

API No. <u>42-389-35110</u> Drilling Permit # <u>812528</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
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1. RRC Operator No. 092850	2. Operator's Name (as shown on form P-5, Organization Report) BRIGHAM RESOURCES OPERATING, LLC	3. Operator Address (include street, city, state, zip): 5914 W COURTYARD SUITE 200 AUSTIN, TX 78730-0000
4. Lease Name JOY 13		5. Well No. 1H

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 16000	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>28</u> miles in a <u>NW</u> direction from <u>Fort Stockton</u> which is the nearest town in the county of the well site.				
15. Section 13	16. Block C2	17. Survey PSL/LLOYD, J F	18. Abstract No. A-1242	19. Distance to nearest lease line: 300 ft.
20. Number of contiguous acres in lease, pooled unit, or unitized tract: 641				
21. Lease Perpendiculars: <u>250</u> ft from the <u>SOUTH</u> line and <u>467</u> ft from the <u>WEST</u> line.				
22. Survey Perpendiculars: <u>250</u> ft from the <u>SOUTH</u> line and <u>467</u> ft from the <u>WEST</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	32. Number of Wells on this lease in this Reservoir
08	41911500	HOEFS T-K (WOLFCAMP)	Oil Well	16000	0.00	1
08	71052900	PHANTOM (WOLFCAMP)	Oil or Gas Well	16000	0.00	1

BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)

Remarks [FILER Dec 7, 2015 9:34 AM]: Please expedite, thank you.	Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. <div style="text-align: right;"> <u>Dakota Macksood</u> <u>Dec 08, 2015</u> Name of filer Date submitted </div> <div style="text-align: right; margin-top: 10px;"> <u>(512)2201200</u> <u>dmacksood@brighamresources.net</u> Phone E-mail Address (OPTIONAL) </div>
RRC Use Only Data Validation Time Stamp: Dec 9, 2015 10:19 AM('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 # **812528**
Approved Date: **Dec 09, 2015**

1. RRC Operator No. 092850	2. Operator's Name (exactly as shown on form P-5, Organization Report) BRIGHAM RESOURCES OPERATING, LLC	3. Lease Name JOY 13	4. Well No. 1H
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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 13	7. Block C2	8. Survey PSL/LLOYD, J F	9. Abstract 1242	10. County of BHL REEVES
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11. Terminus Lease Line Perpendiculars 200 ft. from the North line. and 467 ft. from the West line
12. Terminus Survey Line Perpendiculars 200 ft. from the North line. and 467 ft. from the West line
13. Penetration Point Lease Line Perpendiculars 300 ft. from the South line. and 467 ft. from the West line

5. Field as shown on Form W-1 **HOEFS T-K (WOLFCAMP) (Field # 41911500, RRC District 08)**

6. Section 13	7. Block C2	8. Survey PSL/LLOYD, J F	9. Abstract 1242	10. County of BHL REEVES
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11. Terminus Lease Line Perpendiculars 200 ft. from the North line. and 467 ft. from the West line
12. Terminus Survey Line Perpendiculars 200 ft. from the North line. and 467 ft. from the West line
13. Penetration Point Lease Line Perpendiculars 300 ft. from the South line. and 467 ft. from the West line

JOY 13 1H
WELL BORE
BOTTOM HOLE LOCATION
TX-CENTRAL ZONE 4203
NAD 83 X=1410734.91
NAD 83 Y=10422165.25
NAD 83 LAT.=31°13'45.985"N
NAD 83 LONG.=103°10'04.565"W
NAD 27 X=1114269.96
NAD 27 Y=579590.42
NAD 27 LAT.=31°13'45.475"N
NAD 27 LONG.=103°10'02.973"W

NOTE:
JOY 13 1H
LOCATION BEING
N 35°44' W, 27.84 MILES FROM
FORT STOCKTON, PECOS COUNTY, TEXAS
FROM FORT STOCKTON:
HEAD NORTH ON US-285N FOR 12.2 MI.
EXIT RANCH RD 1776 AND TURN RIGHT FOR 13.0 MI.
TURN LEFT ON TIPTON FOR 5.0 MI.
TURN RIGHT AT LEASE ROAD FOR 2.0 MI.
TURN LEFT ON RANCH ROAD FOR 1.0 MI.

