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Name: Templeton 1-27
 API:30-045-10412, 10/05/2017

Well Plugging Report

Cement Summary

LD tubing - Excessive scale on tubing made difficult to handle with MYT elevators. Water continued to flow up tubing.

TBG float & FB tank - C&J trucking brought 400 bbl flow back tank. M&R trucking brought tubing float with 210 joints of 2-3/8 J-55 tubing.

Plug #1 Dakota and Gallup; with CIBP at 6360', mix and pump 86 sxs Class B cement (15.5 ppg, 101.48 cf.) from 6360' to 5601' have to tag no CSG test. Tag 5592'.

Plug #2 Mancos; with 3 HSC holes at 4602'; inside outside, with CR at 4552'; mix and pump 56 sxs Class B cement (15.6 ppg 66.08 cf) from 4602' to 4376'; squeeze 30 sxs out into the annulus 6 sxs below the CR and 20 above the CR.

Plug #3 Mesaverde; with 3 HSC holes at 3622'; inside / outside, with CR at 3556' mix and pump 68 sxs Class B cement (15.5 ppg, 80.24 cf,) from 3622' to 3522' outside; attempting to leave the CR uncapped. J. Durham with NMOCD approved the plug on 9-29-17 at 10:00 AM

Plug #3 was tagged at 2941' and was approved by J. Durham and continue on with procedure.

Plug #4 (CHACRA).with 3 HSC holes at 2874'; inside / outside, with CR at 2837' mix and pump 48 sxs Class B cement (15.5 ppg, 56.64 cf,) below CR attempting to leave the CR uncapped. J. Durham with NMOCD approved the plug on 10-2-17 at 10:00 AM. Tag 2784'.

Water disposal - Disposal was done by THREE RIVERS TRUCKING.

Plug #5 Pictured Cliffs and Fruitland; with 3 HSC holes at 1908'; inside / outside, with CR at 1858' mix and pump 189 sxs Class B cement (15.5 ppg, 340.2 cf,) from 1908' to 1408', leaving 51 sxs above, 6 sxs below and 132 sxs outside; J. Durham with NMOCD approved the tag and plug on 10-3-17 at 10:00 AM

Plug #6 Kirtland and Ojo Alamo; with 3 HSC holes at 884'; inside / outside, with CR at 840' mix and pump 78 sxs Class B cement (15.5 ppg, 92.04 cf,) from 884' to 655', leaving 21 sxs above, 5 sxs below and 52 sxs outside.

As P Surface; mix and pump 110 sxs Class B cement (15.5 ppg 129.8 cf) inside outside from 315' to surface with good cement to the pit.

Work Detail

PUX	Activity
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09/21/2017

P	Road daylight unit and pumping equipment to location.
P	JSA. Spot pumping equipment and daylight unit. RU daylight unit.
P	Check PSI; SITP - 425#, SICP - 600#, SIBH - 10#. (Wait on flow back tank). RU flow back hardline and open well to tank, watch and monitor flow. Well made 50 bbls in one hour.
P	ND WH. Function test BOP. NU BOP. (WH & WH lock down pins were difficult to remove.)
P	RU rig floor and tubing equipment. Tubing was stuck and had to be worked free

to remove tubing hanger.

P TOOOh and tally pipe. Found hole in tubing at 3689'. Tubing was unable to be worked due to bad collar and became unsafe to work without proper elevators. SDFD. Clean and secure location.

P Travel back to yard.

09/22/2017

P Load supplies and travel to location.

P JSA. Inspect and start rig equipment.

P Check PSI: SICP - 575#, SITP - 575#, SIBH - 0#. Open well to flow back tank.

P Swap tubing elevators. LD tubing (Tubing was difficult to handle due to excessive scale). TIH with remaining tubing. LD a total of 206 joints of 2-3/8, J-55 tubing.

P Swap tubing floats.

P Tally and PU tubing. RIH with 5.5 string mill to EOT 6408'. LD to plug #1 at 6360'.

P TOOOh, LD 5.5 string mill. SIW.

P Clean and secure location. SDFD.

P Travel back to yard.

09/25/2017

P Load supplies and travel to location.

P JSA. Inspect and start rig equipment.

