BBL OPERATING COMPANY

Robertson County Multi Well Project

GREAT BALLS of FIRE #1-H

Project Book

ROBERTSON COUNTY, TEXAS

SCREAMING EAGLE #1-H 12/2015 =11/2017
DIAMOND TRIO #1-H AQ 2015
REGAL UNIT #1-H 06/2016 = 5/2017
JOHNNY B. GOODE #1-H 09/2016 = 2018
LONG TALL SALLY #1-H 1/2017=12/2017
BIG BAD JOHN #1-H 2018
SUZIE Q #1-H 2018
GOOD GOLLY MISS MOLLY #1-H 2018

Revised 2/18

BBL CURRENT AND FUTURE
AREAS OF ACTIVITY

2017 - 2020 PROJECTS

ROBERTSON COUNTY MULTI WELL PROJECT

AUSTIN CHALK BUDA GEORGETOWN EAGLEFORD

* LOCATION MARKERS ARE APPROXIMATE

BBL OPERATING COMPANY

Robertson County Multi Well Project

GREAT BALLS of FIRE #1-H

- BBL will drill the "Great Balls of Fire #1-H" into the Austin Chalk formation at approx. 6,561' with a 5000' +/- lateral
- 397.89+/- Acre Unit
- Project includes the ability to participate in off-set Austin Chalks as well as the future Eagleford / Woodbine Multi-Well Development
- 75 NRI
- Strong Area Production History
- Drilling Date: March 2018

Basin Drilling Rig 102

GREAT BALLS OF FIRE #1-H
3/ 2018

Drilled:
SCREAMING EAGLE #1-H
12/2015 =11/2017
DIAMOND TRIO #1-H
AQ 2015
Lightsey RE#1-H 2015
REGAL UNIT #1-H
06/2016 = 5/2017
JOHNNY B. GOODE #1-H
09/2016 = 2018
LONG TALL SALLY #1-H
1/2017=12/2017

Upcoming:
Lightsey RE#1-H 2015 = 2018
BIG BAD JOHN #1-H 2019
SUZIE Q #1-H 2019
GOOD GOLLY
MISS MOLLY#1H 2019

“Great Balls of Fire #1-H”
Area Map

*Long Tall Sally #1-H
Austin Chalk
In Completion
*Orig completed in Buda 1-2017

*Johnny B. Goode #1-H
Austin Chalk 3-2018
*Orig completed Buda/GT 2016

Regal Unit #1-H
Austin Chalk
10-2016
Frac 5-2017

**GREAT BALLS of FIRE #1-H
Austin Chalk
3 - 2018

Woody Ln
Wild Dogwood Ln
Log Cabin Ln
Old Bryan Hwy
Arrowhead
Heath Ln
Old Hea
6

James Grubb, Geologist

BBL Operating Company
Great Balls of Fire # 1H
Austin Chalk Prospect
Robertson County, Texas

The Great Balls of Fire prospect is located in the W. Ann Survey A-287 in Robertson County, Texas.

The well will be drilled toe up in a northwesterly direction to a total depth of 12,500'. The well will land in the lower Austin Chalk and traverse 5,000' of fractured limestone. The target formation is well defined in thickness, depth and productivity by a number of surrounding Chalk wells. The drill bit will land in the lower 30 ' section of an overall 60' lower chalk interval. The well is planned to stay in this zone throughout the 5,000 lateral length. Landing the well in the lower Chalk section allows the frack, when applied, to tap up into additional Chalk section and downward into the Eagle Ford Shale section, the source for the oil.

The regional structural grain in southern Robertson County trends northeast to southwest and dips off to the southeast. Nosing and undulations in the Chalk contours indicate trend changes, which may indicate additional fracture groups on top of those, created by the regional dip. The well is planned to take advantage of this fracture system and the regional dip to cut as much fracturing as possible. A single stage frack is planned after the well is drilled and produced to determine the productivity. Detailed analysis of the shows will aid in planning the frack.

The BBL acreage is located in the center of this very favorable productive trend. Per well cums in the area reach 200,000 to 300,000 and more barrels of oil. This productive area has the benefit of good well control to plan the lateral well and good cumulative production history for over 20 years.

Excellent Chalk production has been established in wells to the east and good fractured Chalk was drilled in the BBL Long Tall Sally immediately to the west of the Great Balls of Fire planned well path. Newer drilling and completion techniques applied in this historic producing area will yield excellent economic results.

The Great Balls of Fire is a good prospect that should penetrate a number of high quality fracture zones throughout the lateral length and make for a good Austin Chalk producer similar to those in the area. This well should be drilled.

James Grubb

Houston, Texas

JACK JARNEFELD

GEOLOGIST

BBL Operating Company:
GREAT BALLS OF FIRE #1-H
Austin Chalk Prospect - Robertson County, Texas

The Great Balls of Fire #1-H prospect is located in Robertson County and will be a southeast offset to the Long Tall Sally #1-H and the Regal #1-H RE well to the west that were recently completed by BBL Operating Company. BBL completed the Regal Unit reentry into the Austin Chalk formation on a well that was previously drilled in the Buda and Georgetown formations. The well initially tested at 198BO and BBL has recently completed a single stage Frac on the new lateral with success.

In the most recent BBL well drilled in the area, Long Tall Sally#1-H, and while drilling through the Austin Chalk, I collected excellent samples from the last 50' interval in the base of the lower Chalk.

The Great Balls of Fire will be drilled up dip towards the fracture system that contained the strong shows of oil and gas that was seen in the Long Tall Sally well.

The Great Balls of Fire #1-H prospect additionally offsets to the east and southeast by a collection of Chalk wells with cumulative production over 200,000 BO to 400,000 BO plus range with the majority of those wells still in production. Clayton Williams earlier discovered a highly charged fractured area to the west and drilled 16 wells almost a decade earlier than those to the east.

BBL plans to stimulate the Great Balls of Fire #1-H well with a multi stage frac at a later date. This procedure tends to more completely fracture the formation and production could be greatly increased over the wells in the area that were completed with just the single stage frac technology of the 1990s.

Offsetting wells were either produced with no fracture stimulation or with only a single stage frac. The single stage frac will go to the entire lateral at the same time and most of the frac water will tend to enter the portion of the formation that already contains the largest amount of natural fractures.

