



RAILROAD COMMISSION OF TEXAS

Form G-1

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Status: Submitted
Date: 02/14/2018
Tracking No.: 185208

GAS WELL BACK PRESSURE TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION	
Operator Name: BP AMERICA PRODUCTION COMPANY	Operator No.: 040798
Operator Address: ATTN JEANINE HALLER-PISKURICH 737 NORTH ELDRIDGE PARKWAY HOUSTON, TX 77079-0000	

WELL INFORMATION	
API No.: 42-005-30410	County: ANGELINA
Well No.: 1HB	RRC District No.: 06
Lease Name: SABER GAS UNIT	Field Name: CARTHAGE (HAYNESVILLE SHALE)
RRC Gas ID No.:	Field No.: 16032300
Location: Section: ,Block: , Survey: FENNER, R, Abstract: 725	
Latitude:	Longitude:
This well is located 7.3 miles in a N direction from HUNTINGTON, which is the nearest town in the county.	

FILING INFORMATION		
Purpose of filing: Initial Potential		
Type of completion: New Well		
Well Type: Producing	Completion or Recompletion Date: 12/14/2017	
Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	02/22/2017	822580
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION			
Spud date: 03/25/2017	Date of first production after rig released: 12/14/2017		
Date plug back, deepening, recompletion, or drilling operation commenced: 03/25/2017	Date plug back, deepening, recompletion, or drilling operation ended: 12/14/2017		
Number of producing wells on this lease in this field (reservoir) including this well: 2	Distance to nearest well in lease & reservoir (ft.): 0.0		
Total number of acres in lease: 960.00	Elevation (ft.): 307 GL		
Total depth TVD (ft.): 16301	Total depth MD (ft.): 23318		
Plug back depth TVD (ft.):	Plug back depth MD (ft.):		
Was directional survey made other than inclination (Form W-12)? Yes	Rotation time within surface casing (hours): 807.0		
Recompletion or reclass? No	Is Cementing Affidavit (Form W-15) attached? Yes		
Type(s) of electric or other log(s) run: Gamma Ray (MWD)	Multiple completion? No		
Electric Log Other Description:			
Location of well, relative to nearest lease boundaries of lease on which this well is located:	Off Lease: No		
	164.0 Feet from the South Line and		
	6626.0 Feet from the West Line of the		
	SABER GAS UNIT Lease.		

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.			
Field & Reservoir	Gas ID or Oil Lease No.	Well No.	Prior Service Type

G1: N/A
PACKET: N/A

FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:		
GAU Groundwater Protection Determination	Depth (ft.): 1900.0	Date: 02/23/2017
SWR 13 Exception	Depth (ft.): 4350.0	

GAS MEASUREMENT DATA										
Date of test: 01/11/2018					Gas measurement method(s):					
Gas production during test (MCF): 37740					Orifice Meter, Flange Taps					
Was the well preflowed for 48 hours? Yes										
Run No.	Line size	Orif. or Choke Size (in.)	24 hr. Coeff. Orif. Or Choke (in.)	Static Pm or Choke (in.)	Diff (hw)	Flow Temp (°F)	Temp. (Ftf)	Gravity (Fg)	Compress (Fpv)	Volume (MCF/day)
1	3.826	2.375	39008.44	1116.0	85.4	90.0	0.9723	1.0029	1.071	12580.0

FIELD DATA AND PRESSURE CALCULATIONS				
Gravity (dry gas): 0.597		Gravity (liquid hydrocarbons) (Deg. API):		
Gas-Liquid Hydro Ratio (CF/Bbl):		Gravity (mixture): Gmix= 0.597		
Avg. shut in temp. (°F): 411.0		Bottom hole temp. and depth: 450.0 °F@ 19767.0 FT		
Run No.	Time of Run (Min.)	Choke Size (in.)	Wellhead Pressure (PSIA)	Wellhead Flow Temp (°F)
SHUT-IN	1440	0	14343	371.0
1	4320	16.5/64	9976	93.0

CASING RECORD											
Row	Type of Casing	Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
		Size	Size	Depth	Stage	Stage		Amount	Volume	Cement	Determined
		(in.)	(in.)	(ft.)	Depth (ft.)	Depth (ft.)	Class	(sacks)	(cu. ft.)	(ft.)	By
1	Surface	13 3/8	17 1/2	4298			TYPE 1	2440	4445.0	SURF	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	14720			CLASS H	2050	2883.0	ACE 6000	Calculation
3	Conventional Production	5 1/2	8 1/2	23435			CLASS H	2389	3431.0	11000	Calculation

LINER RECORD									
Row	Liner Size (in.)	Hole Size (in.)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
N/A									

TUBING RECORD			
Row	Size (in.)	Depth Size (ft.)	Packer Depth (ft.)/Type
1	2 7/8	14810	14814 / BRANTON XXX

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 16287	23296

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment performed?		Yes	
Is well equipped with a downhole actuation sleeve?		No	
If yes, actuation pressure (PSIG):			
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:		13510	
Actual maximum pressure (PSIG) during hydraulic fracturing:		13500	
Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)?		Yes	
Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
1	Fracture	410421 BBLS FLUID; 501500# PROPPANT SAND	16287.0 23296.0

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
NACATOC	Yes	3940.0	3940.0	Yes	
GLEN ROSE	Yes	7537.0	7554.0	Yes	
PETTET	Yes	9894.0	9911.0	Yes	
TRAVIS PEAK	Yes	10814.0	10831.0	Yes	
Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)?					No
Is the completion being downhole commingled (SWR 10)?					No

REMARKS

RRC REMARKS
<p>PUBLIC COMMENTS:</p>
<p>CASING RECORD :</p>
<p>TUBING RECORD:</p>
<p>PRODUCING/INJECTION/DISPOSAL INTERVAL :</p>
<p>ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :</p>
<p>GAS MEASUREMENT DATE REMARK:</p>

OPERATOR'S CERTIFICATION	
Printed Name: Anita Curtis	Title: Regulatory Specialist
Telephone No.: (281) 892-5782	Date Certified: 02/14/2018