P Check PSI: SICP - 575#, SIBH - 0#. Open well to flow back tank. Well flowing fluid.

P ND the stripping head and NU the W-L flange. RIH with 5-1/2" CIBP and set it at 6360', POOH. J. Durham with NMOCD approved the CIBP on 9-25-17 at 8:00. RIH with logging tool to 6360' and log to surface. The log above 2000' has the water flowing and interfering. Good CMT from 6360' to 5772'.

P ND the W-L flange and NU the stripping head. Dig out around the WH. Drain and secure location, SDFD.

Return to yard.

09/26/2017

P Load supplies and travel to location.

P JSA. Inspect and start rig equipment.

P Check PSI: SICP - 575#, SIBH - 0#. Open well to flow back tank. Well flowing fluid.

P Spot in water truck and RU lines.

P PU Weatherford PKR, TIH and isolate the bottom hole at 3580'. Star working on the upper hole and the PKR acted like it failed.

P TOOOh and inspect the PKR.

P TIH with PKR and isolate top hole at 2197'. Found holes in the CSG from 3580' - 2197'. Clean and secure location SDFD.

P Return to yard.

09/27/2017

P Load supplies and travel to location.

P JSA. Inspect and start rig equipment.

P Check PSI: SICP - 0 PSI, SITP - 495 PSI SIBH - 0 PSI. Open well to flow back tank. Well flowing fluid. The PKR was set at 2197'..

P Swap out water trucks and unload the yellow dog.

P Release the PKR, TOOOh and LD the PKR.

P RD the flow line and dig the pit.

P RU floor and the flow line.

P TIH to 6360' and pump 25 bbl. fresh water ahead.

P Plug #1 Dakota and Gallup; with CIBP at 6360', mix and pump 86 sxs Class B cement (15.5 ppg, 101.48 cf.) from 6360' to 5601' have to tag no CSG test.

P TOOOh LD to 5592' and continue TOOOh.

P Return to the yard.
 09/28/2017
 P Load supplies and travel to location.
 P JSA. Inspect and start rig equipment.
 P Check PSI: SICP - 0 PSI, SITP - 495 PSI SIBH - 0 PSI. Open well to flow back tank. Well flowing fluid.
 P PU the plugging sub, TIH and tag the TOC at 5592'. TOOHD to 4548' and continue out.
 P RIH with 3-1/8" HSC and perf 3 holes at 4602', POOH. PU 5-1/2" WL set CR and RIH and set at 4552' POOH.
 P PU the stinger, TIH to 4552', pump 15 bbl. ahead, sting into the CR and establish rate of 2 BPM at 1500 PSI.
 P Plug #2 Mancos; with 3 HSC holes at 4602'; inside outside, with CR at 4552'; mix and pump 56 sxs Class B cement (15.6 ppg 66.08 cf) from 4602' to 4376'; squeeze 30 sxs out into the annulus 6 sxs below the CR and 20 above the CR.
 P TOOHD to 4386' and continue out.
 P Return to yard.
 09/29/2017
 P Load supplies and travel to location.
 P JSA. Inspect and start rig equipment.
 P Check PSI: SICP - 0 PSI, SITP - 495 PSI SIBH - 0 PSI. Open well to flow back tank. Well flowing fluid.
 P PU the plugging sub, TIH and tag the TOC at 4399'. TOOHD to 3568' and continue out
 P RIH with 3-1/8" HSC and perf 3 holes at 3622', POOH. PU 5-1/2" CR, RIH and set it at 3556', POOH.
 P PU the stinger, TIH and tag the CR at 3556'. Pump 15 bbl. fresh water, sting into the CR and establish rate into the perms of 2 BPM at 700 PSI. Monitor the flow to see if it increases while pumping; found that there was communication above and below the CR.
 P Plug #3 Mesaverde; with 3 HSC holes at 3622'; inside / outside, with CR at 3556' mix and pump 68 sxs Class B cement (15.5 ppg, 80.24 cf,) from 3622' to 3522' outside; attempting to leave the CR uncapped. J. Durham with NMOCD approved the plug on 9-29-17 at 10:00 AM
 P TOOHD and LD the CR stinger, clean and secure location, SDFD.
 P Return to yard.
 10/02/2017
 P Load supplies and travel to location.
 P JSA. Inspect and start rig equipment.
 P Check PSI: SICP - 295 PSI, SITP - (NO TBG) PSI SIBH - 0 PSI. Open well to flow back tank. Well flowing fluid.
 P TIH with 5.5" stinger. Found TOC @ 2941'. LD to Plug #4. TOOHD.
 U JSA. RU A-Plus WL. RIH with 3-1/8" HSC. Unable to reach perf depth due to cement stringers. TOOHD WL tool. RD WL.
 P TIH with 5.5" watermelon string mill to 2880'. TOOHD LD 5.5" watermelon mill.
 P RU A-Plus WL. RIH with 3-1/8" HSC and perf 3 holes at 2874'. LD HSC. RIH with 5.5" WLCR set @ 2837'. RD WL.
 P TIH with 5.5" CR stinger. Establish circulation with 2 bbl.
 P PLUG #4 (CHACRA). with 3 HSC holes at 2874'; inside / outside, with CR at 2837' mix and pump 48 sxs Class B cement (15.5 ppg, 56.64 cf,) below CR attempting to leave the CR uncapped. J. Durham with NMOCD approved the plug on 10-2-17 at 10:00 AM
 P LD to plug #5. @ 1858'. TOOHD. SIW. SDFD.

