

RAILROAD COMMISSION OF TEXAS

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Tracking No.: 5715

Status: Submitted

Oil and Gas Division

API No. 42- 347-33153

7. RRC District No.

06

8. RRC Gas ID No.

Gas Well Back Pressure Test,
Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat) CARTHAGE (HAYNESVILLE SHALE)		2. LEASE NAME ACLCO UNIT		9. Well No. 1H						
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) EOG RESOURCES, INC.		RRC Operator No. 253162		10. County of well site NACOGDOCHES						
4. ADDRESS ATTN PRODUCTION ACCTNG 6101 S BROADWAY STE 200 TYLER, TX 75703-0000				11. Purpose of filing Initial Potential <input checked="" type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> Well record only (Explain in remarks) <input type="checkbox"/>						
5. Location (Section, Block, and Survey) CHIRINO, J A , A-17		5b. Distance and direction to nearest town in this county. 3.1 MILES SW OF CHIRENO								
6. If operator has changed within last 60 days, name former operator										
12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no. FIELD & RESERVOIR				GAS ID or OIL LEASE #						
N/A				Oil-0 Gas-G						
13. Pipe Line Connection TENASKA				Well #						
14. Completion or recompletion date 08/06/2010		15. Any condensate on hand at time of workover or recompletion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		16. Type of Electric or other Log Run. PLAT FORM EXPRESS						
Section I GAS MEASUREMENT DATA										
Date of Test 08/20/2010		Gas Measurement Method (Check One) Orifice Meter <input checked="" type="checkbox"/> Flange Taps <input checked="" type="checkbox"/> <input type="checkbox"/> Positive Choke <input type="checkbox"/> Orifice Vent Meter <input type="checkbox"/> Pitot Tube <input type="checkbox"/> Critical-flow Prover <input type="checkbox"/>			Gas produced during test 99276 MCF					
Run Size	Line Size	Orif. or Choke Size	24 hr Coeff. Orif. or Choke	Static Pm or Choke Press	Diff h _w	Flow Temp. ° F	Temp. Factor F _{tf}	Gravity Factor F _g	Compress Factor F _{pv}	Volume MCF/DAY
1	6.065	2.750	48984.08	1006.0	452.0	120.0	0.9469	1.0086	1.049	33092.0
2										
3										
4										

Section II FIELD DATA AND PRESSURE CALCULATIONS										
Gravity (Dry Gas) 0.59		Gravity Liquid Hydrocarbon Deg. API		Gas-Liquid Hydro Ratio CF/Bbl		Gravity of Mixture G _{mix} = 0.59		Avg. Shut-in Temp. 246.0 ° F		Bottom Hole Temp. 396.0 ° F @ 16972.0 (Depth)
$D_{eff}^{8/3} =$		$\sqrt{T_f} = \sqrt{\quad} =$		$\sqrt{GL} = \sqrt{\quad} =$						
$C = \frac{1118 \times (D_{eff})^{8/3}}{\sqrt{T}} =$		$\frac{\sqrt{GL}}{C} =$								
Run No.	Time of Run Min	Choke Size	Wellhead Press. PSIA P _w	Wellhead Flow Temp ° F	P _w ² (Thousands)	R	R ² (Thousands)	P ₁	P _w / P ₁	
Shut-in			11015	96.0						
1	4320	32/64	7636	125.0						
2										
3										
4										
Run No.	F	K	$S = \frac{1}{Z}$	E ^{ks}	P _f and P _s	P _f ² and P _s ² (Thousands)	P _f ² - P _s ² (Thousands)	Angle of Slope θ n Absolute Open Flow MCF/DAY		
Shut-in										
1										
2										
3										
4										

WELL TESTERS CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test and that data and facts shown in Sections I and II above are true, correct, and complete, to the best of my knowledge. Bottomhole temperature and the diameter and length of flow string were furnished by the operator of the well.

BOB BURNS

SPL

Signature: Well Tester

Name of Company

RRC Representative

OPERATORS CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that I or prepared supervised and directed this report, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

EOG RESOURCES, INC.

