

RAILROAD COMMISSION OF TEXAS

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Oil and Gas Division

API No. 42- 405-30495


7. RRC District No.

06

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) ANGIE (JAMES LIME)		2. LEASE NAME GRIFFIN, R GU		9. Well No. 2H	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) DEVON ENERGY PRODUCTION CO, L.P.		RRC Operator No. 216378		10. County of well site SAN AUGUSTINE	
4. ADDRESS ATTN JEANIE MCMILLAN 1200 SMITH STREET HOUSTON, TX 77002-0000				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) MC HANKS, H , A-204		5b. Distance and direction to nearest town in this county. 4.2 MILES EAST FROM SAN AUGUSTINE			
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. FIELD & RESERVOIR				GAS ID or OIL LEASE #	
13. Pipe Line Connection SOUTHWESTERN GAS PIPELINE, INC.				Oil-0 Gas-G	
14. Completion or recompletion date 10/19/2012				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. None				Well #	

Section I GAS MEASUREMENT DATA											
Date of Test 10/29/2012		Gas Measurement Method (Check One) Orifice Meter <input checked="" type="checkbox"/>  Flange Taps <input checked="" type="checkbox"/> <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 7839 MCF			
Run Size	Line Size	Orif. or Choke Size	24 hr Coeff. Orif. or Choke	Static Pm or Choke Press	Diff h _w	Flow Temp. ° F	Temp. Factor F _{tf}	Gravity Factor F _g	Compress Factor F _{pv}	Volume MCF/DAY	
1	3.068	1.625	17526.85	522.0	48.5	97.0	0.9662	0.9281	1.045	2613.0	
2											
3											
4											

Section II FIELD DATA AND PRESSURE CALCULATIONS													
Gravity (Dry Gas) 0.697		Gravity Liquid Hydrocarbon 47.6 Deg. API		Gas-Liquid Hydro Ratio 4658 CF/Bbl		Gravity of Mixture G _{mix} = 1.189		Avg. Shut-in Temp. 184.0 ° F		Bottom Hole Temp. 269.0 ° F @ 10262.0 (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 _w	Wellhead Flow Temp ° F	P _w ² (Thousands)	R	R ² (Thousands)	P ₁	P _w / P ₁				
Shut-in	1440		1015	99.0									
1	4320	60/64	485	126.0									
2													
3													
4													
Run No.	F	K	$S = \frac{1}{Z}$	E ^{ks}	P _f and P _s	P _f ² and P _s ² (Thousands)	P _f ² - P _s ² (Thousands)	Angle of Slope					
Shut-in								θ					
1								n					
2								Absolute Open Flow					
3							 MCF/DAY					
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.

TOMMY LAWHORN

SPL, INC.

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.

DEVON ENERGY PRODUCTION CO, L.P.

David Stanley

Signature: Operator's representative

Regulatory Advisor

Title

12/19/2012

Date

Tel: (903) 323-5420

A/C

Number

SECTION III										DATA ON WELL COMPLETION AND LOG (Not Required on Retest)									
17. Type of Completion New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>										18. Permit to Drill, Plug Back or Deepen DATE 05/04/2012 PERMIT NO. 738830 Rule 37 Exception <input type="checkbox"/> CASE NO. _____ Water Injection Permit _____ PERMIT NO. _____ Salt Water Disposal Permit _____ PERMIT NO. _____ Other _____ PERMIT NO. _____									
19. Notice of Intention to Drill this well was filed in Name of DEVON ENERGY PRODUCTION CO, L.P.																			
20. Number of producing wells on this lease in this field (reservoir) including this well 1					21. Total number of acres in this lease 900.2699														
22. Date Plug Back, Deepening, Workover or Drilling Operations: 08/13/2012		Commenced 09/28/2012		Completed 0.0		23. Distance to nearest well, Same Lease & Reservoir 0.0													
24. Location of well, relative to nearest lease boundaries 488.0 Feet From West Line and 381.0 Feet from North Line of the GRIFFIN, R GU Lease																			
25. Elevation (DF. RKB, RT. GR ETC.) 358 GL										26. Was directional survey made other than inclination (Form W-12)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
27. Top of Pay 7782 MD:8284		28. Total Depth 7848 MD:12547		29. P. B. Depth		30. Surface Casing Determined by Field Rules <input type="checkbox"/> Recommendation of T.D.W.R. <input checked="" type="checkbox"/> Railroad Commission (Special) <input type="checkbox"/>		Dt. of Letter 05/22/2012											
31. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																			
32. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. FIELD & RESERVOIR										GAS ID or OIL LEASE #		Oil-0 Gas-G		Well #					
N/A																			
33. Intervals Drilled by:		Rotary Tools <input checked="" type="checkbox"/> Cable Tools		34. Name of Drilling Contractor NABORS M31						35. Is Cementing Affidavit Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
36. CASING RECORD (Report All Strings Set in Well)																			
CASING SIZE		WT #/FT.		DEPTH SET		MULTISTAGE TOOL DEPTH		TYPE & AMOUNT CEMENT (sacks)		HOLE SIZE		TOP OF CEMENT		SLURRY VOL. cu. ft.					
10 3/4		45.5		2620				HALCEM 2120		14 3/4		SURFACE		3210.8					
7 5/8		29.7		7898				EXTENDACEM & THERMACEM 1150		8 3/4		22		1886.0					
5 1/2		17.0		6787				A 610		6 3/4		5936		9453.0					
4 1/2		11.6		12547				A 610		6 3/4		5936		9453.0					
37. LINER RECORD																			
Size		Top		Bottom		Sacks Cement				Screen									
38. TUBING RECORD										39. Producing Interval (this completion) Indicate depth of perforation or open hole									
Size		Depth Set		Packer Set		From L1 8284				To 12391									
2 3/8		7169		7150		From				To									
						From				To									
						From				To									
40. ACID, SHOT, FRACTURE, CEMENT SQUEEZE. ETC.																			
Depth Interval					Amount and Kind of Material Used														
8284.0		12391.0			70,102 BBLs FLUID & 2,884,280# PROPPANT														
41. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)																			
Formations		Depth		Formations		Depth													
RODESSA		7006.0 MD: 7007.0																	
BEXAR SHALE		7520.0 MD: 7593.0																	
JAMES LIME		7655.0 MD: 7791.0																	
REMARKS: N/A																			