- P Travel back to yard.
- 10/03/2017
- P Load supplies and travel to location.
- P JSA. Inspect and start rig equipment.
- P Check PSI: SICP - 150 PSI, SIBH - 0 PSI. Open well to flow back tank. Well flowing fluid.
- P PU the CR stinger, TIH and tag the TOC at 2784'. TOOHD 1864' and continue out
- P RIH with 3-1/8" HSC and perf 3 holes at 1908', POOH. PU 5-1/2" CR, RIH and set it at 1858', POOH.
- P PU the stinger, TIH and tag the CR at 1858'. Pump 10 bbl. fresh water and PSI test the CSG to 600 PSI good test. Sting into the CR and establish rate into the perfs of 2 BPM at 800 PSI.
- P Plug #5 Pictured Cliffs and Fruitland; with 3 HSC holes at 1908'; inside / outside, with CR at 1858' mix and pump 189 sxs Class B cement (15.5 ppg, 340.2 cf,) from 1908' to 1408', leaving 51 sxs above, 6 sxs below and 132 sxs outside; J. Durham with NMOCD approved the tag 1460' and plug on 10-3-17 at 10:00 AM TOOHD to 837' and continue TOOHD.
- P RIH with 3-1/8" HSC and perf 3 holes at 884', POOH. RIH with 5-1/2" CR and set it at 840', POOH.
- P PU the CR stinger, TIH and tag the CR at 840', load the hole with 1.5 bbl. and pump 5 bbl. total. Sting into the CR and establish rate of 1.5 BPM at 900 PSI.
- P Plug #6 Kirtland and Ojo Alamo; with 3 HSC holes at 884'; inside / outside, with CR at 840' mix and pump 78 sxs Class B cement (15.5 ppg, 92.04 cf,) from 884' to 655', leaving 21 sxs above, 5 sxs below and 52 sxs outside.
- P TOOHD all TBG and the stinger.
- P Clean and secure location
- P Return to yard.
- 10/04/2017
- P Load supplies and travel to location.
- P JSA. Inspect and start rig equipment.
- P Check PSI: SICP - 0 PSI, SIBH - 0 PSI. Open well to flow back tank.
- P RIH and perf 3 holes at 315', POOH. Load the hole with 1.5 bbl. establish circulation out the BH with 3 bbl. and pump 36 bbl. total, with a rate of 2 BPM at 1600 PSI.
- P RD TBG equipment and the work floor. RD the transfer pump, lines and load.
- P Plug #7 Surface; mix and pump 110 sxs Class B cement (15.5 ppg 129.8 cf) inside outside from 315' to surface with good cement to the pit.
- P Wash up all equipment, RD pump and lines. Dig out the well head, and WOC.
- P ND the BOP, write and perform hot work permit. Cut off the WH and found cement to surface in both 5-1/2" and the 5-1/2" X 8-5/8" prep the DHM.
- P RD the daylight pulling unit.
- P RU CMT equipment. Mix and pump 20 sxs to set the DHM.
- P RD CMT equipment and return to yard with equipment.

