

API No. <u>42-389-35117</u> Drilling Permit # <u>812822</u> SWR Exception Case/Docket No. <u>0299246</u> (R37)		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. <u>020528</u>		2. Operator's Name (as shown on form P-5, Organization Report) ANADARKO E&P ONSHORE LLC		3. Operator Address (include street, city, state, zip): ATTN FRANK A. DAVIS PO BOX 1330 HOUSTON, TX 77251-1330			
4. Lease Name CRAVEN UNIT 3-8		5. Well No. <u>1H</u>					
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 <u>13000</u>		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			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. <u>08</u>		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>14.3</u> miles in a <u>NW</u> direction from <u>PECOS</u> which is the nearest town in the county of the well site.							
15. Section <u>8</u>	16. Block <u>3</u>	17. Survey H&GN RR CO/CAMP, K		18. Abstract No. <u>A-5466</u>	19. Distance to nearest lease line: <u>1</u> ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <u>678.6</u>	
21. Lease Perpendiculars: <u>682</u> ft from the <u>NW</u> line and <u>330</u> ft from the <u>SW</u> line.							
22. Survey Perpendiculars: <u>467</u> ft from the <u>SE</u> line and <u>6882</u> ft from the <u>SW</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	31. Distance to Nearest Well in this Reservoir	
<u>08</u>	<u>71052900</u>	PHANTOM (WOLFCAMP)		Oil or Gas Well	<u>13000</u>	<u>0.00</u>	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks [FILER Dec 18, 2015 2:45 PM]: SWR 37 ILL. SERVICE LIST WAS CREATED ONLINE AND ADDITIONAL SERVICE LIST IS ATTACHED.; [RRC STAFF Dec 18, 2015 3:49 PM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Dec 21, 2015 2:42 PM]: Problems identified with this permit are resolved.; [RRC STAFF Dec 21, 2015 2:43 PM]: Cari Vaughn verified the information on the plat as being correct.				Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. <div style="text-align: center;"> Carla Ghazizadeh, Staff Regulatory Analyst </div> <div style="display: flex; justify-content: space-between;"> <div> <u>Name of filer</u> <u>(832)636-3315</u> Phone </div> <div> <u>Dec 18, 2015</u> <u>carla.ghazizadeh@anadarko.com</u> Date submitted E-mail Address (OPTIONAL) </div> </div>			
RRC Use Only							
Data Validation Time Stamp: Jan 13, 2016 10:07 AM('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 #	812822
Approved Date:	Jan 13, 2016

1. RRC Operator No. 020528	2. Operator's Name (exactly as shown on form P-5, Organization Report) ANADARKO E&P ONSHORE LLC	3. Lease Name CRAVEN UNIT 3-8	4. Well No. 1H
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 PHANTOM (WOLFCAMP) (Field # 71052900, RRC District 08)			
6. Section 9	7. Block 3	8. Survey H&GN RR CO	9. Abstract 43
10. County of BHL REEVES			
11. Terminus Lease Line Perpendiculars 60 ft. from the NE line. and 2359 ft. from the SE line			
12. Terminus Survey Line Perpendiculars 60 ft. from the NE line. and 2359 ft. from the SE line			
13. Penetration Point Lease Line Perpendiculars 682 ft. from the NW line. and 330 ft. from the SW line			

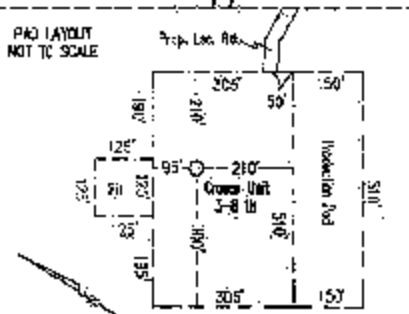
"GRAVEN UNIT 3-8" 1H SURFACE
LOCATION & POINT OF PENETRATION
NAD 27 TX-CENTRAL ZONE 4203
NAD 27 X=890,858.60
NAD 27 Y=725,643.83
NAD 27 LAT=31°37'17.62"
NAD 27 LONG=103°34'32.856"
NAD 27 LAT=31°37'17.62"
NAD 27 LONG=103°34'32.856"
NAD 83(2011) X=1,287,322.49
NAD 83(2011) Y=10,568,219.90
NAD 83 LAT=31°37'17.631"
NAD 83 LONG=103°34'34.500"
NAD 83 LAT=31°37'17.631"
NAD 83 LONG=103°34'34.500"
SL-467 FSL, 6882 FWL-SECTION 8
E.L.S. 28/5/2011

