



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.: 185204

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.: 42-005-30414		County: ANGELINA	
Well No.: 1HB		RRC District No.: 06	
Lease Name: UTAHRAPTOR GAS UNIT		Field Name: CARTHAGE (HAYNESVILLE SHALE)	
RRC Gas ID No.:		Field No.: 16032300	
Location: Section: ,Block: , Survey: FINCH, J H, Abstract: 726			
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: 11/27/2017	
Type of Permit		Date	Permit No.
Permit to Drill, Plug Back, or Deepen		04/27/2017	824092
Rule 37 Exception			
Fluid Injection Permit			
O&G Waste Disposal Permit			
Other:			

COMPLETION INFORMATION			
Spud date: 05/01/2017		Date of first production after rig released: 11/27/2017	
Date plug back, deepening, recompletion, or drilling operation commenced: 05/01/2017		Date plug back, deepening, recompletion, or drilling operation ended: 11/27/2017	
Number of producing wells on this lease in this field (reservoir) including this well: 2		Distance to nearest well in lease & reservoir (ft.): 12.0	
Total number of acres in lease: 596.08		Elevation (ft.): 286 GL	
Total depth TVD (ft.): 15160		Total depth MD (ft.): 21870	
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): 472.0	
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	
147.0 Feet from the North Line and			
6043.0 Feet from the NE Line of the			
		UTAHRAPTOR 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: 03/15/2017
SWR 13 Exception	Depth (ft.): 4350.0	

GAS MEASUREMENT DATA										
Date of test: 12/17/2017					Gas measurement method(s):					
Gas production during test (MCF): 42828					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	3.825	2.375	39008.44	1115.0	107.3	82.0	0.9795	1.0039	1.076	14276.0

FIELD DATA AND PRESSURE CALCULATIONS				
Gravity (dry gas): 0.595		Gravity (liquid hydrocarbons) (Deg. API):		
Gas-Liquid Hydro Ratio (CF/Bbl):		Gravity (mixture): Gmix= 0.595		
Avg. shut in temp. (°F): 251.0		Bottom hole temp. and depth: 422.0 °F@ 18311.0 FT		
Run No.	Time of Run (Min.)	Choke Size (in.)	Wellhead Pressure (PSIA)	Wellhead Flow Temp (°F)
SHUT-IN	1440	0	14462	80.0
1	4320	16.2/64	10896	92.0

CASING RECORD										
Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	TOC Top of Cement (ft.) Determined By
1	Surface	13 3/8	17 1/2	4290			TYPE 1	2415	4447.0	Circulated to Surface ACE
2	Intermediate	9 5/8	12 1/2	14757			CLASS H	1715	3605.0	6000 Calculation
3	Conventional Production	5 1/2	8 1/2	21839			PREM PLUS H	2135	3074.0	SURF ACE 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	14869	14850 / BTP PACKER CHROME MANDEL

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 15290	21332

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:		Actual maximum pressure (PSIG) during hydraulic fracturing:			
13538		13455			
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	2866000 BBLS SLICKWATER; 3958000 40/70 PROPPANT SAND			15290.0 21332.0

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
NACATOCH	Yes	3900.0	3900.0	Yes	
GLEN ROSE	Yes	7528.0	7544.0	Yes	
PETTET	Yes	9892.0	9908.0	Yes	
TRAVIS PEAK	Yes	10805.0	10821.0	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