

Taylor #1-A

Tornado Project Area
Weld County, Colorado



P&A PROCEDURE

September 6, 2013

Executive Brief

The scope of this work is to re-enter the old wellbore that had previously been plugged and abandoned. The well will be properly plugged and abandoned by setting cement plugs to isolate the formation, freshwater zone, and setting a cement cap near the surface. Then the surface casing will have a plate welled as final seal 5' below the surface. The old wellbore will then be buried and the surface location will be remediated.

Well Information	
Surface Location	841' FNL & 1799' FWL from the Section Line
Lat/Long	Lat: 40.638295 & Long:-104.061691
API Number	05-123-15471
AFE Number	
Ground Level Elevation, feet	4,897'
Working Interest	100%
Estimated TD, feet	7,000'

Formation Tops	
Top Names	Footage
Freshwater Zone (Arapahoe)	0' - 359'
Niobrara	6128'
Coddell	NA
D Sand	NA
J Sand	NA

Existing Tubular Data										
Size in	Depth	Weight	Grade	ID	Drift	Thread	Burst w/ No SF	Collapse w/ No SF	Capacity	Capacity
	(MD ft)	lb/ft		In	In		Psi	Psi	Bbl/ft	ft ³ /ft
8 5/8"	441	24		8.097	7.972	LTC	2,270	1,400	0.06368	0.35758
4 1/2"	6,120 - 7,000	11.6		4.000	3.875	LTC	2,270	1,400	0.01554	0.08727

Directions to Location: From Briggsdale head east on Hwy 14 to CR 105. Then head south on CR 115 for 1 mile to the Bailey 26 Pad access road. Access to the Taylor #1-A site can be gained from the Bailey 26 Pad. **All personnel should keep their speed down to 30 mph once they are near a residence or in a high traffic area to minimize dust.**

PERFORM SAFETY CHECKS AND SAFETY MEETING

Perform safety meeting prior to rigging up **ANY** equipment on location. Discuss the job procedure and objectives with all personnel on location. Document the safety meeting on the report sent to Carrizo. Make note of all potential risks/hazards, and clearly identify an emergency route and emergency vehicle. Also make note of any new or inexperienced personnel on location. Ensure proper Personal Protective Equipment (PPE) is used during the job. Minimums are hard hats, steel toes, and safety glasses.

1. Locate old surface casing using magnetometer. Record the GPS coordinates and the datum used for the GPS coordinates. Set a stake and try to locate the boundaries of the old pad site.

3. Install flange. If rig is not on location then install a dry hole tree to secure the well until the rig arrives.

4. MIRU workover rig and related equipment including pipe racks, catwalk, rig tank, mud system, and pump. Bleed off any pressure on the dry hole tree. ND the dry hole tree and NU the rig BOP's.

6. Drill up top cement plug if encountered and expect the to be 30' - 50' in length. Continue drilling or RIH in the hole to top of the next plug at **347'**.

8. POOH with BHA and RIH with a notch collar to wash down to the top of the 4 1/2" casing at **6,120'**. Continue to 6,220' and circulate for 1 hour to clean up hole.

9. RU cementers. Test lines to 4,500 psi.

11. Once the top plug has been set cut casing to 5' below surface and weld on a plate to seal the well. Cover up the well and remediate the disturbed area with the appropriate seed mix.

Total **219** sacks