"GRAVEN UNIT 3-8" 1H
TOP TAKE POINT
NAD 27 TX-CENTRAL ZONE 4203
NAD 27 X=891,324.55
NAD 27 Y=725,899.96
NAD 27 LAT=31°37'19.888"
NAD 27 LONG=103°34'25.243"
NAD 27 LAT=31°37'19.888"
NAD 27 LONG=103°34'25.243"
NAD 83(2011) X=1,287,322.49
NAD 83(2011) Y=10,568,219.90
NAD 83 LAT=31°37'20.357"
NAD 83 LONG=103°34'26.887"
NAD 83 LAT=31°37'20.357"
NAD 83 LONG=103°34'26.887"
NAD 83 LAT=31°37'20.357"
NAD 83 LONG=103°34'26.887"
TTE-338 FSL, 7582 FWL-SECTION 8

"GRAVEN UNIT 3-8" 1H
BOTTOM TAKE POINT
NAD 27 TX-CENTRAL ZONE 4203
NAD 27 X=897,753.22
NAD 27 Y=729,808.10
NAD 27 LAT=31°38'00.340"
NAD 27 LONG=103°33'14.544"
NAD 27 LAT=31°38'00.340"
NAD 27 LONG=103°33'14.544"
NAD 83(2011) X=1,294,217.18
NAD 83(2011) Y=10,572,584.25
NAD 83 LAT=31°38'00.309"
NAD 83 LONG=103°33'16.186"
NAD 83 LAT=31°38'00.309"
NAD 83 LONG=103°33'16.186"
BTP-200' FEL, 2359' FSL-SECTION 9

"GRAVEN UNIT 3-8" 1H
BOTTOM HOLE LOCATION
NAD 27 TX-CENTRAL ZONE 4203
NAD 27 X=997,871.81
NAD 27 Y=728,682.51
NAD 27 LAT=31°38'01.319"
NAD 27 LONG=103°33'13.198"
NAD 27 LAT=31°38'01.319"
NAD 27 LONG=103°33'13.198"
NAD 83(2011) X=1,294,335.77
NAD 83(2011) Y=10,572,458.68
NAD 83 LAT=31°38'01.580"
NAD 83 LONG=103°33'14.839"
NAD 83 LAT=31°38'01.580"
NAD 83 LONG=103°33'14.839"
BHL-60' FEL, 2359' FSL-SECTION 9

BLOCK 33
A-890
(FILE: 3292)



BLOCK 3, SEC 8
H&G.N.R.R. CO.
A-5485
(FILE: 149531)

BLOCK 3, SEC 8
H&G.N.R.R. CO.
A-5486
(FILE: 149530)

BLOCK 3, SECTION 9
H&G.N.R.R. CO.
A-43
(FILE: 2880)

PROPOSED BORE SUMMARY
"GRAVEN UNIT 3-8" 1H WELL
SL TO TTP=N68°37'48"E-713.53'
SL TO BTP=N58°52'06"E-8054.73'
SL TO BHL=N58°51'06"E-8194.71'
TTP TO BTP=N57°53'38"E-7353.31'
BTP TO BHL=N57°53'38"E-140.00'

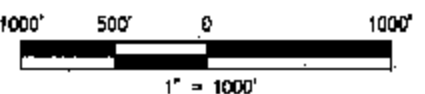
"GRAVEN UNIT 3-8"
678.6 ACRES



FOR THE EXCLUSIVE USE OF
ANADARKO E&P ONSHORE LLC
STATE OF TEXAS - - - COUNTY OF SMITH
I, Connor G. Brown, Registered Professional Land
Surveyor, do hereby certify the above plat to be
true and correct to the best of my knowledge.
Date: July 9, 2015 Tyler, Texas
E.L.S. SURVEYING & MAPPING, INC.
HARRY L. JOHNSON & ASSOCIATES

12-18-2015
Registered Professional Land Surveyor No. 6366
Location is shown from tract lines as evidenced by occupation,
information obtained from the General Land Office and provided
deed records. Distances shown are not intended to be definitive
in establishing actual title boundaries. The deed data, tract acreages
and well data shown herein was furnished by others. This is not
a title survey. Existing documents may not have been provided.
Bearings are based on the Texas State Plane Coordinate
System, NAD 83 (2011) (Central Zone) derived from GPS observations.

PROPOSED STAKING [X] AS-DRILLED
APE#2:11597.PDE, ID 5177 Surface location is
approximately 14.3 miles NW of Pecos, Tx.
"SAND LAKE" Quadrangle
DATE SURVEYED: 06/26/2013
WELL LOCATION PLAT
ANADARKO E&P ONSHORE LLC
GRAVEN UNIT 3-8 1H WELL
H&G.N.R.R. CO. SURVEY, A-5466
H&G.N.R.R. CO. SURVEY, A-43
REEVES COUNTY, TEXAS



From the Office of E.L.S. Surveying & Mapping, Inc.
Harry L. Johnson & Associates - Tyler, Texas
2004 W. Grande Blvd. / 903-561-7759