

API No. <u>42-389-38227</u> Drilling Permit # <u>851388</u> SWR Exception Case/Docket No. _____		<b>RAILROAD COMMISSION OF TEXAS</b> <b>OIL &amp; GAS DIVISION</b> <b>APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER</b> <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>				<b>FORM W-1</b> 07/2004 Permit Status: <b>Approved</b>	
1. RRC Operator No. <div style="text-align: center;">027200</div>		2. Operator's Name (as shown on form P-5, Organization Report) <div style="text-align: center;">APACHE CORPORATION</div>			3. Operator Address (include street, city, state, zip): <div style="text-align: center;">ATTN REGULATORY STE 3000 303 VETERANS AIRPARK LN MIDLAND, TX 79705-0000</div>		
4. Lease Name <div style="text-align: center;">CREE STATE UNIT</div>			5. Well No. <div style="text-align: center;">102BH</div>				
<b>GENERAL INFORMATION</b>							
6. Purpose of filing (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input checked="" type="checkbox"/> New Drill</span> <span><input type="checkbox"/> Recompletion</span> <span><input type="checkbox"/> Reclass</span> <span><input type="checkbox"/> Field Transfer</span> <span><input type="checkbox"/> Re-Enter</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="checkbox"/> Amended</span> <span><input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)</span> </div>							
7. Wellbore Profile (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="checkbox"/> Vertical</span> <span><input checked="" type="checkbox"/> Horizontal (Also File Form W-1H)</span> <span><input type="checkbox"/> Directional (Also File Form W-1D)</span> <span><input type="checkbox"/> Sidetrack</span> </div>							
8. Total Depth <div style="text-align: center;">16000</div>		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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>SURFACE LOCATION AND ACREAGE INFORMATION</b>							
11. RRC District No. <div style="text-align: center;">08</div>		12. County <div style="text-align: center;">REEVES</div>		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>9.3</u> miles in a <u>N</u> direction from <u>Balmorhea</u> which is the nearest town in the county of the well site.							
15. Section <div style="text-align: center;">4</div>	16. Block <div style="text-align: center;">55</div>	17. Survey <div style="text-align: center;">T&amp;P RR CO/WELCH, W</div>		18. Abstract No. <div style="text-align: center;">A-5890</div>	19. Distance to nearest lease line: <div style="text-align: center;">100 ft.</div>	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <u>1003.08</u>	
21. Lease Perpendiculars: <u>270</u> ft from the <u>SOUTH</u> line and <u>450</u> ft from the <u>WEST</u> line. 22. Survey Perpendiculars: <u>270</u> ft from the <u>SOUTH</u> line and <u>450</u> ft from the <u>WEST</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				
<b>FIELD INFORMATION</b> 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	31. Distance to Nearest Well in this Reservoir	
08	01942500	ALPINE HIGH (CONS)		Oil or Gas Well	16000	545.00	
<b>BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)</b>							
<b>Remarks</b> See W1 Comments attached				<b>Certificate:</b> I certify that information stated in this application is true and complete, to the best of my knowledge.  <div style="display: flex; justify-content: space-between;"> <div> <u>Roger Motley</u>            Name of filer         </div> <div> <u>Mar 25, 2019</u>            Date submitted         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>(210)4475693</u>            Phone         </div> <div> <u>sa.regulatory@apachecorp.com</u>            E-mail Address (OPTIONAL)         </div> </div>			
<b>RRC Use Only</b> Data Validation Time Stamp: Mar 25, 2019 12:24 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**

**Form W-1H** 07/2004  
**Supplemental Horizontal Well Information**

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

*This facsimile W-1 was generated electronically from data submitted to the RRC.  
 A certification of the automated data is available in the RRC's Austin office.*

Permit #	851388
Approved Date:	Mar 25, 2019

1. RRC Operator No. 027200	2. Operator's Name (exactly as shown on form P-5, Organization Report) APACHE CORPORATION	3. Lease Name CREE STATE UNIT	4. Well No. 102BH
-------------------------------	--	----------------------------------	----------------------

**Lateral Drainhole Location Information**

5. Field as shown on Form W-1	ALPINE HIGH (CONS) (Field # 01942500, RRC District 08)
-------------------------------	--

6. Section 44	7. Block 55 T7S	8. Survey T&P RR CO/RICHARDSON, R F	9. Abstract 2425	10. County of BHL REEVES
------------------	--------------------	--	---------------------	-----------------------------

11. Terminus Lease Line Perpendiculars 12. Terminus Survey Line Perpendiculars 13. Penetration Point Lease Line Perpendiculars	50 ft. from the North line. and 970 ft. from the West line			
	2827 ft. from the South line. and 970 ft. from the West line			
	100 ft. from the South line. and 970 ft. from the West line			

Permit Status: **Approved**

*The RRC has not approved this application.  
Duplication or distribution of information is at  
the user's own risk.*

**RAILROAD COMMISSION OF TEXAS  
OIL & GAS DIVISION**

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

*This facsimile W-1 was generated electronically from data submitted to the RRC.  
A certification of the automated data is available in the RRC's Austin office.*

