

API No. <u>42-475-34494</u>	RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION				FORM W-1 07/2004	
Drilling Permit # <u>847137</u>	APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER				Permit Status: Approved	
SWR Exception Case/Docket No. _____		<i>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.</i>				
1. RRC Operator No. 124828	2. Operator's Name (as shown on form P-5, Organization Report) CALLON PETROLEUM OPERATING CO			3. Operator Address (include street, city, state, zip): PO BOX 1287 NATCHEZ, MS 39121-0000		
4. Lease Name WARWINK UNIVERSITY 18-34 'B'			5. Well No. 2H			
GENERAL INFORMATION						
6. Purpose of filing (mark ALL appropriate boxes): <input type="checkbox"/> New Drill <input type="checkbox"/> Recompletion <input type="checkbox"/> Reclass <input checked="" 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 11519		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 WARD		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>6.08</u> miles in a <u>SW</u> direction from <u>Pyote</u> which is the nearest town in the county of the well site.						
15. Section 34	16. Block 18	17. Survey UL		18. Abstract No. A-U113	19. Distance to nearest lease line: 657 ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: 320.96
21. Lease Perpendiculars: <u>1979</u> ft from the <u>SOUTH</u> line and <u>660</u> ft from the <u>EAST</u> line.			22. Survey Perpendiculars: <u>1979</u> ft from the <u>SOUTH</u> line and <u>660</u> ft from the <u>EAST</u> line.			
23. Is this a pooled unit? <input type="checkbox"/> Yes <input checked="" 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	31. Distance to Nearest Well in this Reservoir
08	71052900	PHANTOM (WOLFCAMP)		Oil or Gas Well	11519	570.00
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)						
Remarks See W1 Comments attached				Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. Ryan Emery, Regulatory Compliance Specialist Name of filer <u>Nov 27, 2018</u> Date submitted <u>(281)5895200</u> <u>remery@callon.com</u> Phone E-mail Address (OPTIONAL)		
RRC Use Only Data Validation Time Stamp: Nov 30, 2018 5:13 PM('As Approved' Version)						

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

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

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

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

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A certification of the automated data is available in the RRC's Austin office.*

Permit # **847137**
Approved Date: **Nov 30, 2018**

1. RRC Operator No. 124828	2. Operator's Name (exactly as shown on form P-5, Organization Report) CALLON PETROLEUM OPERATING CO	3. Lease Name WARWINK UNIVERSITY 18-34 'B'	4. Well No. 2H
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Lateral Drainhole Location Information

5. Field as shown on Form W-1 **PHANTOM (WOLFCAMP) (Field # 71052900, RRC District 08)**

6. Section 34	7. Block 18	8. Survey UL / A-U113	9. Abstract	10. County of BHL WARD
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11. Terminus Lease Line Perpendiculars 672 ft. from the South line. and 688 ft. from the East line
12. Terminus Survey Line Perpendiculars 672 ft. from the South line. and 688 ft. from the East line
13. Penetration Point Lease Line Perpendiculars 1979 ft. from the South line. and 660 ft. from the East line

Permit Status: **Approved**

*The RRC has not approved this application.
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the user's own risk.*

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

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

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A certification of the automated data is available in the RRC's Austin office.*

W-1 Comments

Permit # **847137**

Approved Date: **Nov 30, 2018**

[RRC STAFF Nov 28, 2018 10:24 AM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Nov 29, 2018 9:08 AM]: Problems identified with this permit are resolved. P16 confirmed as official name. W1 and Plat have been revised per email with operator.; [RRC STAFF Nov 29, 2018 10:05 AM]: Well count corrected to 3. This is the second field transfer filed for Callon, in this acreage. Cimarex also has a well in this field and acreage, which is why the count is 3. The P-16 shows all wells that are being field transferred. The well count is sequential, it is not cumulative.; [RRC STAFF Nov 29, 2018 10:07 AM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Nov 30, 2018 4:12 PM]: Problems identified with this permit are resolved.; [RRC STAFF Nov 30, 2018 4:48 PM]: Ryan Emery has advised that API#: 475-37258 has been acquired by Callon, from Cimarex. Well compliance is not able to transfer the lease to Callon until these field transfer permits have been approved. At the time of the WRO filing, the acreage assigned to 475-37258 will be adjusted so that there is no over-assignment on this lease.

