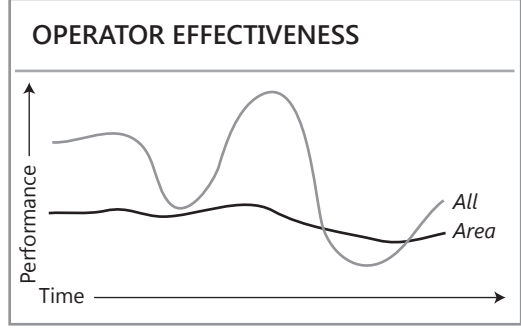
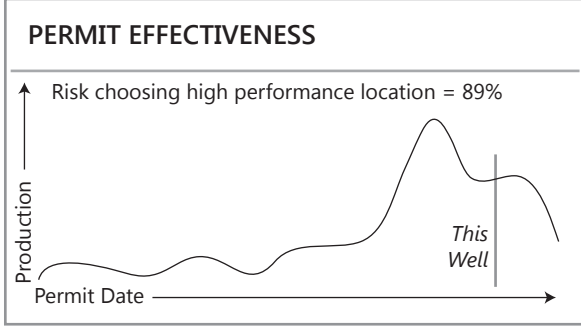
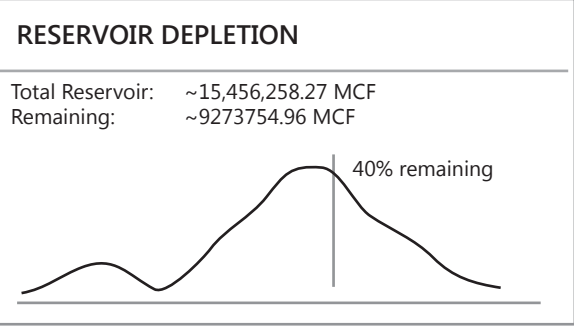


BATTLE GAS UNIT 1H #258855

 Devon Energy Production
 Carthage (Haynesville Shale)
 Shelby County, Texas
 02/16/2010

Henry Hub to Date \$2,636,007.85	\$ Today - 12/18 \$442,683.72	Total Revenue (\$3.6/McF) ~\$4,068,541.69	Left to Recover 39.9%	Recommendation STIMULATE	Well Performance
MCF Recovered 690,011.53	MCF Today - 12/18 132,003.19	Future MCF Total ~440,138.95	Predicted MCF EUR ~1,130,150.47		Well Potential
					Area Potential
					Operator Performance



6TH LARGEST WELL IN AREA

B

9.37% OF OVERALL AREA PRODUCTION

B+

84 DAYS PERMIT TO SPUD

D+

87 DAYS SPUD TO COMPLETED

C

0 DAYS TO MAX PRODUCTION

A++

912 BOE AT TIME OF INACTIVE

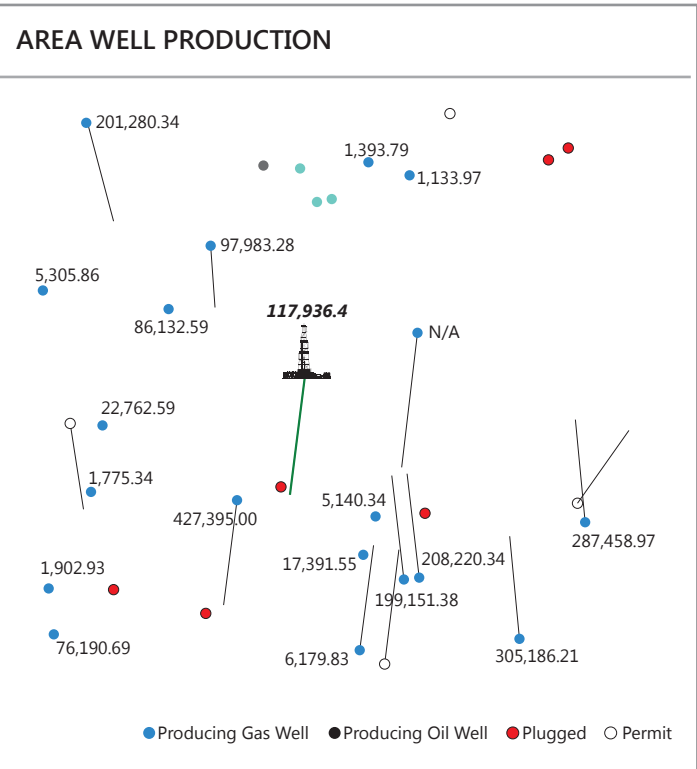
D-

BOE PRODUCTION MODELS

Max Gas: 12,460.86b on 8/1/2010 | Water Max: 36,137b on 8/1/2010

Regression	Score	BOE to Date	Months to 100b	Additional BOE	Forecasted EUR	Correlated
Rational Model	938	117,936.4b	269m	34,889b	152,825.4b	.958196
Farazdaghi-Harris	938	117,936.4b	397m	77,658b	195,584.4b	.957511
Hyperbolic Decline	402					<Score to low>
Exponential Decline	365					<Score to low>
Hyperbolic Decline	NA					<No Score>

