

RAILROAD COMMISSION OF TEXAS

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Tracking No.: 50819

Oil and Gas Division

API No. 42- 241-30821

7. RRC District No.


03

8. RRC Gas ID No.

266499

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

1. FIELD NAME (as per RRC Records or Wildcat) BEECH GROVE (WOODBINE)		2. LEASE NAME FRANCES KUNKEL UNIT		9. Well No. 1H	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) BBX OPERATING, L.L.C.		RRC Operator No. 058908		10. County of well site JASPER	
4. ADDRESS 3698 RANCH ROAD 620 S STE 113 BEE CAVES, TX 78738-0000					
5. Location (Section, Block, and Survey) HANKS, W , A-18		5b. Distance and direction to nearest town in this county. 4.07 MILES NE OF TOWN BLUFF			
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				Well #	
13. Pipe Line Connection EAGLE ROCK					
14. Completion or recompletion date 05/10/2012		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. Gamma Ray (MWD)	

Section I GAS MEASUREMENT DATA										
Date of Test 05/21/2012		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 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	5.761	2.000	25425.03	955.0	20.66	84.0	0.9779	0.9767	1.0615	3621.0
2	5.761	2.000	25425.03	954.0	17.86	85.0	0.9771	0.9767	1.061	3360.0
3	5.761	2.000	25425.03	951.0	15.17	83.0	0.9783	0.9767	1.0615	3098.0
4	5.761	2.000	25425.03	874.0	8.18	84.0	0.9776	0.9767	1.0561	2168.0

Section II FIELD DATA AND PRESSURE CALCULATIONS													
Gravity (Dry Gas) 0.629		Gravity Liquid Hydrocarbon Deg. API		Gas-Liquid Hydro Ratio CF/Bbl		Gravity of Mixture G _{mix} = 0.629		Avg. Shut-in Temp. 184.0 ° F		Bottom Hole Temp. 295.0 ° F @ 13843.0 (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	SI	9347	74.0									
1	1320	12/64	5553	105.0									
2	180	11/64	5784	101.0									
3	1620	10/64	6344	100.0									
4	2100	8/64	7415	89.0									
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 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.

JON JACKSON

FESCO, LTD

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.

Brenda Ramirez

Signature: Operator's representative

Title

08/03/2012

Date

Tel: (512) 917-1482

A/C

Number

SECTION III										DATA ON WELL COMPLETION AND LOG (Not Required on Retest)									
17. Type of Completion										18. Permit to Drill, Plug Back or Deepen									
New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>										DATE 12/14/2011 PERMIT NO. 728278									
19. Notice of Intention to Drill this well was filed in Name of BBX OPERATING, L.L.C.										Rule 37 Exception <input type="checkbox"/> WATER INJECTION PERMIT <input type="checkbox"/> SALT WATER DISPOSAL PERMIT <input type="checkbox"/> OTHER <input type="checkbox"/>									
20. Number of producing wells on this lease in this field (reservoir) including this well 1										21. Total number of acres in this lease 1000.33									
22. Date Plug Back, Deepening, Workover or Drilling Operations: 01/04/2012										23. Distance to nearest well, Same Lease & Reservoir 0.0									
24. Location of well, relative to nearest lease boundaries 1221.0 Feet From West Line and 4991.0 Feet from South Line of the FRANCES KUNKEL UNIT Lease										25. Elevation (DF, RKB, RT, GR ETC.) 101 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 13835									
28. Total Depth 13990										29. P. B. Depth 13942									
30. Surface Casing Determined by Field Rules <input type="checkbox"/>										Recommendation of T.D.W.R. <input checked="" type="checkbox"/> Railroad Commission (Special) <input checked="" type="checkbox"/>									
31. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										Dt. of Letter 10/31/2011									
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 #									
33. Intervals Drilled by: Rotary Tools <input checked="" type="checkbox"/> Cable Tools <input type="checkbox"/>										34. Name of Drilling Contractor ENSIGN									
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									
2500										A 1603									
14 3/4										SURFACE									
1652.0										7 5/8									
39.0										12730									
H 555										9 7/8									
8874										828.0									
37. LINER RECORD										38. TUBING RECORD									
Size										Top									
Bottom										Sacks Cement									
Screen										39. Producing Interval (this completion) Indicate depth of perforation or open hole									
4 1/2										12484									
13942										182									
38. TUBING RECORD										39. Producing Interval (this completion) Indicate depth of perforation or open hole									
Size										Depth Set									
Packer Set										From 13838 To 13848									
2 7/8										12486									
From										To									
From										To									
From										To									
40. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.										41. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)									
Depth Interval										Amount and Kind of Material Used									
N/A										Formations									
Depth										Formations									
SARATOGA										11560.0									
ANACACHO										12215.0									
AUSTIN CHALK										12680.0									
REMARKS: [RRC Staff 2012-10-01 08:18:46.73]: NEW FIELD NAME: BEECH GROVE (WOODBINE) (06762 500);										[RRC Staff 2013-03-11 12:45:41.583]: approved as deficient; lacking W-12.; [RRC Staff 2013-04-16									
16:06:16.949]: Engineering issues resolved w/ receipt of directional surveys on 4/16/2013.;																			