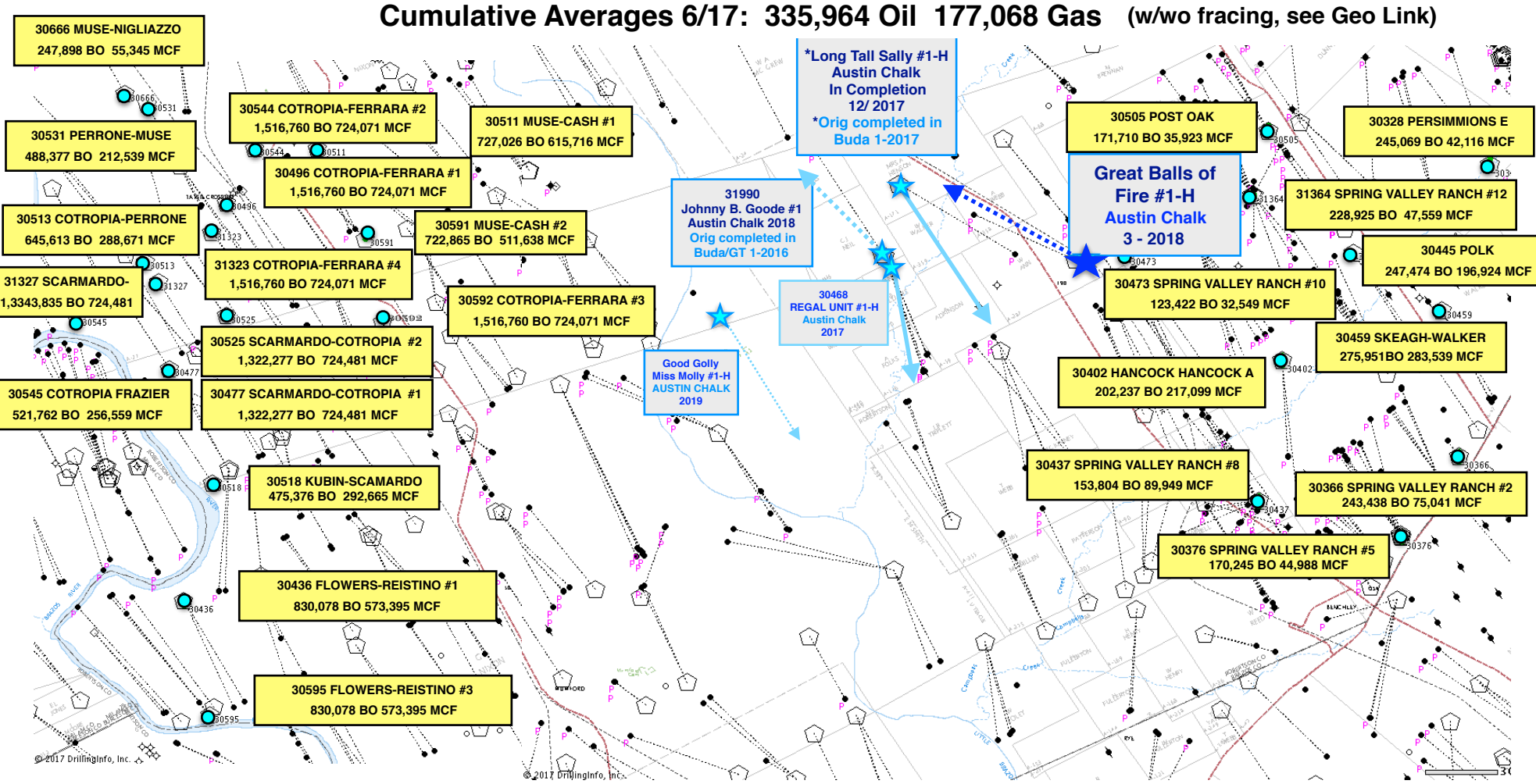
The Great Balls of Fire is set in a highly charged fracture area and the high success rate of offsetting wells to the west and east indicates with great certainty that the area has a strong regional fracture system and by stimulation of the well with a multi stage frac, even at a later date the total recovery could be far greater than the offsetting wells

Jack Jarnefeld

Offset Austin Chalk Well Map

API #	Lease	Well#	IP (BO/Day)	IP (MCF/Day)	First Prod	Last Prod	Cur. Avg. (BO/Day)	Cur. Avg. (MCF/Day)	Cumulative Oil	Cumulative Gas
42-395-31364	Spring Valley Ranch LL	12	284	99	Feb-09	Jun-17	10.6	11.33	235,434	48,349
42-395-30376	Spring Valley Ranch E	5	416	96	Mar-04	Jun-17	19	3	170,245	44,988
42-395-30473	Spring Valley Ranch J	10	334	118	Feb-03	Dec-16	0.03	0	123,422	32,549
42-395-30505	Post Oak B	2	59	21	Nov-02	Jun-17	6.13	0	171,710	35,923
42-395-30437	Spring Valley Ranch H	8	137	48	Jun-02	Jun-17	27.17	16.57	153,804	89,949
42-395-30402	Hancock-Hancock "A"	1RE	416	96	Jan-02	Jun-17	21.03	22.63	202,237	217,099
42-395-30366	Spring Valley Ranch B	2	293	102	Nov-01	Jun-17	23.8	9.6	243,438	75,041
42-395-30666	Muse-Nigliazzo Unit	1	376	100	Jul-01	Jun-17	13.37	2.43	247,900	55,345
42-395-30545	Cotopia Frazier Unit	1	715	178	Jan-98	Jun-17	24.43	30.77	521,762	256,559
42-395-30531	Perrone-Muse Unit	1	964	335	Sep-97	Jun-17	16.13	31.3	488,377	212,539
42-395-30511	Muse-Cash Unit	1	930	300	Aug-97	Jun-17	28.27	66.7	727,026	515,715
42-395-30591	Muse-Cash Unit	2	392	92	Aug-97	Jun-17	28.27	66.7	727,026	515,715
42-395-30518	Kubin-Scamardo Unit	1	614	181	Jul-97	Jun-17	17.4	29.9	477,946	297,024
42-395-30513	Cotropia-Perrone Unit	1	799	200	Jul-97	Jun-17	34	44.83	645,613	288,671
42-395-30496	Cotropia-Ferrara Unit	1	896	180	Apr-97	Jun-17	29.25	29.25	1,516,760	724,071
42-395-31323	Cotropia-Ferrara Unit	4	289	80	Apr-97	Jun-17	29.25	29.25	1,516,760	724,071
42-395-30592	Cotropia-Ferrara Unit	3	285	20	Apr-97	Jun-17	29.25	29.25	1,516,760	724,071
42-395-30544	Cotropia-Ferrara Unit	2	557	139	Apr-97	Jun-17	29.25	29.25	1,516,760	724,071
42-395-30477	Scamardo-Cotropia Unit	1	798	80	Jan-97	Jun-17	84.17	92.8	1,334,835	737,397
42-395-30525	Scamardo-Cotropia Unit	2	562	190	Jan-97	Jun-17	84.17	92.8	1,334,835	737,397
42-395-31327	Scamardo-Cotropia Unit	3	335	50	Jan-97	Jun-17	84.17	92.8	1,334,835	737,397
42-395-30459	Skeagh-Walker Unit	1	288	112	Sep-96	Jun-17	0	0.55	275,951	283,539
42-395-30595	Flowers-Reistino Unit	3	684	150	Apr-96	Nov-16	39.2	82.6	830,078	573,395
42-395-30436	Flowers-Reistino Unit	1	362	40	Apr-96	Nov-16	39.2	82.6	830,078	573,395
42-395-30445	Polk Unit	1	402	152	Jan-96	Jun-17	2.67	0	247,474	196,924
42-395-30436	Flowers Plantation Unit	1	684	150	Sep-95	Oct-99	121.81	32.35	211,963	53,660
42-395-30328	Persimmon Creek "E"	5	100	14	Mar-93	Jun-17	22.1	3.6	245,069	42,116

