

## RAILROAD COMMISSION OF TEXAS

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Tracking No.: 24848

Status: Submitted

Oil and Gas Division

API No. 42- 395-31753

7. RRC District No.

05

8. RRC Gas ID No.

Gas Well Back Pressure Test,  
Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat) <b>WILDCAT</b>		2. LEASE NAME <b>HOYT GAS UNIT</b>		9. Well No. <b>2H</b>	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) <b>ENCANA OIL &amp; GAS(USA) INC.</b>		RRC Operator No. <b>251691</b>		10. County of well site <b>ROBERTSON</b>	
4. ADDRESS <b>ATTN SHARON COOK 14001 N DALLAS PKWY STE 1000 DALLAS, TX 75240-0000</b>				11. Purpose of filing Initial Potential <input checked="" type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> Well record only (Explain in remarks) <input type="checkbox"/>	
5. Location (Section, Block, and Survey) <b>MENDEZ, V , A-382</b>		5b. Distance and direction to nearest town in this county. <b>6.9 MILES N DIRECTION FROM FRANKLIN</b>			
6. If operator has changed within last 60 days, name former operator					
12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no. <b>FIELD &amp; RESERVOIR</b>			GAS ID or OIL LEASE #		Oil-0 Gas-G
N/A					Well #

13. Pipe Line Connection <b>ENCANA OIL &amp; GAS (USA) INC.</b>		15. Any condensate on hand at time of workover or recompletion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		16. Type of Electric or other Log Run. <b>Gamma Ray (MWD)</b>	
14. Completion or recompletion date <b>01/21/2011</b>					

Section I GAS MEASUREMENT DATA											
Date of Test <b>04/17/2011</b>		Gas Measurement Method (Check One) Orifice Meter <input checked="" type="checkbox"/> Flange Taps <input type="checkbox"/> Pipe Taps <input type="checkbox"/> Positive Choke <input type="checkbox"/> Orifice Vent Meter <input type="checkbox"/> Pitot Tube <input type="checkbox"/> Critical-flow Prover <input type="checkbox"/>						Gas produced during test <b>28584</b> MCF			
Run Size	Line Size	Orif. or Choke Size	24 hr Coeff. Orif. or Choke	Static Pm or Choke Press	Diff h <sub>w</sub>	Flow Temp. ° F	Temp. Factor F <sub>tf</sub>	Gravity Factor F <sub>g</sub>	Compress Factor F <sub>pv</sub>	Volume MCF/DAY	
1	4.033	2.75	54417.41	933.1	32.61	114.7	0.9512	0.9992	1.056	9528.0	
2											
3											
4											

Section II FIELD DATA AND PRESSURE CALCULATIONS											
Gravity (Dry Gas) <b>0.601</b>		Gravity Liquid Hydrocarbon Deg. API		Gas-Liquid Hydro Ratio CF/Bbl		Gravity of Mixture G <sub>mix</sub> =		Avg. Shut-in Temp. <b>264.0</b> ° F		Bottom Hole Temp. <b>353.0</b> ° F @ <b>15918.0</b> (Depth)	
$D_{eff}^{8/3} =$		$\sqrt{T_f} = \sqrt{\quad} =$		$\sqrt{GL} = \sqrt{\quad} =$							
$C = \frac{1118 \times (D_{eff})^{8/3}}{\sqrt{T}} =$		$=$		$\frac{\sqrt{GL}}{C} =$		$=$					
Run No.	Time of Run Min	Choke Size	Wellhead Press. PSIA P <sub>w</sub>	Wellhead Flow Temp ° F	P <sub>w</sub> <sup>2</sup> (Thousands)	R	R <sup>2</sup> (Thousands)	P <sub>1</sub>	P <sub>w</sub> / P <sub>1</sub>		
Shut-in			10800	264.0							
1	4320	14/64	10521	169.0							
2											
3											
4											
Run No.	F	K	$S = \frac{1}{Z}$	E <sup>ks</sup>	P <sub>f</sub> and P <sub>s</sub>	P <sub>f</sub> <sup>2</sup> and P <sub>s</sub> <sup>2</sup> (Thousands)	P <sub>f</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> (Thousands)	Angle of Slope θ ..... n ..... Absolute Open Flow ..... MCF/DAY			
Shut-in					600.0						
1											
2											
3											
4											

WELL TESTERS CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test and that data and facts shown in Sections I and II above are true, correct, and complete, to the best of my knowledge. Bottomhole temperature and the diameter and length of flow string were furnished by the operator of the well.

ENCANA OIL &amp; GAS(USA) INC.(251691)

Signature: Well Tester

Name of Company

RRC Representative

OPERATORS CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that I or prepared supervised and directed this report, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

ENCANA OIL &amp; GAS(USA) INC.

Diana George

Signature: Operator's representative

Regulatory Analyst

Title

08/11/2011

Date

Tel: (214) 242-7248

A/C

Number



40. ACID, SHOT, FRACTURE, CEMENT SQUEEZE. ETC.		
Depth Interval		Amount and Kind of Material Used
20473.0	20584.0	10110 BBLS. SLICK H2O & 266500 # PROPPANT
20273.0	20415.0	8423 BBLS. SLICK H2O & 264820 # PROPPANT
20073.0	20210.0	8498 BBLS. SLICK H2O & 272180 # PROPPANT
19878.0	20012.0	7711 BBLS. SLICK H2O & 274080 # PROPPANT
19623.0	19812.0	10088 BBLS. SLICK H2O & 334880# PROPPANT
19373.0	19566.0	9217 BBLS. SLICK H2O & 327900 # PROPPANT
19130.0	19310.0	9687 BBLS. SLICK H2O & 322160 # PROPPANT
18873.0	19072.0	10399 BBLS. SLICK H2O & 321520 # PROPPANT
18630.0	18812.0	9044 BBLS. SLICK H2O & 320360 # PROPPANT
18373.0	18575.0	15985 BBLS. SLICK H2O & 499320 # PROPPANT
18123.0	18318.0	13502 BBLS. SLICK H2O & 496360 # PROPPANT
17870.0	18079.0	14046 BBLS. SLICK H2O & 463860 # PROPPANT
17623.0	17812.0	13219 BBLS. SLICK H2O & 491700 # PROPPANT
17373.0	17560.0	12517 BBLS. SLICK H2O & 491880 # PROPPANT
17123.0	17325.0	13844 BBLS. SLICK H2O & 478180 # PROPPANT
16869.0	17069.0	14305 BBLS. SLICK H2O & 471160 # PROPPANT
16620.0	16822.0	11858 BBLS. SLICK H2O & 481040 # PROPPANT
16359.0	16564.0	12156 BBLS. SLICK H2O & 442320 # PROPPANT
16112.0	16310.0	11960 BBLS. SLICK H2O & 507420 # PROPPANT
15849.0	16055.0	12220 BBLS. SLICK H2O & 493320 # PROPPANT

41. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)			
Formations	Depth	Formations	Depth
TRAVIS PEAK	9430.0 MD: 9430.0		
COTTON VALLEY	12987.0 MD: 12987.0		
BOSSIER	13186.0 MD: 13186.0		
REMARKS: PERMIT TO AMEND UNIT NAME TO HOYT-POWELL AND DISTANCE TO NEAREST WELL (HOYT-POWELL #1 WHICH IS NOT PRODUCING FROM SAME FORMATION) WITH AS DRILLED PLAT THAT CURRENTLY IS IN PERMIT DEPARTMENT IN AUSTIN.			