



RAILROAD COMMISSION OF TEXAS

Form G-1

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

Status: Submitted
Date: 01/30/2018
Tracking No.: 185201

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.: 42-005-30413		County: ANGELINA	
Well No.: 1H		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: 11/28/2017	
Type of Permit	Date	Permit No.	
Permit to Drill, Plug Back, or Deepen	04/27/2017	824083	
Rule 37 Exception			
Fluid Injection Permit			
O&G Waste Disposal Permit			
Other:			

COMPLETION INFORMATION			
Spud date: 04/27/2017		Date of first production after rig released: 11/28/2017	
Date plug back, deepening, recompletion, or drilling operation commenced: 04/27/2017		Date plug back, deepening, recompletion, or drilling operation ended: 11/28/2017	
Number of producing wells on this lease in this field (reservoir) including this well: 1		Distance to nearest well in lease & reservoir (ft.): 0.0	
Total number of acres in lease: 596.08		Elevation (ft.): 286 GL	
Total depth TVD (ft.): 15499		Total depth MD (ft.): 22921	
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): 447.0	
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	
162.0 Feet from the North Line and			
6031.0 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: 12/02/2017					Gas measurement method(s):					
Gas production during test (MCF): 47328					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	1115.0	137.1	98.0	0.9653	1.0062	1.065	15776.0

FIELD DATA AND PRESSURE CALCULATIONS					
Gravity (dry gas): 0.593			Gravity (liquid hydrocarbons) (Deg. API):		
Gas-Liquid Hydro Ratio (CF/Bbl):			Gravity (mixture): Gmix= 0.593		
Avg. shut in temp. (°F): 265.0			Bottom hole temp. and depth: 440.0 °F@ 19247.0 FT		
Run No.	Time of Run (Min.)	Choke Size (in.)	Wellhead Pressure (PSIA)	Wellhead Flow Temp (°F)	
SHUT-IN	1440	0	7415	90.0	
1	4320	14/64	10863	93.0	

CASING RECORD											
		<u>Casing</u>	<u>Hole</u>	<u>Setting</u>	<u>Multi -</u>	<u>Multi -</u>		<u>Cement</u>	<u>Slurry</u>	<u>Top of</u>	<u>TOC</u>
<u>Row</u>	<u>Type of</u>	<u>Size</u>	<u>Size</u>	<u>Depth</u>	<u>Stage Tool</u>	<u>Stage Shoe</u>	<u>Cement</u>	<u>Amount</u>	<u>Volume</u>	<u>Cement</u>	<u>Determined</u>
	<u>Casing</u>	<u>(in.)</u>	<u>(in.)</u>	<u>(ft.)</u>	<u>Depth (ft.)</u>	<u>Depth (ft.)</u>	<u>Class</u>	<u>(sacks)</u>	<u>(cu. ft.)</u>	<u>(ft.)</u>	<u>By</u>
2	Intermediate	9 5/8	12 1/4	14737			PREM PLUS H	1708	3596.0	4000	Calculation
1	Surface	13 3/8	17 1/2	4286			TYPE 1	2439	6392.0	SURF ACE	Temperature Survey
3	Conventional Production	5 1/2	8 1/2	22896			PLUS H	2531	3644.6	10000	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	15099	15080 / BRANTON 10K PERM PKR

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 15734	22760

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:		13500	
Actual maximum pressure (PSIG) during hydraulic fracturing:		14359	
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	2083588.40 BBLS OF FLUIDS; 32561333# OF PROPPANT	15734.0 22760.0

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
NACATOC	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: 01/30/2018