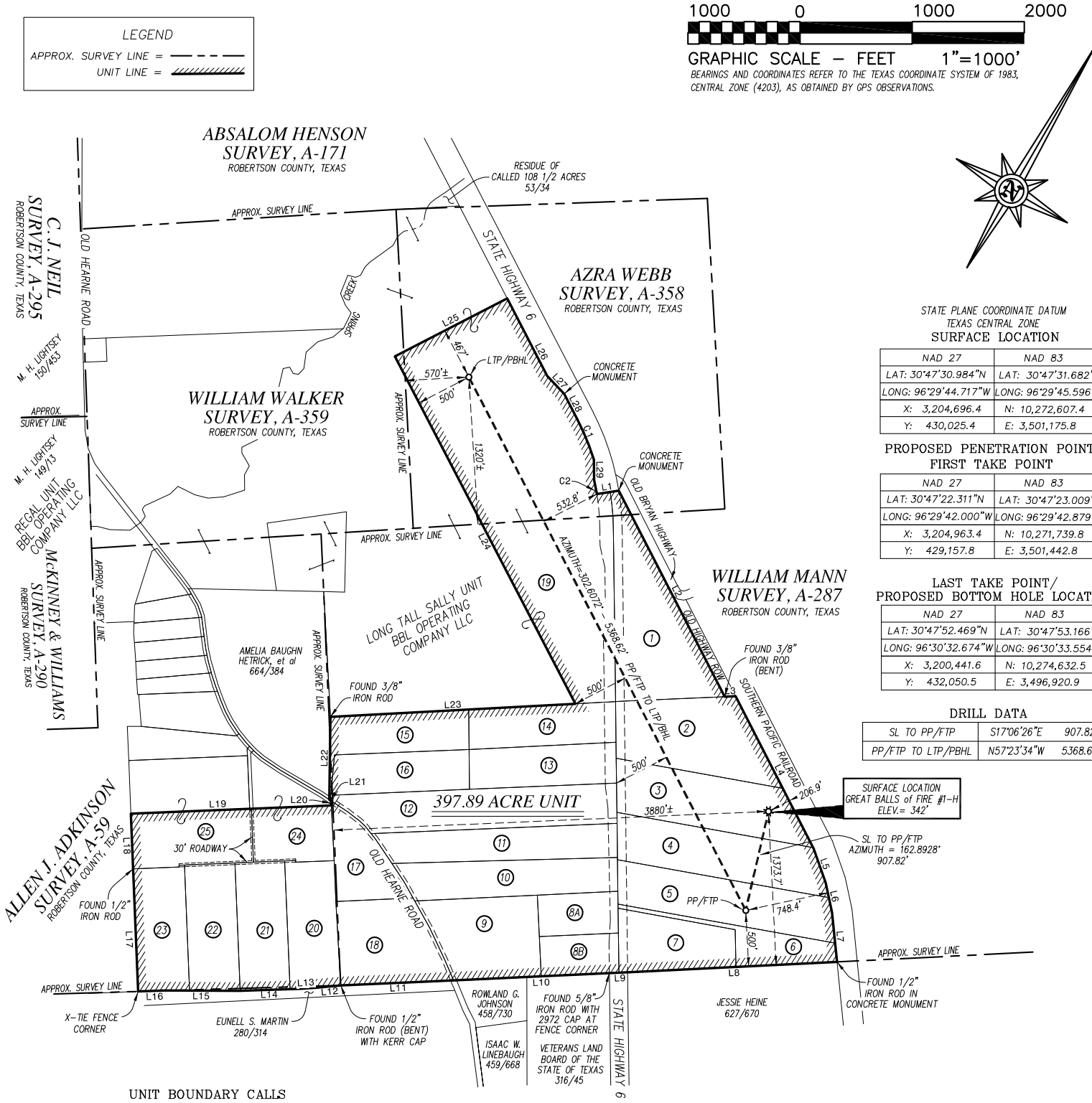
Cumulative Averages 6/17: 335,964 Oil 177,068 Gas (w/wo fracing, see Geo Link)



AUSTIN CHALK ★ BUDA ★ GEORGETOWN

* LOCATION MARKERS ARE APPROXIMATE

SOURCE: DRILLING INFO



STATE PLANE COORDINATE DATUM
TEXAS CENTRAL ZONE

SURFACE LOCATION

NAD 27	NAD 83
LAT: 30°47'30.984"N	LAT: 30°47'31.682"N
LONG: 96°29'44.717"W	LONG: 96°29'45.596"W
X: 3,204,696.4	N: 10,272,607.4
Y: 430,025.4	E: 3,501,175.8

PROPOSED PENETRATION POINT/ FIRST TAKE POINT

NAD 27	NAD 83
LAT: 30°47'22.311"N	LAT: 30°47'23.009"N
LONG: 96°29'42.000"W	LONG: 96°29'42.879"W
X: 3,204,963.4	N: 10,271,739.8
Y: 429,157.8	E: 3,501,442.8

LAST TAKE POINT/ PROPOSED BOTTOM HOLE LOCATION

NAD 27	NAD 83
LAT: 30°47'52.469"N	LAT: 30°47'53.166"N
LONG: 96°30'32.674"W	LONG: 96°30'33.554"W
X: 3,200,441.6	N: 10,274,632.5
Y: 432,050.5	E: 3,496,920.9

DRILL DATA

SL TO PP/FTP	S17°06'26"E 907.82'
PP/FTP TO LTP/PBHL	N57°23'34"W 5368.62'

UNIT BOUNDARY CALLS

Course	Bearing	Distance
L1	N51°01'14"E	198.06'
L2	S57°09'54"E	2070.91'
L3	N57°29'28"E	96.38'
L4	S57°04'00"E	1530.46'
L5	S49°21'52"E	320.38'
L6	S42°12'45"E	271.81'
L7	S35°41'26"E	445.22'
L8	S57°08'40"W	1847.52'
L9	S57°29'07"W	186.10'
L10	S57°17'06"W	1390.19'
L11	S57°30'12"W	1008.08'
L12	S54°26'49"W	212.82'
L13	S55°48'39"W	144.40'
L14	S58°07'36"W	547.37'
L15	S60°20'11"W	664.11'
L16	S57°56'57"W	239.48'
L17	N32°18'43"W	1096.53'
L18	N32°18'43"W	493.58'
L19	N57°38'55"E	1788.81'
L20	N32°58'56"W	40.88'
L21	N86°29'35"W	19.30'
L22	N29°11'40"W	739.89'
L23	N56°55'52"E	2187.34'
L24	N57°23'34"W	3496.42'
L25	N32°36'26"E	1127.14'
L26	S57°18'16"E	779.83'
L27	S73°08'36"E	219.85'
L28	S57°20'36"E	251.55'
L29	S31°02'36"E	179.80'

Curve	Radius	Length	Chord	Chord Bearing
C1	2203.23'	395.30'	394.77'	S52°12'36"E
C2	2217.17'	128.92'	128.90'	S40°38'42"E

