

RAILROAD COMMISSION OF TEXAS

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Oil and Gas Division

API No. 42- 225-31181

7. RRC District No.

03

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) FORT TRINIDAD (GLEN ROSE)		2. LEASE NAME GRINSTEAD		9. Well No. 1						
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) BURK ROYALTY CO., LTD.		RRC Operator No. 108799		10. County of well site HOUSTON						
4. ADDRESS P O BOX 94903 WICHITA FALLS, TX 76308-0000				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) PEREZ, F , A-63		5b. Distance and direction to nearest town in this county. 5.5 MILES SW FROM LOVELADY								
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 #	Oil-0 Gas-G					
13. Pipe Line Connection ENERGY TRANSFER				Well #						
14. Completion or recompletion date 06/01/2011		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. Gamma Ray (MWD)						
Section I GAS MEASUREMENT DATA										
Date of Test 07/15/2011		Gas Measurement Method (Check One) Orifice Meter <input checked="" type="checkbox"/> Flange Taps <input checked="" 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 202 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	2.068	0.875	4937.04	981.0	1.98	107.0	0.9577	0.8846	1.099	202.0
2										
3										
4										

Section II FIELD DATA AND PRESSURE CALCULATIONS											
Gravity (Dry Gas) 0.767		Gravity Liquid Hydrocarbon 50.9 Deg. API		Gas-Liquid Hydro Ratio 101000 CF/Bbl		Gravity of Mixture G _{mix} = 0.796		Avg. Shut-in Temp. 206.0 ° F		Bottom Hole Temp. 271.0 ° F @ 10392.0 (Depth)	
D _{eff} ^{8/3} =		√T _f =		=		√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	48/64	1455	140.0							
1	4320	48/64	435	140.0							
2											
3											
4											
Run No.	F	K	S = 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 θ n Absolute Open Flow MCF/DAY			
Shut-in											
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.

PHOENIX ENERGY SERVICES

PHOENIX ENERGY SERVICES

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.

BURK ROYALTY CO., LTD.

Shirley Bridwell

Production Dept
Supervisor

09/13/2011

(940) 397-8600

Signature: Operator's representative

Title

Date

Tel:

A/C Number

SECTION III				DATA ON WELL COMPLETION AND LOG (Not Required on Retest)			
17. Type of Completion <div>New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/></div>				18. Permit to Drill, Plug Back or Deepen DATE 03/03/2011 PERMIT NO. 711108 Rule 37 Exception CASE NO.			
19. Notice of Intention to Drill this well was filed in Name of BURK ROYALTY CO., LTD.				Water Injection Permit PERMIT NO.			
20. Number of producing wells on this lease in this field (reservoir) including this well 1		21. Total number of acres in this lease 699.714		Salt Water Disposal Permit PERMIT NO.			
22. Date Plug Back, Deepening, Workover or Drilling Operations: 03/28/2011		Completed 05/04/2011		23. Distance to nearest well, Same Lease & Reservoir 0.0			
24. Location of well, relative to nearest lease boundaries 665.0 Feet From North SW Line of the GRINSTEAD		2400.0 Feet from Lease					
25. Elevation (DF, RKB, RT, GR ETC.) 313 GL		26. Was directional survey made other than inclination (Form W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
27. Top of Pay 9772	28. Total Depth 11051	29. P. B. Depth 11050	30. Surface Casing Determined by Field Rules <input type="checkbox"/>	Recommendation of T.D.W.R. Railroad Commission (Special) <input checked="" type="checkbox"/>		Dt. of Letter 02/23/2011	
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 N/A				GAS ID or OIL LEASE #		Oil-G Well #	
33. Intervals Drilled by: Rotary Tools <input checked="" type="checkbox"/> Cable Tools		34. Name of Drilling Contractor BASIN DRLG LP				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.
9 5/8	36.0	2445		STANDARD 895	12 1/4	SURFACE	1593.0
5 1/2	20.0	11051		PREMIUM 845	8 3/4	4391	1385.0

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 9782	To 9996
2 3/8	9691	9691	From 10102	To 10370
			From 10470	To 10722
			From 10864	To 11012

40.	ACID, SHOT, FRACTURE, CEMENT SQUEEZE. ETC.	
Depth Interval		Amount and Kind of Material Used
9782.0	11012.0	66,150 BBLS SLICK WATER; 94,093 GAL 15% HCL ACID; 531,803# 40/70 SAND

41.	FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)		
	Formations	Depth	Formations
	UPPER GEORGETOWN/BUDA	9782.0	GLEN ROSE
	KIAMICHI/LOWER GEORGETOWN	10102.0	
	EDWARDS	10470.0	
REMARKS: SWR 10 EXCEPTION EFFECTIVE 03/25/2011			