* P - Procedure Planned; U - Unplanned A+ issue; X - COA, Well Conditions

On Site Reps:

Name	Association	Notes
C. Deal	Co. Rep.	On Location.
J. Durham	NMOCD	On Location.

Templeton #1-27

As Plugged 10/4/17

Basin Dakota

810' FNL, 1760' FWL, Section 27, T-31-N, R-13-W, San Juan County, NM

Lat: 36.8761063 N / Lat: -108.19487 W, API #30-045-10412

Today's Date: 10/4/17

Spud: 10/25/61

Completion: 11/29/61

Elevation: 5690' GI
5702' KB

Ojo Alamo @ 760'

Kirtland @ 834'

Fruitland @ 1510'

Pictured Cliffs @ 1858'

Chacra @ 2837'

Mesaverde @ 3572'

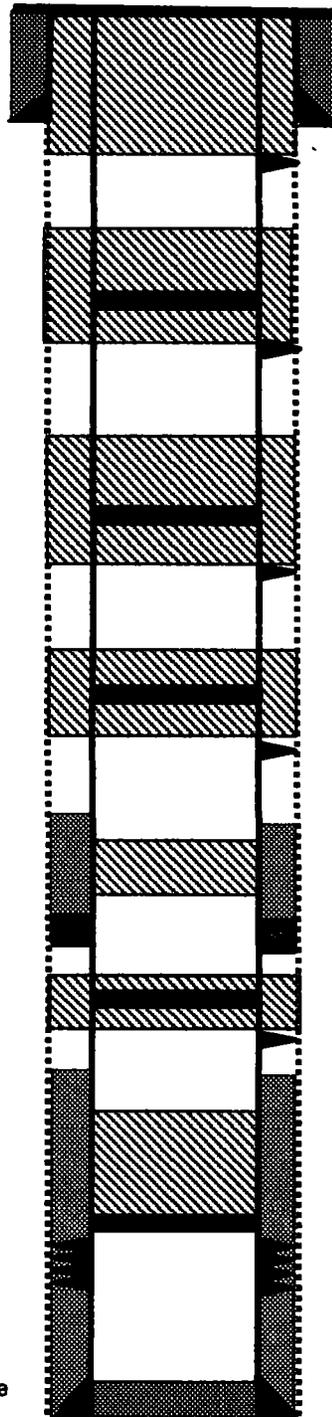
Mancos @ 4552'

Gallup @ 5780'

Dakota @ 6394'

13.75" hole

7-7/8" Hole



Set DHM with 20 sxs

9.625", 32.3#, HD-40 Casing set @ 265
Cement with 200 sxs, circulate to surface

Perforate @ 315'

Plug #7: 315' - 0'
Class B cement, 110 sxs

Set CR @ 840'

Perforate @ 884'

Plug #6: 884' - 665'
Class B cement, 78 sxs
26 inside and 52 outside

Set CR @ 1858'

Perforate @ 1908'

Plug #5: 1908' - 1460'
Class B cement, 189 sxs
57 inside and 132 outside

Set CR @ 2837'

Perforate @ 2874'

Plug #4: 2874' - 2784'
Class B cement, 48 sxs
outside.

TOC unknown, did not circulate

Set CR @ 3556'

Perforate @ 3622'

DV Tool @ 4519'

Stage 2: Cemented with 165 sxs (256 cf)

Plug #3: 3622' - 2941'
Class B cement, 68 sxs
Outside annulus

Set CR @ 4552'

Perforate @ 4602'

Plug #2: 4602' - 4376'
Class B cement, 56 sxs:
26 inside and 30 outside

TOC unknown, did not circulate

Set CR @ 6360'

Plug #1: 6360' - 5592'
Class B cement, 86 sxs

Dakota Perforations:
6410' - 6518'

5.5" 15.5#, J-55 casing set @ 6543'
Cement 115 sxs (179 cf)

TD 6543'
PBTD 6524'