TRACT	NAME	ACREAGE	VOL./PAGE
1	RAY LEE	22.29 AC.	863/699
2	VIRGINA B. BATSON	18.97 AC.	382/457
3	WILLIAM HOLT OLIVER, III, ET AL	17.89 AC.	608/599 608/610 608/587 849/206
4	STEVEN PAUL BAEN, ET AL	17.65 AC.	755/189
5	CONNIE LYNN REGINI GROCHOLSKI, ET AL	17.41 AC.	767/87
6	CONNIE LYNN REGINI GROCHOLSKI	6.51 AC.	294/697
7	WELDON EUGENE JOHNSON	10.89 AC.	1001/333
8A	THOMAS CHARLES POPE, ET AL	6.08 AC.	1232/238
8B	THOMAS CHARLES POPE, ET AL	5.70 AC.	1232/234
9	SUSAN KAY POPE BROWN, ET AL	15.50 AC.	1076/693
10	MARY BETH HAGLER BOND, ET AL	14.10 AC.	721/511
11	JOHNNY J. FAZZINO, ET AL	13.96 AC.	721/514
12	KYLE A. SCHEMBER, ET AL	19.58 AC.	844/615
13	JARVIS MILLER, ET AL	10.84 AC.	805/561
14	JARVIS MILLER, ET AL	10.86 AC.	637/455
15	JARVIS MILLER, ET AL	10.18 AC.	914/67
16	JARVIS MILLER, ET AL	10.00 AC.	954/567
17	DANIEL J. MORRISON, ET AL	8.48 AC.	356/418
18	RONALD VANCE POPE, ET AL	14.81 AC.	1107/628
19	ROSANNE PERRONNE ELY	79.67 AC.	251/34
20	DANIEL F. GREER	11.54 AC.	288/825
21	GEORGE G. GREER	11.72 AC.	288/821
22	OSCAR LYONS, JR., ET AL	11.71 AC.	391/370
23	JOANN GREER	11.60 AC.	580/586
24	EMILY GREER WEAVER	8.00 AC.	288/829
25	MINNIE GREER WEAVER	11.95 AC.	288/823
	TOTAL UNIT	397.89 AC.	

STATE OF TEXAS REGISTERED MATT D. LAMPE 5429 PROFESSIONAL LAND SURVEYOR

PP=PENETRATION POINT
FTP=FIRST TAKE POINT
LTP=LAST TAKE POINT
PBHL=PROPOSED BOTTOM HOLE LOCATION

Title & As Drilled Data furnished by BBL Operating Company LLC.

Prepared from a partial on the ground survey, deeds and other instruments furnished by BBL Operating Company LLC.

I, Matt D. Lampe, Registered Professional Land Surveyor No. 5429 of the State of Texas, do hereby certify this plat shows the surface location of the subject well as staked on the ground under my direction.

Dated this the 3rd day of August, 2017.

Matt D. Lampe
R.P.L.S. No. 5429
Lampe Surveying, Inc

397.89 ACRE UNIT
BBL OPERATING COMPANY LLC
GREAT BALLS of FIRE #1-H

ROBERTSON COUNTY, TEXAS
Surface location is approximately 8.5 miles southeast of Hearne, Robertson County, Texas.

LAMPE SURVEYING, INC
PROFESSIONAL LAND SURVEYORS
1408 WEST MAIN STREET
P.O. BOX 2037
BRENHAM, TEXAS 77834
(979) 836-6677 * FAX (979) 836-1177
TEXAS LICENSED SURVEYING FIRM NO. 10040700

WO 3149 RRC5.DWG 3087BBL.CGC

GREAT BALLS of FIRE WELLBORE PLAN

BBL Operating Co.

Well: **Great Balls of Fire #1-H** Status: **Preparing**
API #: TCEQ SC No:
County: **Robertson** GLE / KB **GL 320**
State: **TX** AFE Drilling Cost:
AFE # AFE D&C Cost:
Last Updated: **2/24/17**

Hole Size	Casing Program	Formation	Depth, RKB MD	Depth, RKB TVD	Pore Pressure	Mud	Planned MW	Bits	Directional Plan	Fit and Other	Cement
12 1/4		Surface					Water	PDC			616 sx 'A&C ' 305 sx 'A '
		Ream Hole Before Setting Casing									
		Surf Csg	±2875	±2875	9 5/8" 36# casing Set at 2875±						
8 3/4						Gel	9.5#	PDC		Normal	
		Top of Cement Estimated at 4500'									
		A/C		6561							
		Ash Marker		6729		Low Waterloss (<8) Gel Mud 9.5#min					
		Eagleford		6739					30 deg at Csg Pt.		378 sks H
		7 " 26# Casing set at 65 Deg									
		Drill Highly Productive / Fractured Areas of Austin Chalk per Geologist									
6 1/8											

Water Mud for laterals

Evaluation:

Mud Logging: Spot sampling by Geologist

MWD: GR

RAILROAD COMMISSION OF TEXAS

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

Form W-2

Status: Submitted
Date: 02/05/2018
Tracking No.: 186631

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION

Operator Name: BBL OPERATING COMPANY LLC **Operator No.:** 058910
Operator Address: PO BOX 2627 GRAPEVINE, TX 76051-0000

WELL INFORMATION

API No.: 42-395-32002
County: ROBERTSON
Well No.: 1H
RRC District No.: 03
Lease Name: LONG TALL SALLY
Field Name: GIDDINGS (AUSTIN CHALK-3)
RRC Lease No.:
Field No.: 34733500
Location: Section: ,Block: , Survey: HENSON, MRS A, Abstract: 171

Latitude:
Longitude:
This well is located 6.9 **miles in a** SE **direction from** HEARNE, **which is the nearest town in the county.**

FILING INFORMATION

Purpose of filing: Initial Potential
Type of completion: Plug Back
Well Type: Producing
Completion or Recompletion Date: 01/09/2018

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	11/03/2017	832498
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 12/05/2017
Date of first production after rig released: 01/09/2018
Date plug back, deepening, recompletion, or drilling operation commenced: 12/05/2017
Date plug back, deepening, recompletion, or drilling operation ended: 12/27/2017
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: 495.19
Elevation (ft.): 318 GL
Total depth TVD (ft.): 6702
Total depth MD (ft.): 12323
Plug back depth TVD (ft.): 6399
Plug back depth MD (ft.): 6418
Was directional survey made other than inclination (Form W-12)? Yes
Rotation time within surface casing (hours): 0.0
Is Cementing Affidavit (Form W-15) attached? No
Recompletion or reclass? No
Multiple completion? No
Type(s) of electric or other log(s) run: Gamma Ray (MWD)
Electric Log Other Description:

Location of well, relative to nearest lease boundaries of lease on which this well is located: 1046.6 **Feet from the** SW **Line and** 431.7 **Feet from the** NW **Line of the** LONG TALL SALLY **Lease.**
Off Lease : No

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.