**W-1 Comments**

Permit # **851388**

Approved Date: **Mar 25, 2019**

[FILER Mar 21, 2019 4:02 PM]: Expedited Permit submitted with plat showing NPZ for unleased interest in Tract 3.; [RRC STAFF Mar 25, 2019 10:11 AM]: Filer comment: The surface hole is located in Tract 1 of the Unit. The surface hole is located in Tract 1 of the Unit. The Terminus Point and the Last Take Point footage calls for the Survey and the Lease Lines are measured from Section 44, Block 55, Township 7, Texas and Pacific Railroad Company Survey, Abstract 2425, Reeves County, Texas. The Penetration Point and the First Take Point footage calls for the Survey and the Lease Lines are measured from Section 4, Block 55, Township 8, Texas and Pacific Railroad Company Survey, Abstract 2425, Reeves County, Texas.; [RRC STAFF Mar 25, 2019 10:19 AM]: BHL Abstract # corrected per plat / GIS.; [RRC STAFF Mar 25, 2019 11:08 AM]: Changed surface hole survey information to reflect plat and RRC GIS.

NEW DRILL  
LOCATION WELL NO. 102BH  
270' FSL x 450' FWL Section 4, Blk. 55,  
T-8, T.&P. R.R. CO. Survey,  
Reeves, Co. WELL DATA - NAD 27, TX(C)  
X= 928548.76'; Y= 545840.41'  
Lat.= 31°07'19.83"; Long.= -103°45'29.15"  
Lat.= 31.1221752°; Long.= -103.7580961°  
Ground Elevation: 3054.1'  
Approx. 9.3 miles North of Balmorhea, TX

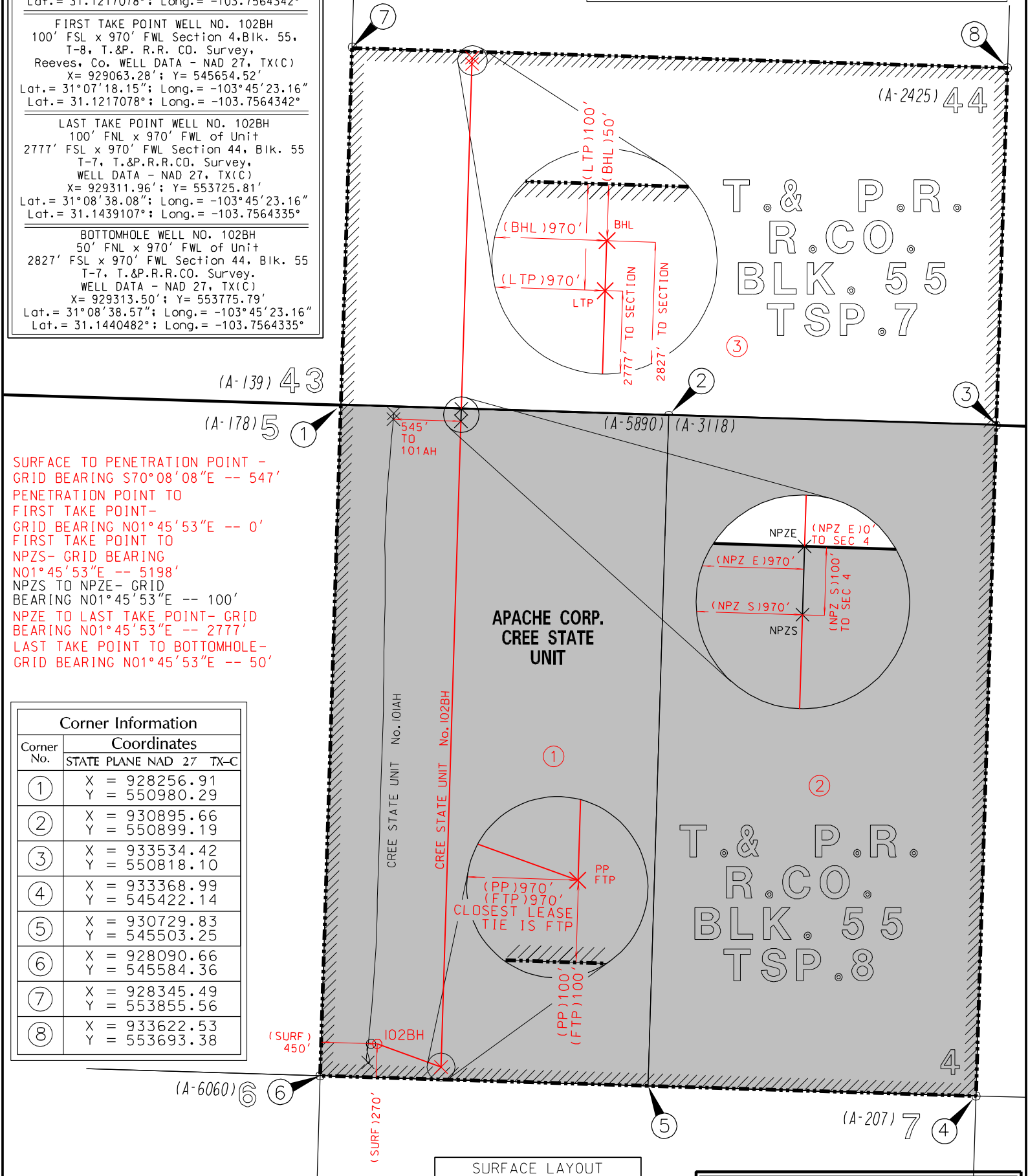
PENETRATION POINT WELL NO. 102BH  
100' FSL x 970' FWL Section 4, Blk. 55,  
T-8, T.&P. R.R. CO. Survey,  
Reeves, Co. WELL DATA - NAD 27, TX(C)  
X= 929063.28'; Y= 545654.52'  
Lat.= 31°07'18.15"; Long.= -103°45'23.16"  
Lat.= 31.1217078°; Long.= -103.7564342°