ARPs Equations



INFRASTRUCTURE

- Rail
- Road
- Disposal
- Water
- Proppant
- Pipeline
- Rig Avail.
- Pumper

REGULATORY

- Emissions
- Setback
- Pooling
- Disposal
- OHSA
- Bio-Diversity
- Ops Restrict.
- Pad Environ.

AREA OPERATORS

Top Performers	Grade	Bottom Performers	Grade
XTO Energy	A	BP America Production	F
Classic Operating Company	A-	Marshall Exploration	F
Devon Energy Production	B	Southwestern Energy Prod	F
Ellora Energy Incorporated	B	SM Energy	D
Cabot Oil & Gas	B-	Enduro Operating	D

LOCATION

+31.7859219, -94.2824714

6th highest producer in area
 50th percentile producer in county
 68th percentile producer in state

7th highest producing county in state
 East Texas 2nd highest play in state

TITLE LEASE PROFILE

Acres held by production	702.1
Acres open	1021.0
Average fee (\$)	\$1,425.00
Bonus fees	5%
Largest lease holder	Harriet Smith
Special considerations	None

API: 42-419-31548

Driller: Helmerich & Payne
 Operator: Devon Energy
 Gas Gatherer: Noble Energy

Kelly Bushing: 359 ft
 Elevation: 334 ft
 Casing Cement: 5,135 sacks

Inactive as of 6/30/2014

Water: 196,056 barrels
 Gas: 117,936 barrels
 Oil: 0 barrels

Travis Peak 7,333 ft
 Cotton Valley SD 9,645 ft
 Bossier 10,687 ft
 Haynesville Shale

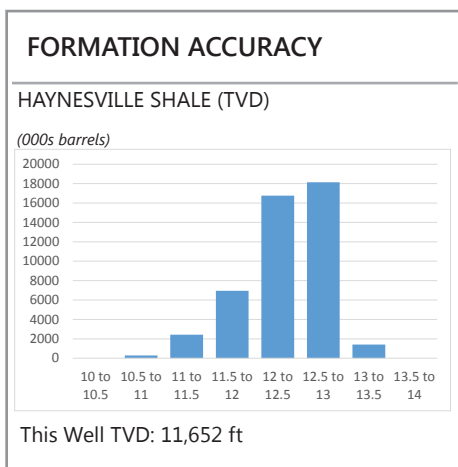
93.02 Deviation

17,238 ft Perf
 12,127 ft Perf

Total Vertical Depth: 11,652 ft
 Measured Depth: 17,549 ft

WELL DETAILS

Acres:	702.41
API:	42-419-31548
Class:	Development Well
County:	Shelby
Depth Measured:	17,549
Depth TVD:	11,652
Drilling Permit #:	691102
Field #:	16032300
Field Name:	Carthage
Gas Allowable:	4116
Hole Direction:	Horizontal
Lateral Length:	5,897 ft
Lease #:	258855
Lease Name:	Battle Gas Unit
Nearest Town Distance:	6.1 miles
Nearest Town:	Center
Oldest Rock:	Upper Jurassic
Operator #:	216378
Perf Depth Highest:	12,127
Perf Depth Lowest:	17,238
Play Name:	Haynesville
Play Type:	Shale Gas
Primary Product:	Gas
Production Months:	46
Production Years:	5
Projected Depth:	18,000 ft
Province:	East Texas Basin
Purpose:	New Drill
RRC Tracking #:	5401
Status:	Active
Texas District:	06
Tool:	Rotary
Type:	Gas Well
Well No:	1H



NUMBER WELLS	NUMBER CASINGS	NUMBER STRATS	NUMBER TESTS	NUMBER TREATMENTS	PRODUCTION YEARS
1	4	3	1	1	5

DRILLED ROCK LAYERS

Formation	Area BOE	Total BOE	Average BOE	Avg Depth	Max Depth	Min Depth
Travis Peak	1,278,208	27,476,563	107,330	8,608	10,161	6,055
Cotton Valley SD	271,839	28,470,746	182,504	9,852	12,140	7,078
Bossier	1,062,600	136,350,552	195,905	12,184	13,172	11,200
Haynesville*	1,011,238	19,456,382	341,340	12,211	13,146	10,452