Field & Reservoir	Gas ID or Oil Lease No.	Well No.	Prior Service Type
GIDDINGS (BUDA)	27259	1H	Producing

PACKET

W2: N/A

FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:

GAU Groundwater Protection Determination	**Depth (ft.):** 2875.0	**Date:** 10/18/2016
SWR 13 Exception	**Depth (ft.):**	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of test: 01/21/2018	**Production method:** Pumping
Number of hours tested: 24	**Choke size:** 38/64
Was swab used during this test? No	**Oil produced prior to test:** 204.00

PRODUCTION DURING TEST PERIOD:

Oil (BBLS): 224.00	**Gas (MCF):** 72
Gas - Oil Ratio: 321	**Flowing Tubing Pressure:** 100.00
Water (BBLS): 230	

CALCULATED 24-HOUR RATE

Oil (BBLS): 224.0	**Gas (MCF):** 72
Oil Gravity - API - 60.: 38.0	**Casing Pressure:** 40.00
Water (BBLS): 230	

CASING RECORD

Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Tool Depth (ft.)	Multi - Stage Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	10 3/4	13 1/2	2750			A/C	942	1847.0	SURFACE	Circulated to Surface
2	Intermediate	7	9 7/8	7318	2900		A/C	503	1065.0	0	Circulated to Surface
3	Intermediate	7	9 7/8	7318			H	508	620.0	2900	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	6394	6321 / BAKER MODEL R

PRODUCING/INJECTION/DISPOSAL INTERVAL

Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 6418	12323.0

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:

Actual maximum pressure (PSIG) during hydraulic fracturing:

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.)

RAILROAD COMMISSION OF TEXAS

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

Form W-2

Status: Submitted
Date: 10/12/2016
Tracking No.: 162849

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION

Operator Name: BBL OPERATING COMPANY LLC **Operator No.:** 058910
Operator Address: PO BOX 2627 GRAPEVINE, TX 76051-0000

WELL INFORMATION

API No.: 42-395-30468 **County:** ROBERTSON
Well No.: 1H **RRC District No.:** 03
Lease Name: REGAL UNIT **Field Name:** GIDDINGS (AUSTIN CHALK-3)
RRC Lease No.: **Field No.:** 34733500
Location: Section: ,Block: , Survey: NIEL, C J, Abstract: 295

Latitude: 30.77737 **Longitude:** -96.51575
This well is located 16.25 **miles in a** SW **direction from** FRANKLIN, **which is the nearest town in the county.**

FILING INFORMATION

Purpose of filing: Initial Potential
Type of completion: Re-entry
Well Type: Producing **Completion or Recompletion Date:** 09/10/2016

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	04/25/2016	815108
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 05/10/2016 **Date of first production after rig released:** 09/10/2016
Date plug back, deepening, recompletion, or drilling operation commenced: 05/10/2016 **Date plug back, deepening, recompletion, or drilling operation ended:** 07/22/2016
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: 542.77 **Elevation (ft.):** 297 GL
Total depth TVD (ft.): 6712 **Total depth MD (ft.):** 12175
Plug back depth TVD (ft.): 6490 **Plug back depth MD (ft.):** 6518
Was directional survey made other than inclination (Form W-12)? Yes **Rotation time within surface casing (hours):** 0.0
Is Cementing Affidavit (Form W-15) attached? Yes
Recompletion or reclass? No **Multiple completion?** No
Type(s) of electric or other log(s) run: None
Electric Log Other Description:
Location of well, relative to nearest lease boundaries of lease on which this well is located: 367.0 **Feet from the** NW **Line and** 807.0 **Feet from the** NE **Line of the** **Off Lease :** No

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of test: 09/14/2016
Production method: Pumping
Number of hours tested: 24
Choke size: 18/64
Was swab used during this test? No
Oil produced prior to test: 235.00

PRODUCTION DURING TEST PERIOD:

Oil (BBLS): 195.00
Gas (MCF): 19
Gas - Oil Ratio: 97
Flowing Tubing Pressure:
Water (BBLS): 165

CALCULATED 24-HOUR RATE

Oil (BBLS): 195.0
Gas (MCF): 19
Oil Gravity - API - 60.: 32.5
Casing Pressure: 50.00
Water (BBLS): 165

CASING RECORD

Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Tool Depth (ft.)	Multi - Stage Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	10 3/4	14 3/4	1475			A	630	1434.0	SURFACE	Circulated to Surface
2	Intermediate	7 5/8	9 7/8	7280	2932		A	565	1267.0	SURFACE	Circulated to Surface
3	Intermediate	7 5/8	9 7/8	7280		7280	A	440	559.0	5030	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
1	4 1/2	6 3/4	7160	7766		0			