Debra Gay

Signature: Operator's representative

Title

10/01/2010

Date

Tel: (903) 509-7115

A/C

Number

SECTION III										DATA ON WELL COMPLETION AND LOG (Not Required on Retest)									
17. Type of Completion New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>										18. Permit to Drill, Plug Back or Deepen DATE 04/05/2010 PERMIT NO. 693863 Rule 37 Exception CASE NO. _____ Water Injection Permit PERMIT NO. _____ Salt Water Disposal Permit PERMIT NO. _____ Other PERMIT NO. _____									
19. Notice of Intention to Drill this well was filed in Name of EOG RESOURCES, INC.																			
20. Number of producing wells on this lease in this field (reservoir) including this well 1					21. Total number of acres in this lease 672.79														
22. Date Plug Back, Deepening, Workover or Drilling Operations:		Commenced 04/18/2010		Completed 06/02/2010		23. Distance to nearest well, Same Lease & Reservoir 0.0													
24. Location of well, relative to nearest lease boundaries 330.0 Feet From South Line and 835.0 Feet from East Line of the ACLCO UNIT Lease																			
25. Elevation (DF, RKB, RT, GR ETC.) 338 GL					26. Was directional survey made other than inclination (Form W-12)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														
27. Top of Pay 14544 MD:14544		28. Total Depth 14470 MD:19515		29. P. B. Depth MD:19440		30. Surface Casing Determined by Field Rules <input type="checkbox"/> Recommendation of T.D.W.R. <input checked="" type="checkbox"/> Railroad Commission (Special) <input checked="" type="checkbox"/>		Dt. of Letter 04/09/2010 Dt. of Letter 04/22/2010											
31. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																			
32. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. FIELD & RESERVOIR										GAS ID or OIL LEASE #		Oil-0 Gas-G		Well #					
N/A																			
33. Intervals Drilled by:		Rotary Tools <input checked="" type="checkbox"/> Cable Tools		34. Name of Drilling Contractor NABORS						35. Is Cementing Affidavit Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
36. CASING RECORD (Report All Strings Set in Well)																			
CASING SIZE		WT #/FT.		DEPTH SET		MULTISTAGE TOOL DEPTH		TYPE & AMOUNT CEMENT (sacks)		HOLE SIZE		TOP OF CEMENT		SLURRY VOL. cu. ft.					
10 3/4		40.5		3297				MOD SL & PREM 1410		13 1/2		SURFACE		2448.6					
7 5/8		29.7		13304				HALCEM KB III 2040		9 7/8		7500		2753.4					
5 1/2		23.0 18.0		19515				THERMACEM 760		6 3/4		10,000		1117.2					
37. LINER RECORD																			
Size		Top		Bottom		Sacks Cement				Screen									
38. TUBING RECORD										39. Producing Interval (this completion) Indicate depth of perforation or open hole									
Size		Depth Set		Packer Set		From L1 19190					To 19401								
N/A						From L1 18920					To 19130								
						From L1 18660					To 18860								
						From L1 18381					To 18591								
						From L1 18111					To 18321								
						From L1 17841					To 18076								
						From L1 17571					To 17784								
						From L1 17310					To 17511								
						From L1 17033					To 17242								
						From L1 16760					To 16919								
						From L1 16398					To 16607								
						From L1 16128					To 16334								
						From L1 15859					To 16060								
						From L1 15600					To 15800								
						From L1 15326					To 15530								
						From L1 15051					To 15260								
						From L1 14544					To 14706								
40. ACID, SHOT, FRACTURE, CEMENT SQUEEZE. ETC.																			
Depth Interval					Amount and Kind of Material Used														
19190.0		19401.0			100,020#S 100 MESH, 91,830#S 30/60 ISP														
18920.0		19130.0			100,020#S 100 MESH, 201,080#S 30/60 ISP														

40. ACID, SHOT, FRACTURE, CEMENT SQUEEZE. ETC.		
Depth Interval		Amount and Kind of Material Used
18660.0	18860.0	100,080#S 100 MESH, 197,560#S 30/60 ISP
18381.0	18591.0	100,140#S 100 MESH, 172,440#S 30/60 ISP
18111.0	18321.0	100,120#S 100 MESH, 199,060#S 30/60 ISP
17841.0	18076.0	100,120#S 100 MESH, 205,560#S 30/60 ISP
17571.0	17784.0	100,040#S 100 MESH, 200,400#S 30/60 ISP
17310.0	17511.0	100,120#S 100 MESH, 85,880#S 30/60 ISP
17033.0	17242.0	100,080#S 100 MESH, 227,700#S 30/60 ISP
16760.0	16919.0	100,080#S 100 MESH, 198,960#S 30/60 ISP
16398.0	16607.0	100,180#S 100 MESH, 199,140#S 30/60 ISP
16128.0	16334.0	103,000#S 100 MESH, 198,920#S 30/60 ISP
15859.0	16060.0	93,020#S 100 MESH, 202,740#S 30/60 ISP
15600.0	15800.0	100,000#S 100 MESH, 198,220#S 30/60 ISP
15326.0	15530.0	100,000#S 100 MESH, 197,860#S 30/60 ISP
15051.0	15260.0	111,060#S 100 MESH, 208,440#S 30/60 ISP
14544.0	14706.0	100,620#S 100 MESH, 219,440#S 30/60 ISP

41. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)			
Formations	Depth	Formations	Depth
SARATOGA	4150.0 MD: 4150.0	JAMES LIME	8540.0 MD: 8540.0
EAGLEFORD	5595.0 MD: 5595.0	PETTIT	8825.0 MD: 8825.0
PALUXY	6205.0 MD: 6205.0	TRAVIS PEAK	9550.0 MD: 9550.0
MOORINGSPORT	7065.0 MD: 7065.0	CV "B" LIME	12225.0 MD: 12225.0
BASE MASSIVE ANHY	7965.0 MD: 7965.0	HAYNESVILLE	14185.0 MD: 14185.0
REMARKS: [RRC Staff 2011-01-18 10:17:39.683]: EDL=4920 feet, max acres=944;			