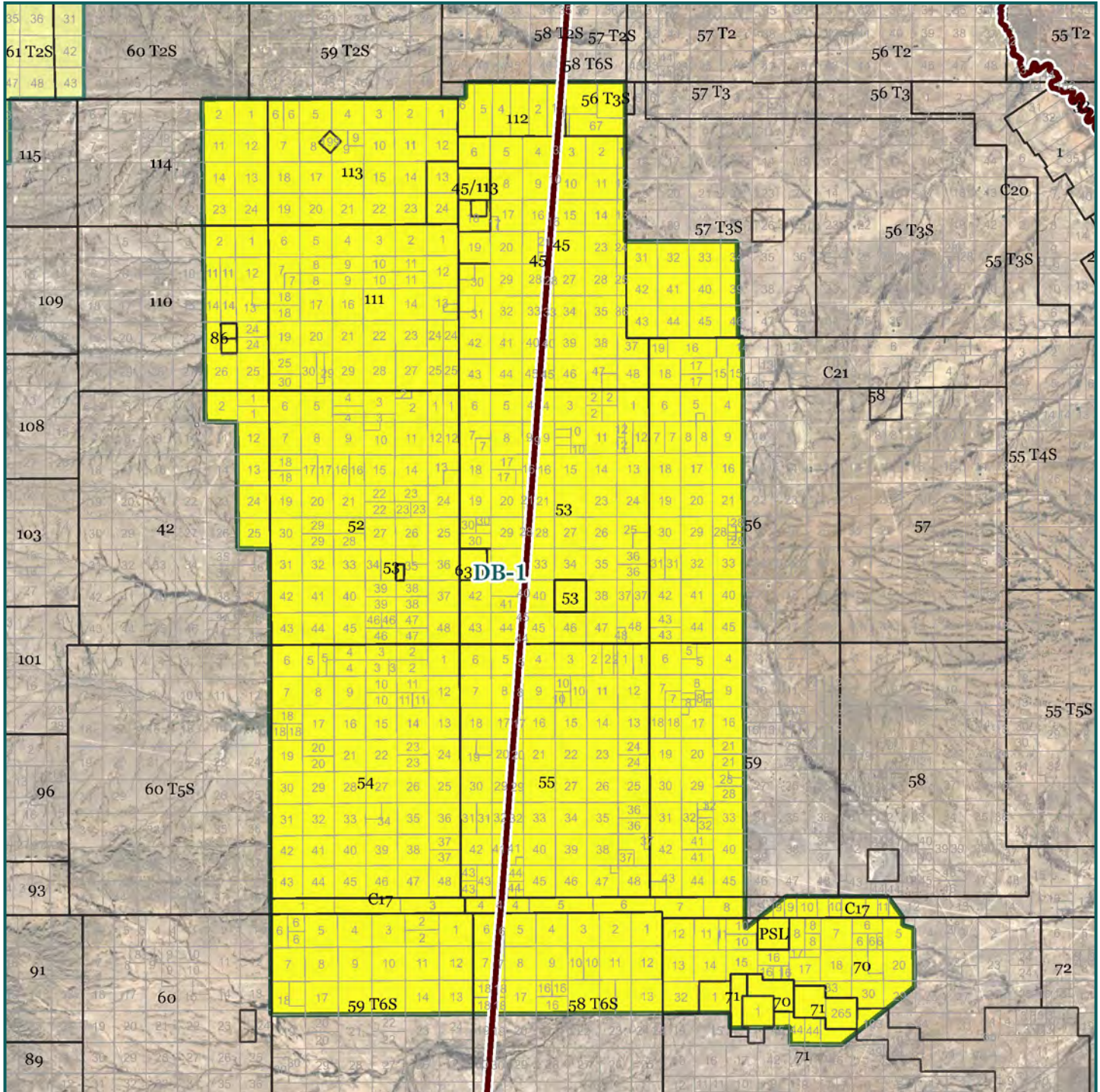


DB-1 3D

Culberson & Reeves Counties, TX
462 mi²



TRNCO Petroleum Corporation
brokered by GPI



Drill with Confidence



1740 Westheimer, Suite 200
Houston, TX 77098

www.geopursuit.com
(713) 529-3000

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DB-1 3D

Culberson & Reeves Counties, TX
462 mi²



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Acquisition Parameters	DB-1 (northwest)	DB-1 (east & south)	Toyah Arch
Recording Template:	Orthogonal; 30 E-W receiver lines of 220 stations w/ N-S source lines	24 E-W receiver lines of 240 stations w/ N-S source lines	16 NE-SW receiver lines of 208 stations w/ NNE-SSW source lines
Receiver Geometry:	165ft stations @ 990ft lines	165ft stations @ 990ft lines	165ft stations @ 1,155ft
Source Geometry:	165ft stations @ 825ft lines	165ft stations @ 825ft lines	165ft stations @ 825ft
Trace Density:	1,351,680/mi ²	1,179,648/mi ²	681,574/mi ²
Energy Source Type:	VibroSeis; four 60K lb/fleet	four 60K lb/fleet	
Energy Source Details:	Three 4-76Hz 16sec sweeps	Three 4-76Hz 16sec sweeps	
Recording Instruments:	ARAM Aries	Z Land	ARAM Aries
Nominal Far Offset:	23,335ft (18,068ft IL x 14,768ft XL)	22,977ft (19,718ft IL x 11,798ft XL)	19,378ft (17,078ft IL x 9,158ft XL)
Nominal Fold:	330 (22 IL x 15 XL)	288 (24 IL x 12 XL)	166 (20.8 IL x 8 XL)
