0	8,421.9	-519.0	503,491.49	841,571.61	32° 22' 49.497 N	103° 21' 38.815 W	
19,300.0	90.00	359.52	10,320.0	8,521.9	-519.8	503,591.49	841,570.77	32° 22' 50.486 N	103° 21' 38.814 W	
19,365.6	90.00	359.52	10,320.0	8,587.5	-520.4	503,657.09	841,570.22	32° 22' 51.135 N	103° 21' 38.814 W	
Start 1220.1 hold at 19365.6 MD										
19,400.0	90.00	359.52	10,320.0	8,621.9	-520.7	503,691.48	841,569.94	32° 22' 51.476 N	103° 21' 38.814 W	
19,500.0	90.00	359.52	10,320.0	8,721.9	-521.5	503,791.48	841,569.10	32° 22' 52.465 N	103° 21' 38.813 W	
19,600.0	90.00	359.52	10,320.0	8,821.9	-522.3	503,891.48	841,568.26	32° 22' 53.455 N	103° 21' 38.812 W	
19,700.0	90.00	359.52	10,320.0	8,921.9	-523.2	503,991.47	841,567.42	32° 22' 54.444 N	103° 21' 38.811 W	
19,800.0	90.00	359.52	10,320.0	9,021.9	-524.0	504,091.47	841,566.59	32° 22' 55.434 N	103° 21' 38.810 W	
19,900.0	90.00	359.52	10,320.0	9,121.9	-524.8	504,191.47	841,565.75	32° 22' 56.423 N	103° 21' 38.809 W	
20,000.0	90.00	359.52	10,320.0	9,221.9	-525.7	504,291.46	841,564.91	32° 22' 57.413 N	103° 21' 38.808 W	
20,100.0	90.00	359.52	10,320.0	9,321.9	-526.5	504,391.46	841,564.08	32° 22' 58.402 N	103° 21' 38.808 W	
20,200.0	90.00	359.52	10,320.0	9,421.9	-527.4	504,491.46	841,563.24	32° 22' 59.391 N	103° 21' 38.807 W	
20,300.0	90.00	359.52	10,320.0	9,521.9	-528.2	504,591.45	841,562.40	32° 23' 0.381 N	103° 21' 38.806 W	
20,400.0	90.00	359.52	10,320.0	9,621.9	-529.0	504,691.45	841,561.56	32° 23' 1.370 N	103° 21' 38.805 W	
20,500.0	90.00	359.52	10,320.0	9,721.9	-529.9	504,791.45	841,560.73	32° 23' 2.360 N	103° 21' 38.804 W	
20,585.7	90.00	359.52	10,320.0	9,807.6	-530.6	504,877.18	841,560.01	32° 23' 3.208 N	103° 21' 38.804 W	
TD at 20585.7										

Planning Report - Geographic

Database:	Compass_17	Local Co-ordinate Reference:	Well BRIDGE STATE UNIT27 501H
Company:	NEW MEXICO	TVD Reference:	KB @ 3538.0usft
Project:	(SP) LEA	MD Reference:	KB @ 3538.0usft
Site:	BRIDGE STATE UNIT 27	North Reference:	Grid
Well:	BRIDGE STATE UNIT 27 501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
PP3-BRIDGE STATE - plan misses target center by 6.8usft at 15405.3usft MD (10320.0 TVD, 4627.3 N, -487.2 E) - Point	0.00	0.00	10,320.0	4,627.4	-480.4	499,696.96	841,610.16	32° 22' 11.949 N	103° 21' 38.768 W
BHL-BRIDGE STATE - plan hits target center - Point	0.00	0.00	10,320.0	9,807.6	-530.6	504,877.18	841,560.01	32° 23' 3.208 N	103° 21' 38.804 W
PP5-BRIDGE STATE - plan misses target center by 1.6usft at 19365.7usft MD (10320.0 TVD, 8587.6 N, -520.4 E) - Point	0.00	0.00	10,320.0	8,587.6	-518.8	503,657.18	841,571.82	32° 22' 51.136 N	103° 21' 38.795 W
FTP-BRIDGE STATE - plan misses target center by 165.9usft at 10301.8usft MD (10195.0 TVD, -444.6 N, -444.8 E) - Point	0.00	0.00	10,320.0	-553.7	-443.4	494,515.86	841,647.15	32° 21' 20.681 N	103° 21' 38.886 W
PP2-BRIDGE STATE - plan misses target center by 3.5usft at 12766.0usft MD (10320.0 TVD, 1988.1 N, -465.1 E) - Point	0.00	0.00	10,320.0	1,988.1	-461.6	497,057.72	841,629.01	32° 21' 45.833 N	103° 21' 38.828 W
PP4-BRIDGE STATE - plan misses target center by 3.3usft at 18045.6usft MD (10320.0 TVD, 7267.6 N, -509.3 E) - Point	0.00	0.01	10,320.0	7,267.6	-506.0	502,337.19	841,584.60	32° 22' 38.074 N	103° 21' 38.786 W

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,000.0	2,000.0	0.0	0.0	Start Build 2.00
2,500.0	2,497.5	-35.0	-25.9	Start 3795.3 hold at 2500.0 MD
6,295.3	6,235.1	-565.0	-417.6	Start Drop -2.00
6,795.3	6,732.6	-600.0	-443.4	Start 3109.9 hold at 6795.3 MD
9,905.2	9,842.5	-600.0	-443.4	Start Build 12.00
10,655.2	10,320.0	-122.6	-447.4	Start 2110.6 hold at 10655.2 MD
12,765.8	10,320.0	1,988.0	-465.1	Start 2639.2 hold at 12765.8 MD
15,405.0	10,320.0	4,627.0	-487.2	Start 2640.5 hold at 15405.0 MD
18,045.5	10,320.0	7,267.4	-509.3	Start 1320.1 hold at 18045.5 MD
19,365.6	10,320.0	8,587.5	-520.4	Start 1220.1 hold at 19365.6 MD
20,585.7	10,320.0	9,807.6	-530.6	TD at 20585.7

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/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 469308

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 469308
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Any previous COA's not addressed within the updated COA's still apply.	6/9/2025
matthew.gomez	This well is within the Capitan Reef. The first intermediate casing string shall be sat and cemented back to surface immediately below the base of the Capitan Reef.	6/9/2025