**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION
SWR #13 Formation Data**

WARD (475) County

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
RUSTLER	1,700	1,700		1	12/17/2013
YATES	2,000	2,800		2	12/17/2013
SEVEN RIVERS	2,375	2,375		3	12/17/2013
QUEEN	2,200	3,200		4	12/17/2013
GLORIETA	3,900	4,000		5	12/17/2013
SAN ANDRES	2,000	4,500	high flows, H2S, corrosive	6	12/17/2013
HOLT	4,600	4,800		7	12/17/2013
CLEARFORK	4,500	5,000		8	12/17/2013
DELAWARE	2,300	5,000		9	12/17/2013
TUBB	4,600	5,300		10	12/17/2013
WICHITA ALBANY	6,000	6,200		11	12/17/2013
CHERRY CANYON	4,800	7,800		12	12/17/2013
WADDELL	7,600	9,700		13	12/17/2013
BONE SPRINGS	4,700	9,800		14	12/17/2013
WOLFCAMP	6,000	12,750		15	12/17/2013
MONTOYA	14,500	14,500		16	12/17/2013
PENNSYLVANIAN	7,500	14,900		17	12/17/2013
ATOKA	12,000	15,000		18	12/17/2013
FUSSELMAN	6,400	17,500		19	12/17/2013
DEVONIAN	6,200	17,800		20	12/17/2013
ELLENBURGER	7,900	20,800		21	12/17/2013

The above list may not be all inclusive, and may also include formations that do not intersect all wellbores. Formation "TOP" information listed reflects an estimated range based on geologic variances across the county. To clarify, the "Deep Top" is not the bottom of the formation; it is the deepest depth at which the "TOP" of the formation has been or might be encountered. This is a dynamic list subject to updates and revisions. It is the operator's responsibility to make sure that at the time of spudding the well the most current list is being referenced. Refer to the RRC website at the following address for the most recent information.
<http://www.rrc.texas.gov/oil-gas/compliance-enforcement/rule-13-geologic-formation-info>

CHRISTI CRADDICK, CHAIRMAN
RYAN SITTON, COMMISSIONER
WAYNE CHRISTIAN, COMMISSIONER



DANNY SORRELLS
DIRECTOR, OIL AND GAS DIVISION
LESLIE SAVAGE
ASSISTANT DIRECTOR, TECHNICAL PERMITTING

RAILROAD COMMISSION OF TEXAS

OIL AND GAS DIVISION

November 15, 2018

CALLON PETROLEUM OPERATING CO
ATTN: REGULATORY DEPARTMENT
PO BOX 1287
NATCHEZ MS 39121

RE: WAR-WINK UNIVERSITY 18-34 "B" — WELL NO. 2H
WARD COUNTY, DISTRICT 08, TEXAS
API NO. 475-34494
LEASE/ID NO. 35475
PRODUCING INTERVAL: 11104' – 12549'

Dear Operator:

The Commission has approved your request to transfer the above-referenced well from the WAR-WINK, W. (WOLFCAMP) (95130900) field to the PHANTOM (WOLFCAMP) (71052900) field.

Please file Forms G-1/W-2, P-4, and W-1 (if not already done) for the well with the new field name indicating the transfer comments in the remarks section. If the previous completion report associated with lease/ID no. 35475 showed perforations, mark "field transfer" in item #6 of the Form W-1. If this completion report did not show perforations, mark "recompletion" instead. If the well is not on the proration schedule in either field, mark "amended." Contact the district 08 proration analyst, if you have any questions or to determine if a Form P-15 with plat is required.

Sincerely,

A handwritten signature in blue ink that reads "Matt Faubel".

Matt Faubel

DISTRICT:	08
LEASE/ID NO.:	35475
WELL NO.:	2H
API NO.:	475-34494
FIELD NAME:	WAR-WINK, W. (WOLFCAMP)
FIELD NO.:	95130900



RAILROAD COMMISSION OF TEXAS

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Form P-16

Page 1

Rev. 01/2016

Acreage Designation

SECTION I. OPERATOR INFORMATION

Operator Name: Callon Petroleum Operating Co. Operator P-5 No.: 124828
Operator Address: P.O. Box 1287, Natchez, MS, 39121

SECTION II. WELL INFORMATION

District No.: 08 County: Ward Purpose of Filing:
Well No.: 2H API No.: 42-475-34494 [X] Drilling Permit Application (Form W-1)
Total Lease Acres: 320.96 Drilling Permit No.: 627379 [] Completion Report (Form G-1/W-2)
Lease Name: Warwink University 18-34 'B' Lease No.: 35475
Field Name: Phantom (Wolcamp) Field No.: 71052900

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below.