FIRST TAKE POINT WELL NO. 102BH  
100' FSL x 970' FWL Section 4, Blk. 55,  
T-8, T.&P. R.R. CO. Survey,  
Reeves, Co. WELL DATA - NAD 27, TX(C)  
X= 929063.28'; Y= 545654.52'  
Lat.= 31°07'18.15"; Long.= -103°45'23.16"  
Lat.= 31.1217078°; Long.= -103.7564342°

LAST TAKE POINT WELL NO. 102BH  
100' FSL x 970' FWL of Unit  
2777' FSL x 970' FWL Section 44, Blk. 55  
T-7, T.&P. R.R. CO. Survey,  
WELL DATA - NAD 27, TX(C)  
X= 929311.96'; Y= 553725.81'  
Lat.= 31°08'38.08"; Long.= -103°45'23.16"  
Lat.= 31.1439107°; Long.= -103.7564335°

BOTTOMHOLE WELL NO. 102BH  
50' FSL x 970' FWL of Unit  
2827' FSL x 970' FWL Section 44, Blk. 55  
T-7, T.&P. R.R. CO. Survey,  
WELL DATA - NAD 27, TX(C)  
X= 929313.50'; Y= 553775.79'  
Lat.= 31°08'38.57"; Long.= -103°45'23.16"  
Lat.= 31.1440482°; Long.= -103.7564335°

CREE STATE UNIT				
TRACT	ACREAGE IN UNIT	LESSOR INFO	LEASE No.	MF No.
①	327.205	STATE OF TEXAS BY ITS AGENT, REEVES COUNTY MINERALS, LP	1700167	117809
②	327.205	STATE OF TEXAS BY ITS AGENT, MOORE CAPITAL LTD LP, et al	1700207A	118049
③	348.67	University of Texas Development Corp., et al		
1003.08 ACRE UNIT				



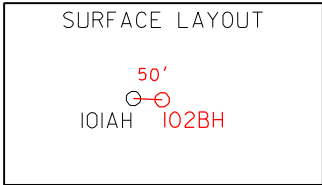
SURFACE TO PENETRATION POINT -  
GRID BEARING S70°08'08"E -- 547'  
PENETRATION POINT TO  
FIRST TAKE POINT-  
GRID BEARING N01°45'53"E -- 0'  
FIRST TAKE POINT TO  
NPZS- GRID BEARING  
N01°45'53"E -- 5198'  
NPZS TO NPZE- GRID  
BEARING N01°45'53"E -- 100'  
NPZE TO LAST TAKE POINT- GRID  
BEARING N01°45'53"E -- 2777'  
LAST TAKE POINT TO BOTTOMHOLE-  
GRID BEARING N01°45'53"E -- 50'

Corner Information		
Corner No.	Coordinates	
	STATE PLANE NAD 27	TX-C
①	X = 928256.91 Y = 550980.29	
②	X = 930895.66 Y = 550899.19	
③	X = 933534.42 Y = 550818.10	
④	X = 933368.99 Y = 545422.14	
⑤	X = 930729.83 Y = 545503.25	
⑥	X = 928090.66 Y = 545584.36	
⑦	X = 928345.49 Y = 553855.56	
⑧	X = 933622.53 Y = 553693.38	

TOTAL UNIT AC. = 1003.08 AC.  
UNIT BOUNDARY -----  
PRODUCING WELL - - ● ⚙  
WELL LOCATIONS - - ○ ◎

I, DENNIS W. HUGHES hereby certify that this plat,  
drawn to the scale indicated, accurately represents  
conditions as they actually exist on the property  
on which permit to drill is sought and correctly  
reflects all pertinent data required to be shown on  
such plat by orders of the Railroad Commission of Texas.

Date: 3-20-2019



SCALE IN FEET  
SCALE: 1" = 1000'

REVISED DATE:	
2-28-19	
2-28-19	
3-12-19	

New Drill

**CREE STATE UNIT  
No. 102BH**

Reeves County, Texas

Scale: 1" = 1000' 3/20/2019 cree\_state.dgn  
Plat prepared by MEH  
for Horizon Survey, Inc.