* Current well's production took place in this formation

FLOW REGIMES

TREATMENT #1

Treatment Type	IP
Completion Method	Gross
Depth Top Treatment	12,127
Depth Bottom Treatment	17,238
Treatment Amount	102,241b
Injection Rate	NA
Treatment Pressure	NA
Shutin Pressure	NA

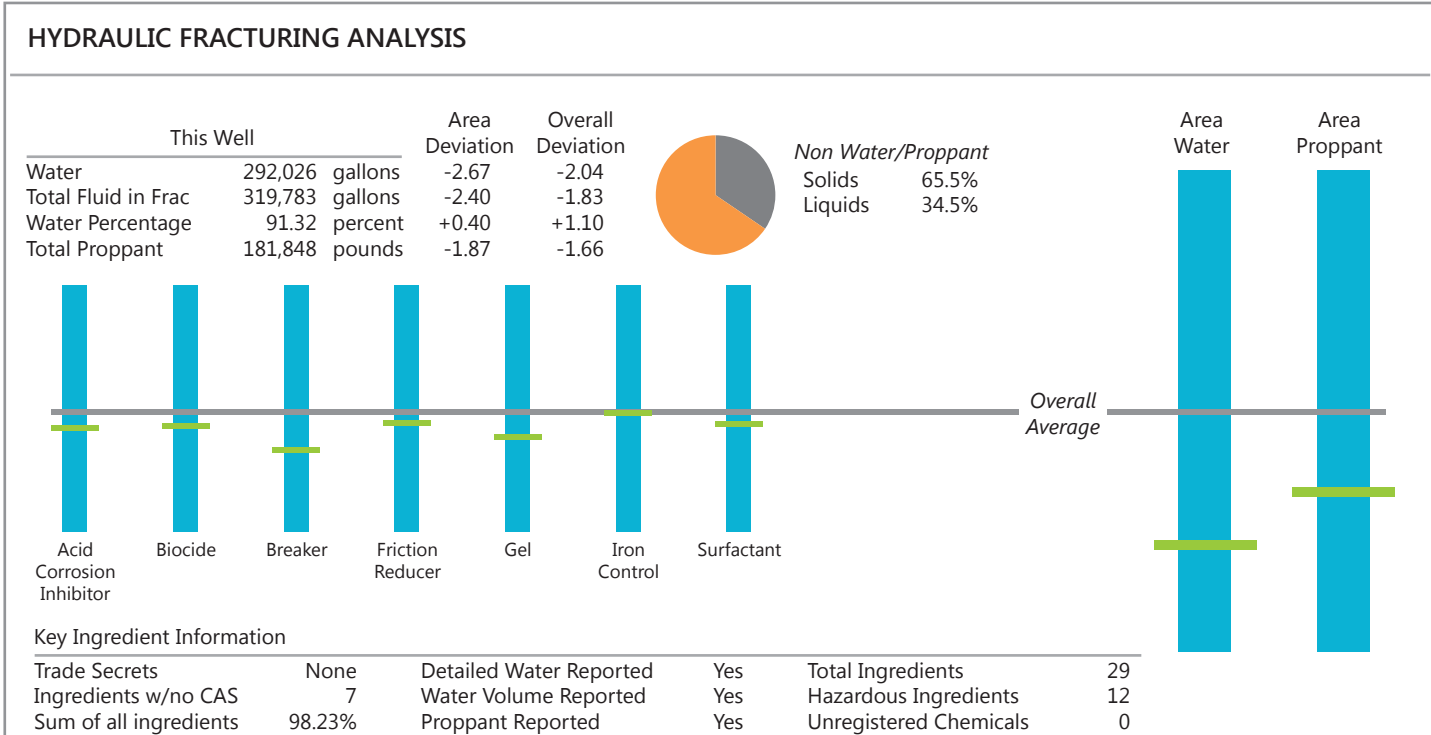
NOTES

Permitting Drilling Geology Treatments Regulatory

2/10/2010
 Penetration point lease line calls shown on permit application as first TP calls per plat.
 Terminus lease line calls shown on permit application as last TP calls per plat. Tracts 2, 4, 7, 8, 9, 11 & 12 contain minimal partial unleased interest. Perforations outside of tract 11 will not be closer to the bottom of tract 11 boundary than 330. Tract 2 is unaffected as last take point perforations will not be closer to the bottom of tract 2 than 330. Permit will be amended later to eliminate no perforation zones after tracts are fully leased, or Rule 37 exception obtained.