SECTION III. LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER

Table with 8 columns: RRC ID No. or Lease No., Well No., H-Horizontal D-Directional V-Vertical, Lease Name, API No., Acres Assigned, SWR 38 Exempt. (Y/N), Operator Name and Operator No. (if different from filing operator)

Summary table for well counts and acreage: Total Well Count > 5, 320.96, 0, 80.00, 240.96. A. Total Assigned Horiz. Acreage, Total Remaining Horiz. Acreage, B. Total Assigned Vert./Dir. Acreage, Total Remaining Vert./Dir. Acreage, C. Total Assigned Acreage, Total Remaining Acreage.

SECTION IV. REMARKS / PURPOSE OF FILING (see instructions)

Empty box for remarks or purpose of filing.

Attach Additional Pages As Needed. [] No additional pages [] Additional Pages: ____ (No. of additional pages)

CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that this report was prepared by me or under my supervision or direction, that I am authorized to make this report, and that the information contained in this report is true, correct, and complete to the best of my knowledge.

Signature: Ryan Emery; Regulatory Compliance Specialist
Name and title (type or print): Ryan Emery; Regulatory Compliance Specialist
Email (include email address only if you affirmatively consent to its public release):
P.O. Box 1287 Natchez, MS 39121 281 589-5200 11/06/2018
Address City, State, Zip Code Tel: Area Code Number Date: mo. day yr.



RAILROAD COMMISSION OF TEXAS

1701 N. Congress
 P.O. Box 12967
 Austin, Texas 78701-2967

Form P-16

Page 2

Rev. 01/2016

Acreage Designation

Filer is the owner or lessee of all or an undivided portion of the minerals under each tract listed below and has the legal right to drill on each tract traversed by the well that will have perforations or other take points open in the interval of the applied-for field(s). All tracts listed will actually be traversed by the wellbore or the filer has pooling authority or other contractual authority, such as a production sharing agreement, authorizing inclusion of the non-drillsite tract in the acreage assigned to the well.

SECTION V. LISTING OF ALL TRACTS CONTRIBUTING ACREAGE TO AN RRC DESIGNATED DRILLSITE DEVELOPMENTAL UNIT THAT IS NOT A SINGLE LEASE, POOLED UNIT, OR GROUP OF TRACTS INITIATED BY CONTRACT FOR PURPOSES OF SECONDARY RECOVERY					
RRC ID No. or Lease No.	Lease Name	Beginning Lease Acreage	Allocated Lease Acreage	Ending Lease Acreage	Operator Name and Operator No. (if different from filing operator)
Total Allocated Acreage >					< Total Lease Acreage

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

SECTION VI. LISTING OF ALL WELLS IN THE APPLIED FOR FIELD ON THE SAME ACREAGE AS THE LEASE OR POOLED UNIT DESIGNATED FOR THE TRACTS LISTED IN SECTION V BY FILER									
RRC ID No. or Lease No.	Well No.	Acres Assigned	SWR 38 Except. (Y/N)	H-Horizontal D-Directional V-Vertical	RRC ID No. or Lease No.	Well No.	Acres Assigned	SWR 38 Except. (Y/N)	H-Horizontal D-Directional V-Vertical
A. Total Wells & Acreage >					A. Total Wells & Acreage >				
B. Total Assigned Horiz. Acreage >					B. Total Assigned Horiz. Acreage >				
C. Total Assigned Vert./Dir. Acreage >					C. Total Assigned Vert./Dir. Acreage >				