Acquisition Bin Size:	82.5x82.5 ft	82.5x82.5 ft	82.5x82.5 ft
Record Length:	5sec @ 2ms	5sec @ 2ms	5sec @ 2ms
Acquisition Period:	Sep 2011-Jan 2012	Nov 2011-May 2012	
Contractor:	Dawson; Crew 35	Dawson; Crew 35	

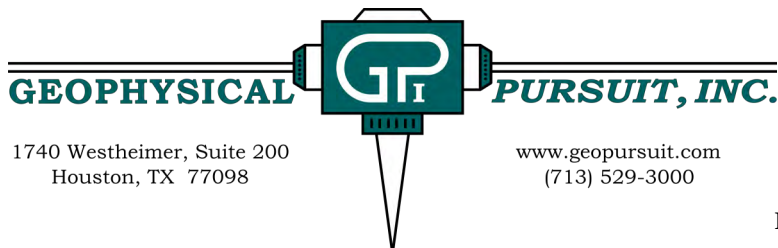
Processing Sequence (FairfieldNodal 2016)

1. Reformat & Merge geometry
2. Spherical divergence amplitude recovery
3. Vibroseis minimum phase conversion
4. Recording system phase matching
5. Refraction statics: datum 3,800ft @ 12,000ft/sec
6. Surface consistent amplitude compensation
7. Surface consistent spiking deconvolution (210ms)
8. F-K DeNoise
9. Frequency Dependent Diversity Scaling
10. Velocity analysis @ 1mi
11. Surface consistent residual statics
12. Cross-spread DeNoise
13. Velocity analysis @ 1/2mi
14. Surface consistent residual statics
15. Offset Vector Tile (OVT) binning
16. Scale
17. PreStack Time Migration (PrSTM) velocity analysis
18. OVT Kirchhoff curved ray PrSTM
19. Stack
20. DeNoise, Scale & Filter

Available Products

- A. PrSTM volumes
 - a. Full offset stacks; Raw & Final
 - b. AZVA Full offset stacks; Raw & Final
- B. AZVA Attributes
 - a. V fast RMS
 - b. Vslow RMS
 - c. Beta (Azimuth)
 - d. Eccentricity (% Anisotropy)
- C. Velocities
 - a. Stack RMS
 - b. PrSTM Interval

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