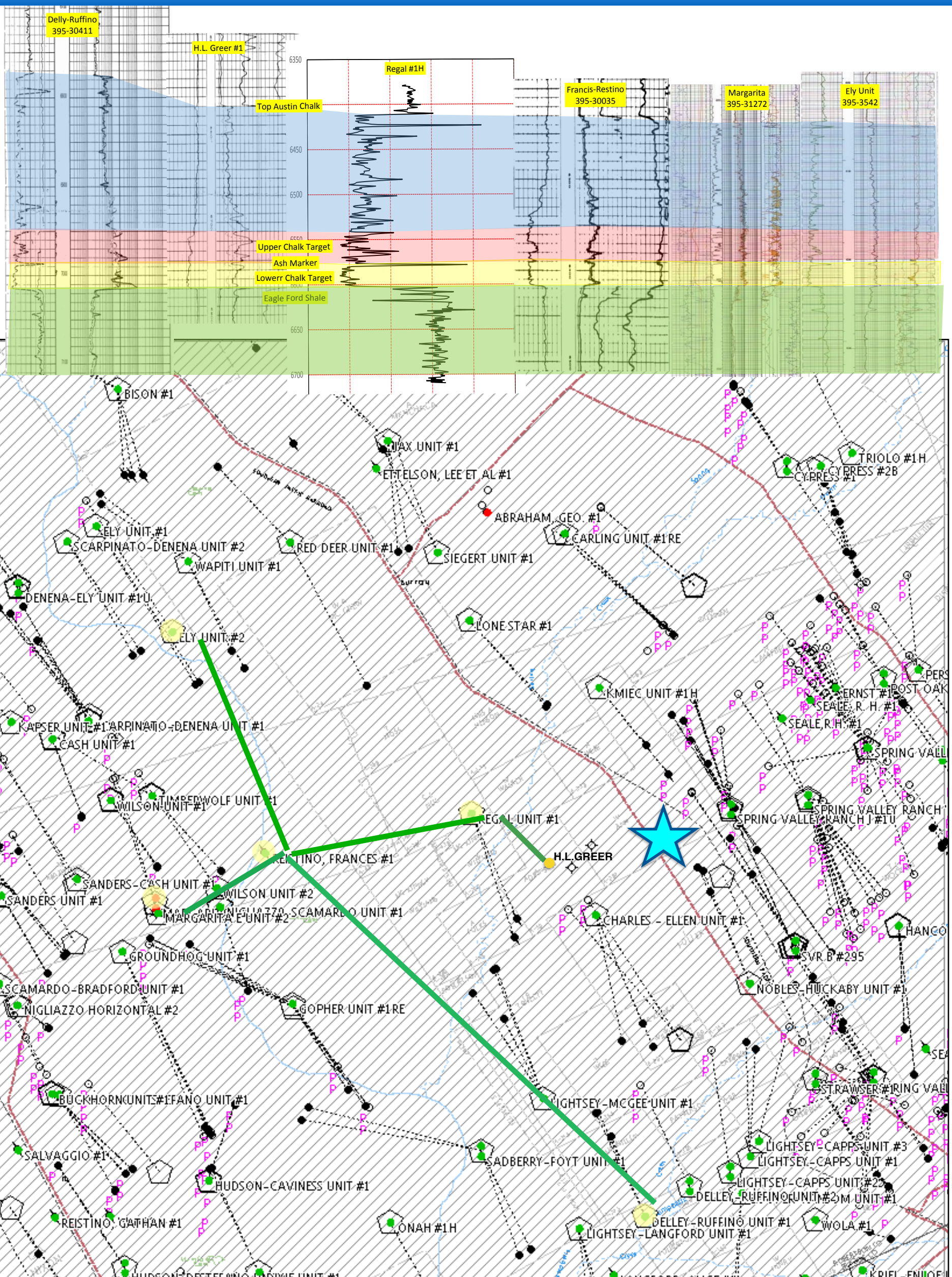
TUBING RECORD

Row	Size (in.)	Depth Size (ft.)	Packer Depth (ft.)/Type
1	2 7/8	6490	/

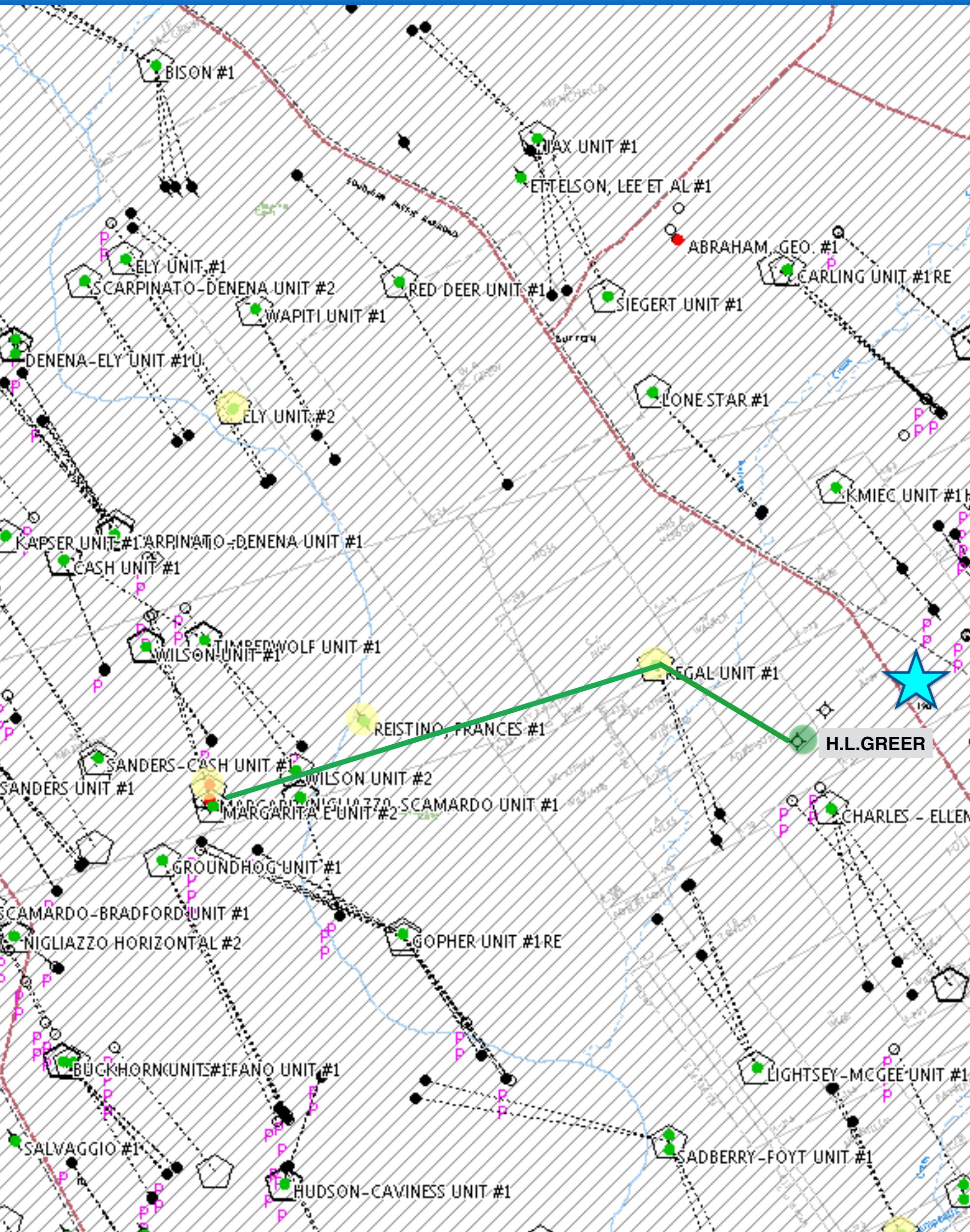
PRODUCING/INJECTION/DISPOSAL INTERVAL

Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 6509	12175.0

