



RAILROAD COMMISSION OF TEXAS

Form G-1

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

Status: Submitted
Date: 04/24/2015
Tracking No.: 127908

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

OPERATOR INFORMATION	
Operator Name: GOODRICH PETROLEUM COMPANY	Operator No.: 314909
Operator Address: 801 LOUISIANA STREET SUITE 700 HOUSTON, TX 77002-4936	

WELL INFORMATION	
API No.: 42-005-30398	County: ANGELINA
Well No.: 1H	RRC District No.: 06
Lease Name: ACLCO HAY G.U. 2	Field Name: CARTHAGE (HAYNESVILLE SHALE)
RRC Gas ID No.:	Field No.: 16032300
Location: Section: 33, Block: , Survey: BERRY, W P, Abstract: 788	
Latitude: 31.38489	Longitude: -94.55642
This well is located 10.6 miles in a NE direction from LUFKIN, 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: 02/03/2015	
Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	06/18/2014	788399
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION	
Spud date: 06/18/2014	Date of first production after rig released: 02/03/2015
Date plug back, deepening, recompletion, or drilling operation commenced: 06/18/2014	Date plug back, deepening, recompletion, or drilling operation ended: 10/21/2014
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: 918.68	Elevation (ft.): 207 GL
Total depth TVD (ft.): 15344	Total depth MD (ft.): 19597
Plug back depth TVD (ft.): 15362	Plug back depth MD (ft.): 19484
Was directional survey made other than inclination (Form W-12)? Yes	Rotation time within surface casing (hours): 400.0
Recompletion or reclass? No	Is Cementing Affidavit (Form W-15) attached? Yes
Type(s) of electric or other log(s) run: None	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
1848.0 Feet from the West Line and	
300.0 Feet from the South Line of the	
ACLCO HAY G.U. 2 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: 06/05/2014
SWR 13 Exception	Depth (ft.): 3900.0	

GAS MEASUREMENT DATA										
Date of test: 04/01/2015					Gas measurement method(s):					
Gas production during test (MCF): 18029					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	4.026	2.000	20210.90	980.0	46.1	62.7	0.9975	1.2964	1.076	6018.0

FIELD DATA AND PRESSURE CALCULATIONS				
Gravity (dry gas): 0.595		Gravity (liquid hydrocarbons) (Deg. API):		
Gas-Liquid Hydro Ratio (CF/Bbl):		Gravity (mixture): Gmix=		
Avg. shut in temp. (°F): 63.0		Bottom hole temp. and depth: 305.0 °F@ 19597.0 FT		
Run No.	Time of Run (Min.)	Choke Size (in.)	Wellhead Pressure (PSIA)	Wellhead Flow Temp (°F)
SHUT-IN	4320	10	12200	63.0
1	4320	10	11500	63.0

CASING RECORD										
Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Stage Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	TOC Determined By
1	Surface	10 3/4	13 1/2	3892			TYPE 1	1631	3306.0	Circulated to Surface
2	Intermediate	7 5/8	9 7/8	15146			PLUS-H	1765	2879.0	6100 Calculation
3	Conventional Production	5 1/2	6 1/2	19573			CLASS H	870	1226.0	6400 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.)
1	2 3/8	14823	
Packer Depth (ft.)/Type 14800 / RETAINER PACKER			

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 15803	19474

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:		12924	
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	FILED IN FRAC FOCUS	15803.0 19474.0

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
NACATOC	No			No	FORMATION TOP NOT PICKED
GLEN ROSE	No			No	FORMATION TOP NOT PICKED
PETTET	Yes	9690.0	9690.0	Yes	
TRAVIS PEAK	Yes	10583.0	10585.0	Yes	
BOSSIER	Yes	14344.0	14348.0	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
PUBLIC COMMENTS: [RRC Staff 2015-04-24 13:33:44.478] EDL=3571 feet, max acres=904, CARTHAGE (HAYNESVILLE SHALE) gas well
CASING RECORD :
TUBING RECORD:
PRODUCING/INJECTION/DISPOSAL INTERVAL :
ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. : INFORMATION IS FILED IN FRAC FOCUS.
GAS MEASUREMENT DATE REMARK:

OPERATOR'S CERTIFICATION	
Printed Name: Shelley Copeland	Title: Regulatory Analyst
Telephone No.: (832) 399-3156	Date Certified: 04/29/2015