NAD 27
X=1113808.11
Y=579804.95

NAD 27
X=1119098.34
Y=579639.73

BLOCK C1
BLOCK C2

S 88°12'42" E 5292.88'

N 01°24'45" E 5277.66'

S 01°28'50" W 5279.46'

JOY 13 1H
WELL BORE SUMMARY
SHL TO PP/FTP=N 01°30'57" E, 49.92'
PP/FTP TO LTP=N 01°24'45" E, 4677.81'
LTP TO BHL=N 01°24'45" E, 100.00'

SECTION TIES SUMMARY
JOY 13 1H
SHL-250' FSL, 467' FWL-SECTION 13
PP/FTP-300' FSL, 467' FWL-SECTION 13
LTP-300' FNL, 467' FWL-SECTION 13
BHL-200' FNL, 467' FWL-SECTION 13

SECTION 13, BLOCK C2
PUBLIC SCHOOL LAND SURVEY
ABSTRACT NO. 1242
REEVES COUNTY, TEXAS

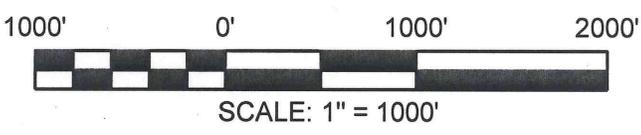
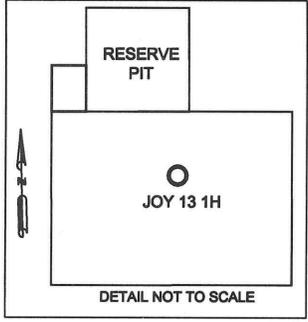
641.00 ACRES
TOTAL

ABSTRACT NO.
5089
PECOS COUNTY,
TEXAS

NAD 27
X=1113678.05
Y=574528.86

NAD 27
X=1118961.98
Y=574362.00

JOY 13 1H
WELL BORE
SURFACE HOLE LOCATION
TX-CENTRAL ZONE 4203
NAD 83 X=1410615.82
NAD 83 Y=10417338.99
NAD 83 LAT.=31°12'58.201"N
NAD 83 LONG.=103°10'04.520"W
NAD 27 X=1114150.90
NAD 27 Y=574764.14
NAD 27 LAT.=31°12'57.689"N
NAD 27 LONG.=103°10'02.927"W
ELEV.=2649.50'



NOTES:

- 1.) BEARINGS, DISTANCES & COORDINATES SHOWN HEREON ARE GRID AND REFERENCED TO THE TEXAS COORDINATE SYSTEM OF 1983 (TEXAS CENTRAL ZONE 4203) WITH A CONVERGENCE ANGLE OF -01°28'25.9" AT NGS MONUMENT "GREASE". DISTANCES ARE GRID WITH A COMBINED SCALE FACTOR OF 0.99975544.
- 2.) LATITUDE & LONGITUDE ARE NAD 83 & 27 GEOGRAPHIC.
- 3.) THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND THE REVIEW OF THE ABSTRACT OF TITLE. THERE MAY BE EASEMENTS AND/OR COVENANTS AFFECTING THIS PROPERTY AND HAVE BEEN SPECIFICALLY OMITTED. VESTING DOCUMENTS NOT FURNISHED FOR THIS SURVEY.

Handwritten signature and date:
Timothy A. Nold
11/30/2015



**WELL LOCATION STAKING PLAT
JOY 13 1H**

Situated in
SECTION 13, BLOCK C2
PUBLIC SCHOOL LAND SURVEY
ABSTRACT NO. 1242
REEVES COUNTY, TEXAS

REV.	DATE	BY:	DESCRIPTION	CHK

PROJECT NO. 1511024



8205 Camp Bowie West, Suite 204
Fort Worth, Texas 76116
(817) 529-1180 ~ Fax (817) 529-1181
TBPLS FIRM # 10193740

DRAWN BY: ST	DATE: 11-23-15	DWG. NO.	REV.
CHECKED BY: TAN	DATE: 11-23-15	1511024 JOY 13 1H RRC PERMIT PLAT	0
SCALE: 1"=1000'	APP.:	PAGE 1 OF 1	