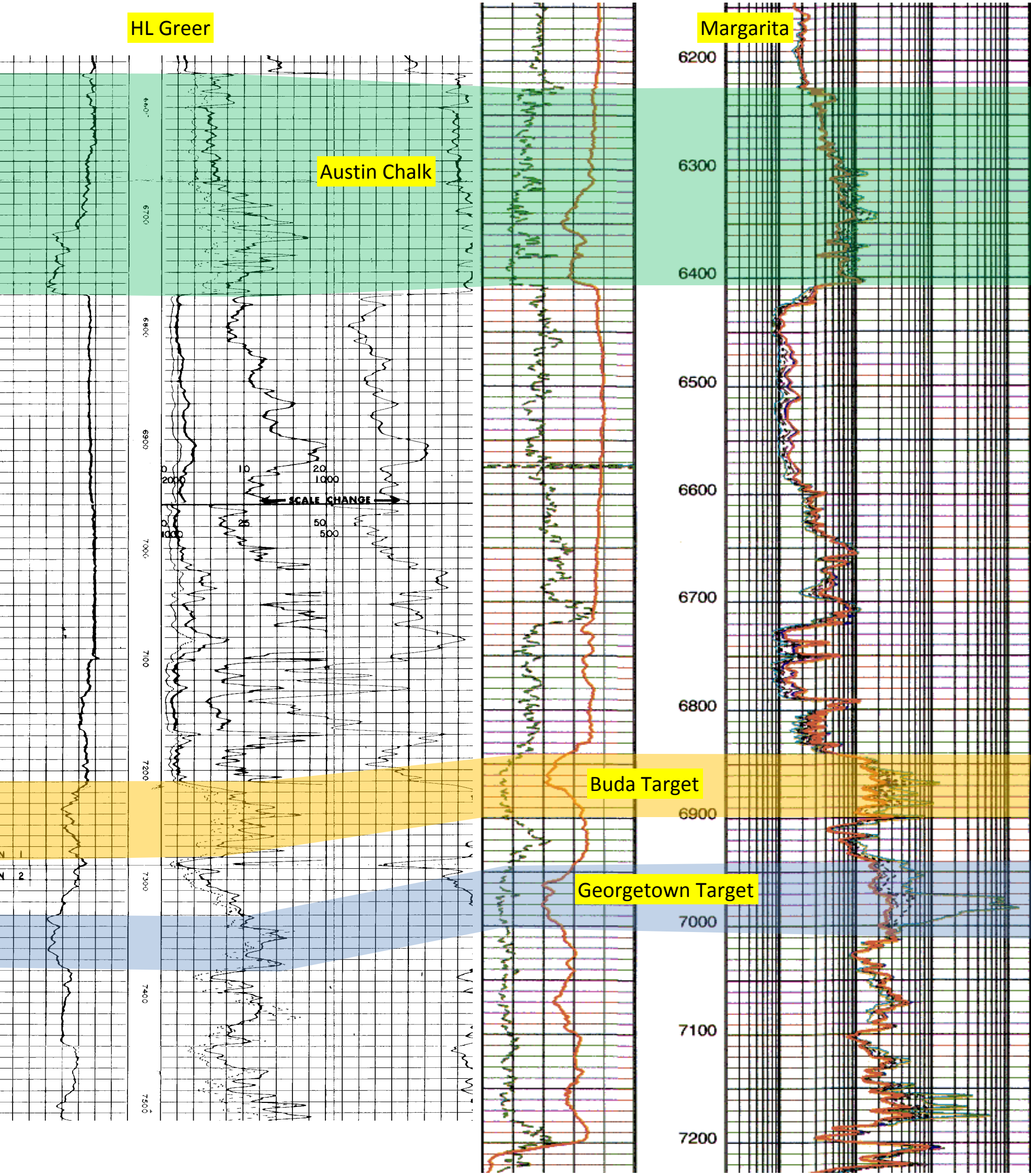
CROSS SECTION TARGET FORMATIONS



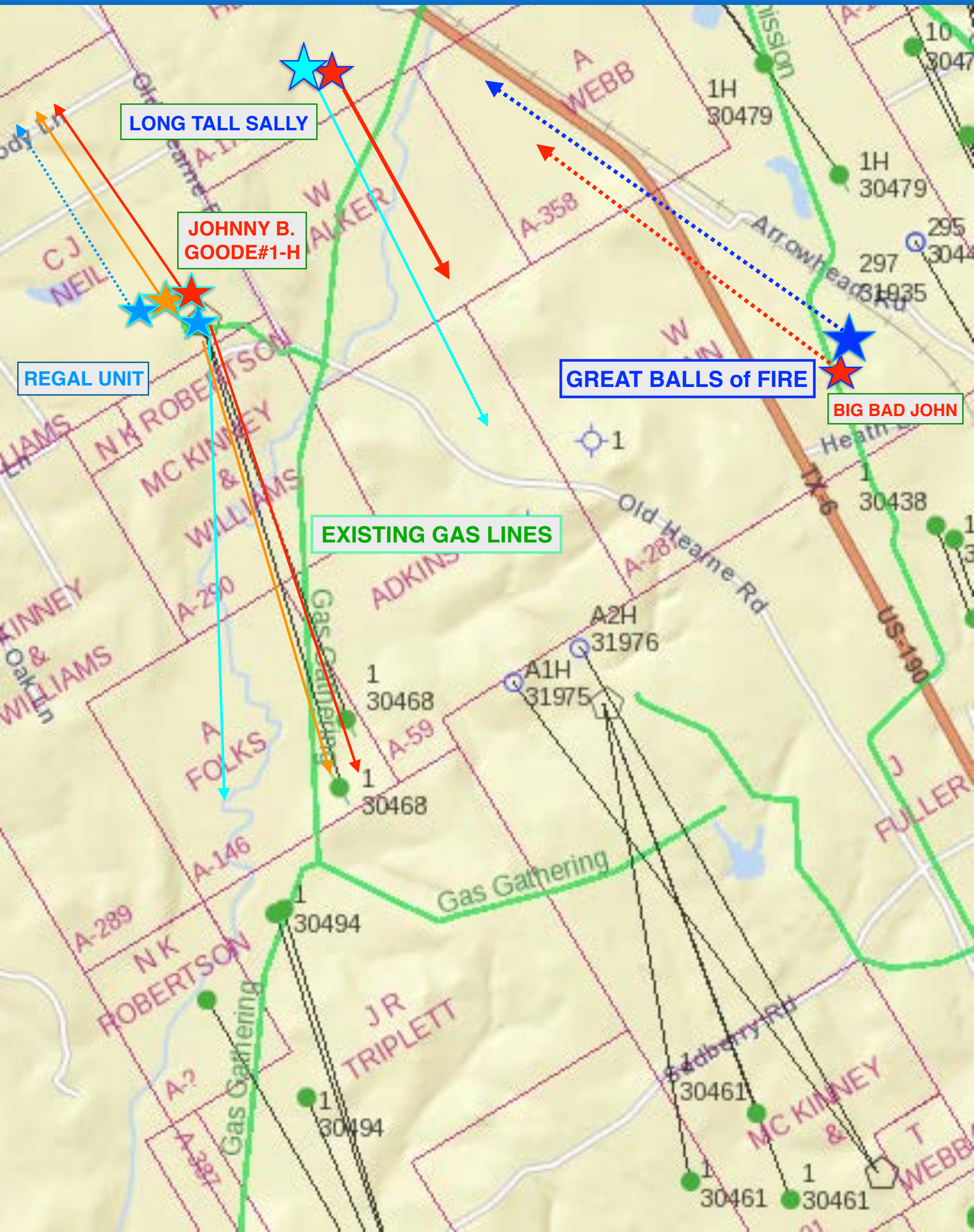
CROSS SECTION PATH



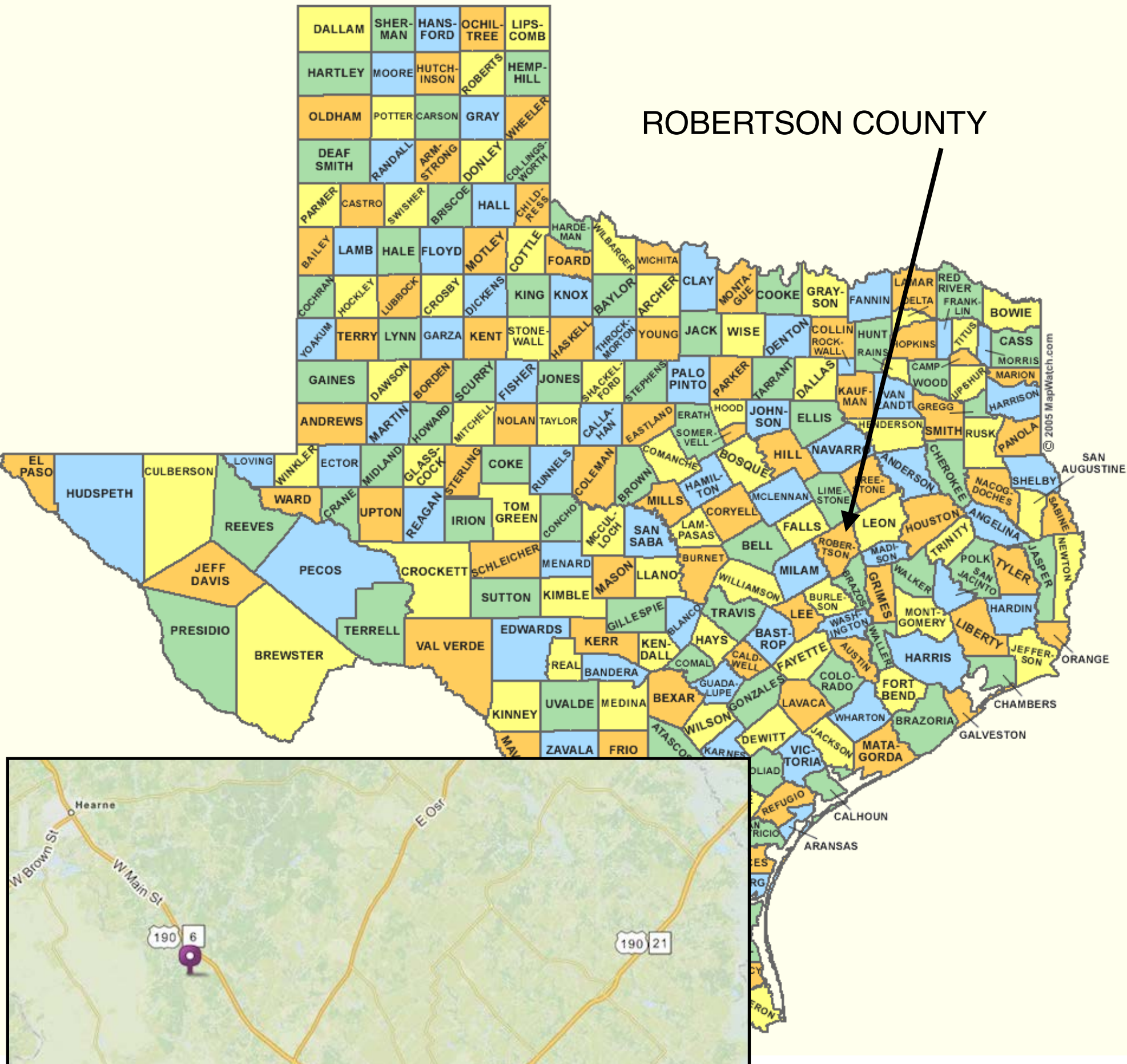
CROSS SECTION TARGET FORMATIONS