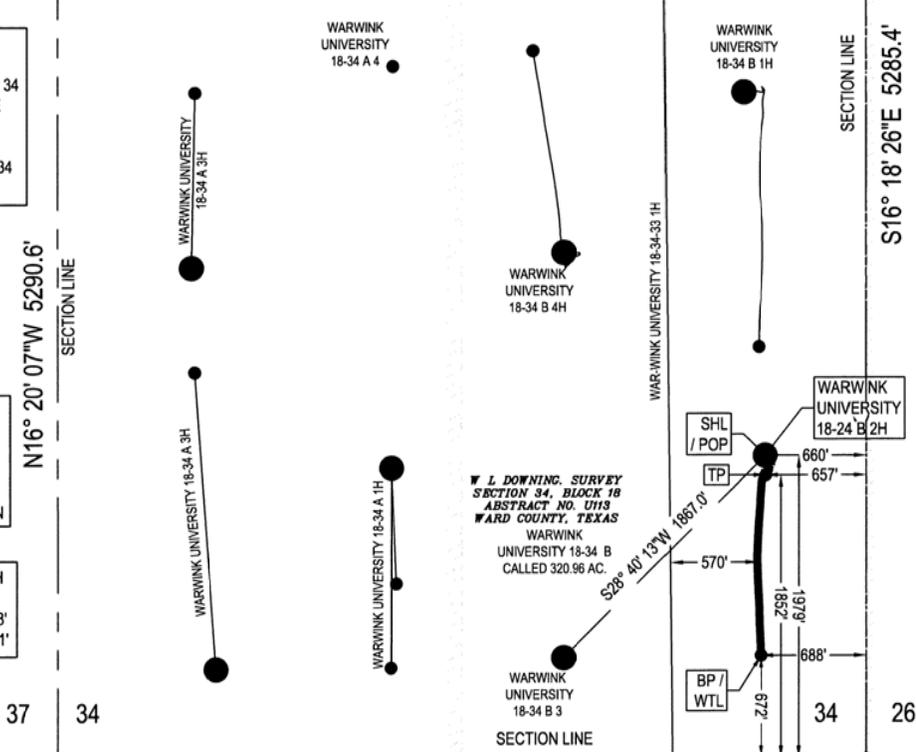
SECTION VII. REMARKS

W. L. DOWNING, SURVEY
SECTION 36, BLOCK 18
ABSTRACT NO. U116
WARD COUNTY, TEXAS

W. L. DOWNING, SURVEY
SECTION 35, BLOCK 18
ABSTRACT NO. U114
WARD COUNTY, TEXAS

W. L. DOWNING, SURVEY
SECTION 26, BLOCK 18
ABSTRACT NO. U104
WARD COUNTY, TEXAS

SECTION LINE N73° 48' 30"E 5290.9'



WARWINK UNIVERSITY 18-34 B'2H
SURFACE HOLE LOCATION
/ POINT OF PENETRATION
TX-CENTRAL 4203
NAD 27 X=1075665.90
NAD 27 Y=719367.35
NAD 27 LAT.=31°36'38.50"N
NAD 27 LONG.=103°18'10.43"W
NAD 83 X= 988755.59
NAD 83 Y=7626632.96
NAD 83 LAT.=34°33'06.64"N
NAD 83 LONG.=101°45'12.35"W
ELEV.=2818.71'

W. L. DOWNING, SURVEY
SECTION 26, BLOCK 18
ABSTRACT NO. U105
WARD COUNTY, TEXAS

WARWINK UNIVERSITY 18-34 B'2H
TOP PERFERATION
TX-CENTRAL 4203
NAD 27 X=1075704.21
NAD 27 Y=719245.64
NAD 27 LAT.=31°36'37.31"N
NAD 27 LONG.=103°18'09.95"W
NAD 83 X= 988633.52
NAD 83 Y= 7626670.12
NAD 27 LAT.= 34°33'06.97" N
NAD 27= LONG.= 101°45'13.82" W

WARWINK UNIVERSITY 18-34 B'2H
LOCATION SUMMARY
SHL/POP - 1979' FSL, 660' FEL - SECTION 34
SHL/POP - 1979' FSL, 660' FEL - LEASE
TP - 1852' FSL, 657' FEL - SECTION 34
TP - 1852' FSL, 657' FEL - LEASE
BP/ WTL - 672' FSL, 688' FEL - SECTION 34
BP/ WTL - 672' FSL, 688' FEL - LEASE

