

API No. <u>42-389-36390</u> Drilling Permit # <u>831122</u> SWR Exception Case/Docket No. _____		RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER <i>This facsimile W-1 was generated electronically from data submitted to the RRC.</i> <i>A certification of the automated data is available in the RRC's Austin office.</i>				FORM W-1 07/2004 Permit Status: Approved	
1. RRC Operator No. 601345		2. Operator's Name (as shown on form P-5, Organization Report) NBL PERMIAN LLC			3. Operator Address (include street, city, state, zip): 1001 NOBLE ENERGY WAY HOUSTON, TX 77070-0000		
4. Lease Name GHOST STATE 45-46 UNIT A			5. Well No. 61H				
GENERAL INFORMATION							
6. Purpose of filing (mark ALL appropriate boxes): <input checked="" type="checkbox"/> New Drill <input type="checkbox"/> Recompletion <input type="checkbox"/> Reclass <input type="checkbox"/> Field Transfer <input type="checkbox"/> Re-Enter <input type="checkbox"/> Amended <input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)							
7. Wellbore Profile (mark ALL appropriate boxes): <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Horizontal (Also File Form W-1H) <input type="checkbox"/> Directional (Also File Form W-1D) <input type="checkbox"/> Sidetrack							
8. Total Depth 13000		9. Do you have the right to develop the minerals under any right-of-way ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. 08		12. County REEVES		13. Surface Location <input checked="" type="checkbox"/> Land <input type="checkbox"/> Bay/Estuary <input type="checkbox"/> Inland Waterway <input type="checkbox"/> Offshore			
14. This well is to be located <u>15.4</u> miles in a <u>SW</u> direction from <u>Pecos</u> which is the nearest town in the county of the well site.							
15. Section 9		16. Block C8		17. Survey PSL / GILLILLAND, J W		18. Abstract No. A-1407	
				19. Distance to nearest lease line: 200 ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: 642.7	
21. Lease Perpendiculars: <u>2699</u> ft from the <u>N</u> line and <u>860</u> ft from the <u>W</u> line.							
22. Survey Perpendiculars: <u>2699</u> ft from the <u>N</u> line and <u>860</u> ft from the <u>W</u> line.							
23. Is this a pooled unit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			24. Unitization Docket No: _____				
25. Are you applying for Substandard Acreage Field? <input type="checkbox"/> Yes (attach Form W-1A) <input checked="" type="checkbox"/> No							
FIELD INFORMATION List all fields of anticipated completion including Wildcat. List one zone per line.							
26. RRC District No.	27. Field No.	28. Field Name (exactly as shown in RRC records)			29. Well Type	30. Completion Depth	
08	41911500	HOEFS T-K (WOLFCAMP)			Oil Well	13000	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks [FILER Sep 19, 2017 4:21 PM]: THIS IS THE SECOND WELL TO BE PERMITTED WITHIN THIS LEASE (1H and 61H)					Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. <div style="text-align: center;"> Lindsay Rodriguez, Regulatory Specialist </div> <div style="display: flex; justify-content: space-between;"> <div> <u>Name of filer</u> (832)6397446 Phone </div> <div> <u>Date submitted</u> Sep 20, 2017 <u>lindsay.rodriguez@nblenergy.com</u> E-mail Address (OPTIONAL) </div> </div>		
RRC Use Only Data Validation Time Stamp: Sep 25, 2017 12:08 PM('As Approved' Version)							

Permit Status: Approved <i>The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.</i>

RAILROAD COMMISSION OF TEXAS
 OIL & GAS DIVISION

APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER

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Permit #	831122
Approved Date:	Sep 25, 2017

1. RRC Operator No. 601345	2. Operator's Name (exactly as shown on form P-5, Organization Report) NBL PERMIAN LLC	3. Lease Name GHOST STATE 45-46 UNIT A	4. Well No. 61H
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 HOEFS T-K (WOLFCAMP) (Field # 41911500, RRC District 08)			
6. Section 45	7. Block 72	8. Survey PSL/BUCHANAN, L F	9. Abstract 1948
10. County of BHL REEVES			
11. Terminus Lease Line Perpendiculars 750 ft. from the S line. and 50 ft. from the W line			
12. Terminus Survey Line Perpendiculars 750 ft. from the S line. and 50 ft. from the W line			
13. Penetration Point Lease Line Perpendiculars 2699 ft. from the N line. and 860 ft. from the W line			

Block 72
Public School Land

A-3916
37
A-2818
36
A-2819
44
A-1950
45

A-2817
35
A-1951
46

TRACT	LESSOR	ACREAGE
1	State of Texas	321.1
2	State of Texas	321.6
	TOTAL	642.7

Ghost State 45-46 Unit A 61H
Surface Hole Location/Penetration Point
X: 953642.11 Latitude: 31.26960122°
Y: 598720.11 Longitude: -103.68302541°
860' FWL & 2699' FNL - Section 9

First Take Point
X: 952594.12 Latitude: 31.27066996°
Y: 599140.58 Longitude: -103.68641886°
750' FSL & 200' FEL - Section 46

Last Take Point
X: 942412.91 Latitude: 31.27064518°
Y: 599440.04 Longitude: -103.71902134°
750' FSL & 200' FWL - Section 45

Bottom Hole Location
X: 942262.98 Latitude: 31.27064475°
Y: 599444.45 Longitude: -103.71950147°
750' FSL & 50' FWL - Section 45

State of Texas
Tract 1
321.1 Acres

NBL PERMIAN LLC
Ghost State 45-46 Unit A
Total: 642.7 Acres

State of Texas
Tract 2
321.6 Acres

N 68°08'19" W
1129.19'
AZ291°51'41"

N 88°18'55" W 10185.61' (FTP to LTP) AZ271°41'05"

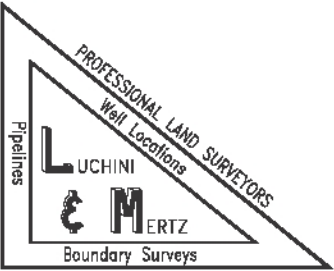
FTP

61H
SHL, PP
EL. 2779
IH
Ghost State
45-46
Unit A

7
A-3334
8
A-1947

Block C8
Public School Land

Note: Survey Reconstruction filed in the Office of Luchini and Mertz Land Surveying Company.
Note: All bearings and coordinates shown are based on the Texas Coordinate System of 1927, Central Zone.
Note: The above sketch represents the location as staked on the ground and is for permit purposes only.
Note: NAD 27' Coordinates & Latitude/Longitude on well location in Sections 9, 45 & 46.
Note: Well location is approximately 15.4 miles south-southwest of Pecos, Texas.
Note: This does not constitute a boundary survey.
Note: Lease description provided by client.



September 6, 2017
170906Z-KN

Railroad Commission Drawing

NBL PERMIAN LLC
Ghost State 45-46 Unit A 61H
in
642.7 Acres of Sections 45 & 46
Block 72
Public School Land Survey
Reeves County, Texas

642.7 Acres Scale: 1" = 1000'