



RAILROAD COMMISSION OF TEXAS

Form G-1

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

Status: Submitted
Date: 07/18/2017
Tracking No.: 173693

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.: 42-005-30407	County: ANGELINA
Well No.: 1H	RRC District No.: 06
Lease Name: DINO GAS UNIT	Field Name: CARTHAGE (HAYNESVILLE SHALE)
RRC Gas ID No.:	Field No.: 16032300
Location: Section: ,Block: , Survey: CUELLA, R G, Abstract: 150	
Latitude:	Longitude:
This well is located 7.2 miles in a NE 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: 04/11/2017	
Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	10/13/2016	818218
Rule 37 Exception		0301751
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION			
Spud date: 12/16/2016	Date of first production after rig released: 04/11/2017		
Date plug back, deepening, recompletion, or drilling operation commenced: 12/16/2016	Date plug back, deepening, recompletion, or drilling operation ended: 04/11/2017		
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: 945.26	Elevation (ft.): 201 GL		
Total depth TVD (ft.): 15707	Total depth MD (ft.): 21207		
Plug back depth TVD (ft.):	Plug back depth MD (ft.):		
Was directional survey made other than inclination (Form W-12)? No	Rotation time within surface casing (hours): 466.0		
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		
	434.0 Feet from the North Line and		
	1666.0 Feet from the West Line of the		
	DINO 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: 04/03/2017
SWR 13 Exception	Depth (ft.): 4500.0	

GAS MEASUREMENT DATA										
Date of test: 06/13/2017					Gas measurement method(s):					
Gas production during test (MCF): 41745					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	3.820	2.375	39008.44	953.0	117.7	69.0	0.9915	1.0012	1.073	13915.0

FIELD DATA AND PRESSURE CALCULATIONS				
Gravity (dry gas): 0.599		Gravity (liquid hydrocarbons) (Deg. API):		
Gas-Liquid Hydro Ratio (CF/Bbl):		Gravity (mixture): Gmix= 0.599		
Avg. shut in temp. (°F): 379.0		Bottom hole temp. and depth: 417.0 °F@ 18078.0 FT		
Run No.	Time of Run (Min.)	Choke Size (in.)	Wellhead Pressure (PSIA)	Wellhead Flow Temp (°F)
SHUT-IN	1440	0	14280	340.0
1	4320	25.5/64	10352	165.0

CASING RECORD											
		Casing	Hole	Setting	Multi -	Multi -		Cement	Slurry	Top of	TOC
Row	Type of	Size	Size	Depth	Stage Tool	Stage Shoe	Cement	Amount	Volume	Cement	Determined
	Casing	(in.)	(in.)	(ft.)	Depth (ft.)	Depth (ft.)	Class	(sacks)	(cu. ft.)	(ft.)	By
1	Surface	13 3/8	17 1/2	4312			TYPE 1	2582	4560.0	SURF ACE	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	14493			CLASS H+	956	3476.0	SURF ACE	Circulated to Surface
3	Conventional Production	5 1/2	8 1/2	21250			CLASS H	2581	3700.0	6026	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 3/8	14607	14600 / BAKER F-1 PERM PKR

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 14945	21211

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment performed?		No	
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:		13910	
Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)?		No	
Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
1	Fracture	TOTAL MASS LBS 148,375,550.035 TOTAL WATER 16,093,770 FLUID VOL 62,989	14945.0 21211.0

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
NACATOCH	Yes	500.0	500.0	Yes	
GLEN ROSE	Yes	7422.0	7422.0	Yes	
PETTET	Yes	9753.0	9753.0	Yes	
TRAVIS PEAK	Yes	10647.0	10647.0	Yes	
COTTON VALLEY	Yes	12952.0	12952.0	Yes	
BOSSIER SHALE	Yes	14583.0	14583.0	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
TOTAL SURFACE HOURS ROTATED 466 (THE REQUIRED TRRC TEST WAS SUCCESSFULLY COMPLETED ON 1/31/2017 @ 1300 HRS. WITH USE OF HES RTTS PACKER AND BYPASS VALVE ~ 1,500 PSI & 30 MIN.~)

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

OPERATOR'S CERTIFICATION	
Printed Name: Anita Curtis	Title: Regulatory Specialist
Telephone No.: (281) 892-5782	Date Certified: 07/18/2017