W. L. DOWNING, SURVEY
SECTION 37, BLOCK 18
ABSTRACT NO. U116
WARD COUNTY, TEXAS

KEY
SHL - SURFACE HOLE LOCATION
POP - POINT OF PENETRATION
TP - TOP PERFERATION
BP - BOTTOM PERFERATION
WTL - WELL TERMINUS LOCATION

WARWINK UNIVERSITY 18-34 B'2H
WELLBORE SUMMARY
SHL/POP TO TP - S 17°28'24" E, 128'
TP TO BP /WTL - S 14°48'59" E, 1181'

SECTION LINE N16° 20' 07"W 5290.6'

SECTION LINE S16° 18' 26"E 5285.4'

SECTION LINE S73° 45' 08"W 5288.3'

W. L. DOWNING, SURVEY
SECTION 38, BLOCK 18
ABSTRACT NO. U118
WARD COUNTY, TEXAS

W. L. DOWNING, SURVEY
SECTION 33, BLOCK 18
ABSTRACT NO. U109
WARD COUNTY, TEXAS

W. L. DOWNING, SURVEY
SECTION 27, BLOCK 18
ABSTRACT NO. U106
WARD COUNTY, TEXAS

WARWINK UNIVERSITY 18-34 B'2H
BOTTOM PERFERATION
WELL TERMINUS LOCATION
TX-CENTRAL 4203
NAD 27 X=1076006.12
NAD 27 Y=718104.25
NAD 27 LAT.=31°36'26.09"N
NAD 27 LONG.=103°18'06.11"W
NAD 83 X= 987489.31
NAD 83 Y= 7626961.18
NAD 27 LAT.= 34°33'09.49" N
NAD 27= LONG.= 101°45'27.60" W

WELL SYMBOL LEGEND

- LEASE
- OIL / GAS WELL
- GAS WELL
- DRY HOLE
- PLUGGED OIL WELL
- OIL WELL / POP WTL
- WATER SUPPLY FROM OIL
- PERMITTED LOCATION
- SHUT-IN OIL WELL
- INJECTION / DISPOSAL

- NOTES:
- BEARINGS & COORDINATES SHOWN HEREON ARE REFERENCED TO THE TEXAS STATE COORDINATE SYSTEM, NAD 83 & NAD 27 DATUM (TEXAS CENTRAL ZONE 4203)
 - LATITUDE & LONGITUDE ARE NAD 83 AND NAD 27 GEOGRAPHIC.
 - THIS IS AN AS DRILLED PLAT AND DOES NOT REPRESENT A TRUE BOUNDARY SURVEY. THIS SURVEY IS BASED ON OWNERSHIP AND EASEMENT INFORMATION PROVIDED BY CALLON PETROLEUM OPERATING COMPANY. SURVEYOR DID NOT ABSTRACT SUBJECT TRACT AND THERE MAY BE EASEMENTS OR OTHER ENCUMBRANCES THAT AFFECT THE SUBJECT TRACT THAT ARE NOT SHOWN HEREON.

I HEREBY STATE THAT THIS PLAT SHOWS THE AS DRILLED WELL LOCATION AS STAKED ON THE GROUND

Robert Glen Maloy
ROBERT GLEN MALOY
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 6028



CALLON
PETROLEUM
CALLON PETROLEUM OPERATING CO.

AS DRILL PLAT
WARWINK UNIVERSITY 18-34 B'2H WELL NO. 2H

Situated in the
W. L. DOWNING SURVEY,
SECTION 34, BLOCK 18, ABSTRACT NO. U113
WARD COUNTY, TEXAS
Said location being approximately S79°04'W, 6.08 miles from
the City of Pyote, Ward County, Texas

DRAWN BY: JAJ	FIELD DATE:	DWG. NO. 1810142	REV. 1
CHECKED BY: RGM	PLAT DATE: 11-20-18	WARWINK UNIVERSITY 18-34 B 2H	
SCALE: 1:1000	APP:		

TRANSGLOBAL SERVICES LLC

TBPLS FIRM# 10193740
1100 Macon Street
Fort Worth, Texas 76102
(817) 529-1180 ~ Fax (817) 529-1181

REV. 1	DATE 11.26.18	BY: JAJ	ACREAGE INFO UPDATED	BM
				CHK:

PROJECT NO. 1810142