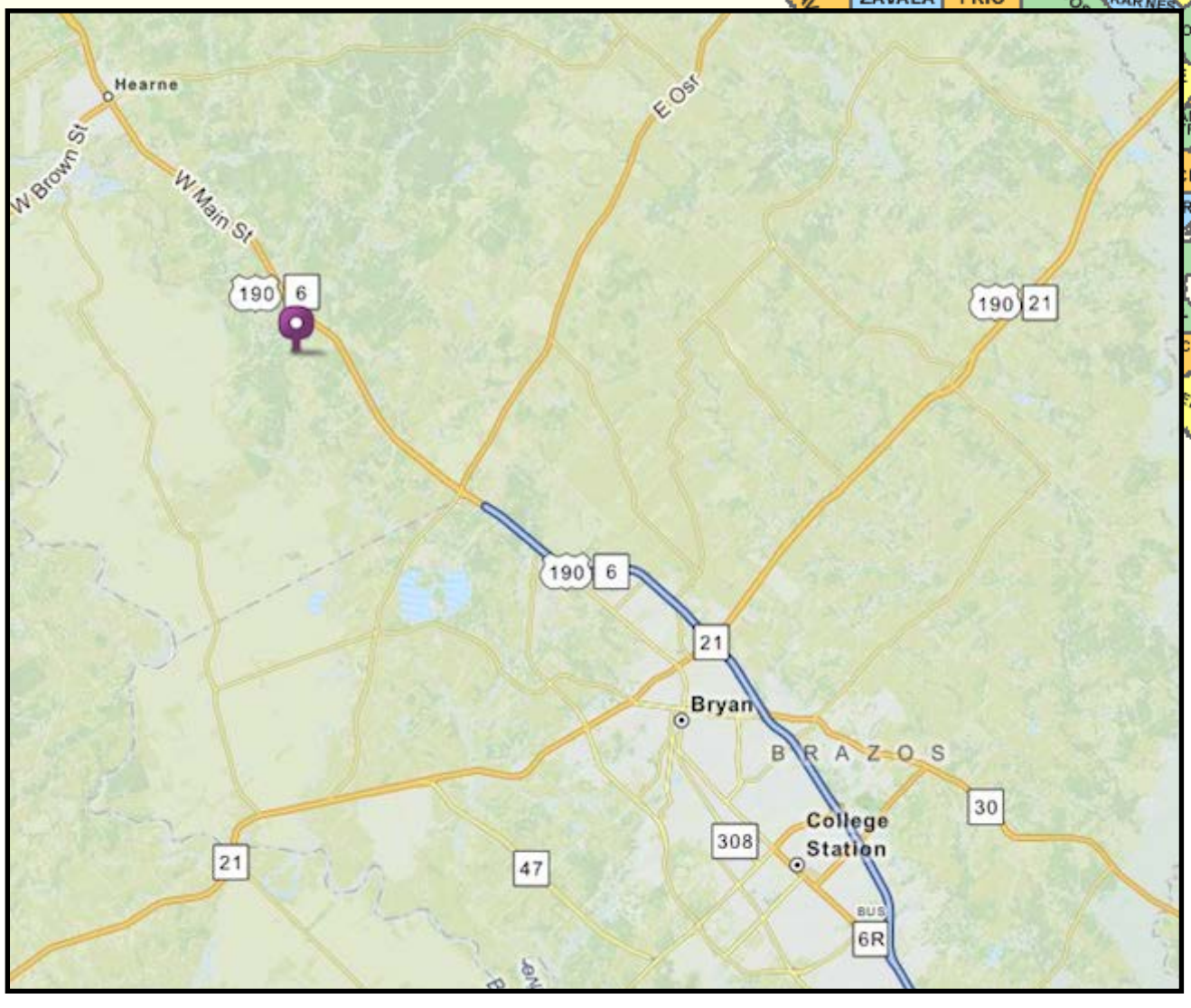


ETC GAS LINE MAP



LOCATOR MAP





30.792022, -96.495989

WILLIAM MANN SURVEY A-287

ROBERTSON COUNTY TEXAS

BBL

BBL
Operating Company

817-369-4171
P.O Box 69
Colleyville, Texas 76034

WWW.BBL-OPERATING-COMPANY.COM