WELL DATES

Permit Submitted:	2/10/2010
Permit Approved:	2/16/2010
Completion:	2/17/2010
First Report:	5/11/2010
Spud:	6/19/2010
TD Reached:	6/20/2010
Rig Release:	8/1/2010
Last Update:	8/1/2010
Gas Start:	8/1/2010
Production Start:	8/1/2010
Production Stop:	8/1/2010
Water Start:	8/6/2010
Gas Max:	3/14/2014
Water Max:	6/30/2014



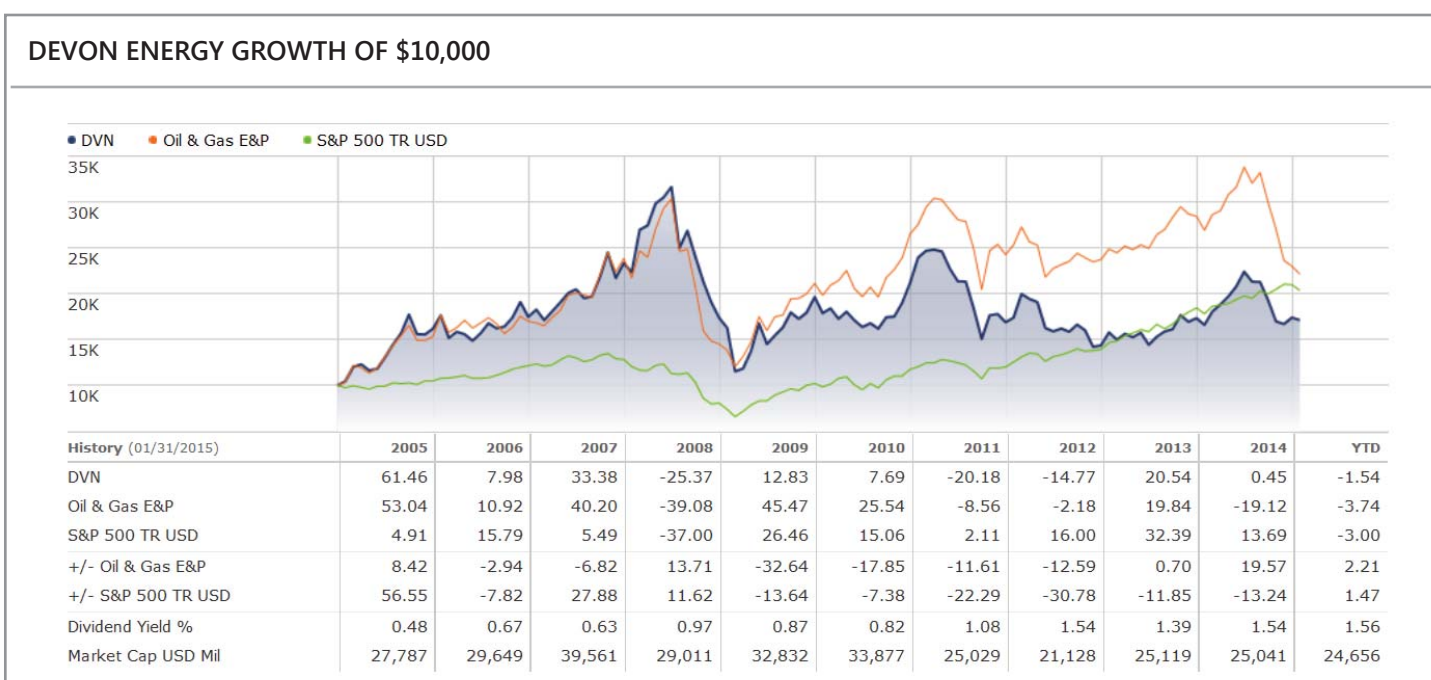
SOURCE DATA

- [Acreage Productivity](#)
- [Cementing Report](#)
- [Directional Survey](#)
- [Electric Log Status Report](#)
- [Gas Well Back Pressure Test](#)
- [Gas Well Classification](#)
- [Gas Well Status Report](#)
- [Operator Record](#)
- [Permit to Drill](#)
- [Plat](#)
- [Pooling Certificate](#)
- [Transportation Certificate](#)
- [Well Completions](#)

GIS Viewer
 Well Files
 Well Logs

[Export This Well](#)

[Export This Area](#)



FIELD RETURNS	OPERATOR RETURNS
A ⁻	C ⁺
AREA EFFECTIVENESS	OPERATOR EFFECTIVENESS
D	B
AREA OPERATOR MARKETSHARE	OVERALL OPERATOR MARKETSHARE
F	A ⁻

