Additional Information (Updated Well Design)

Targa Monument AGI#3

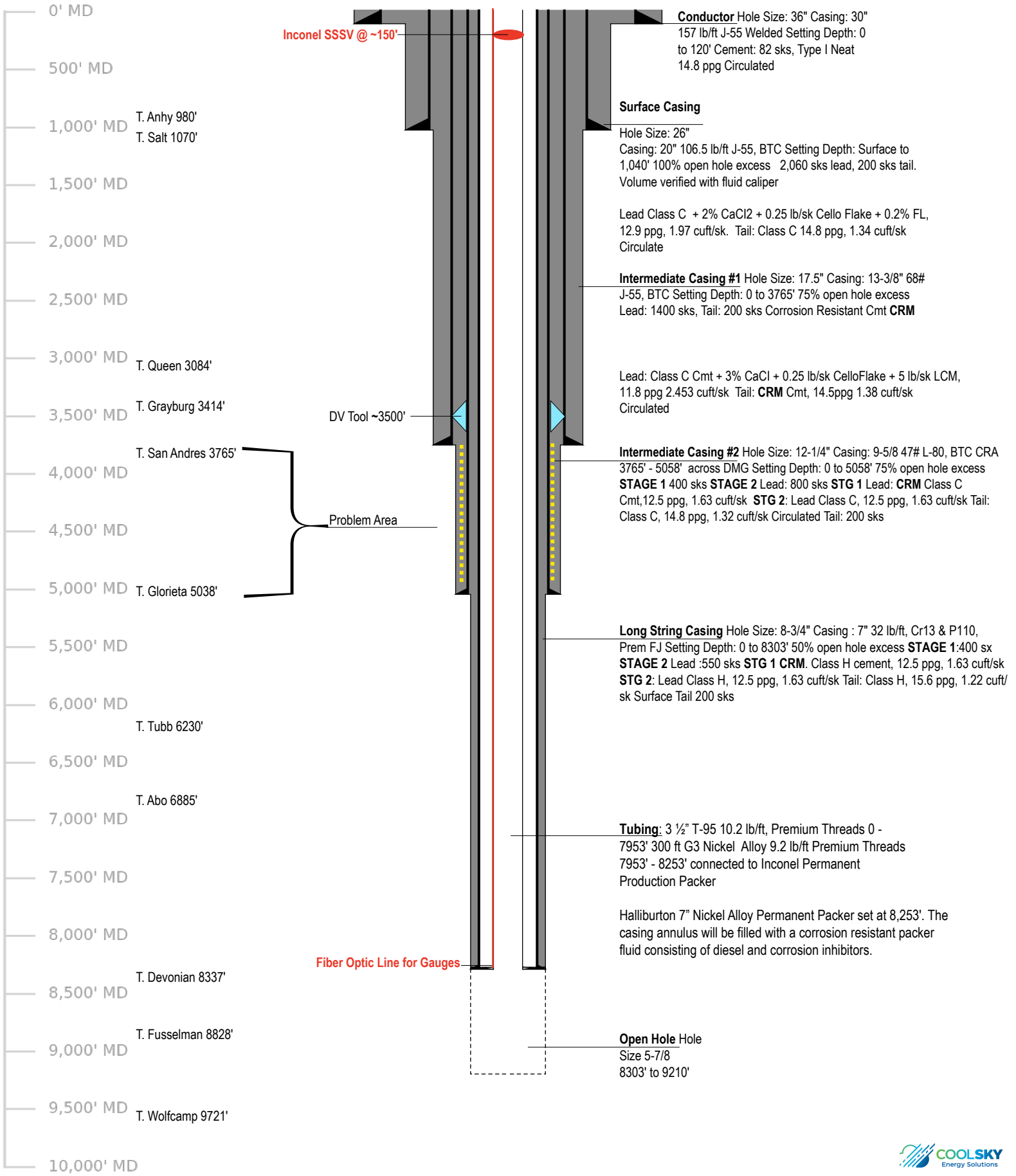
SWD-2687

6-24-2026

Targa Midstream Services, LLC

MONUMENT GAS PLANT AGI #003

Unit O, SEC 36-T19S-R36E 905' FSL & 2362' FEL
LEA COUNTY, NEW MEXICO 3,384' Ground Level (GR)



Conductor Hole Size: 36" Casing: 30" 157 lb/ft J-55 Welded Setting Depth: 0 to 120' Cement: 82 sks, Type I Neat 14.8 ppg Circulated

Surface Casing

Hole Size: 26"
Casing: 20" 106.5 lb/ft J-55, BTC Setting Depth: Surface to 1,040' 100% open hole excess 2,060 sks lead, 200 sks tail. Volume verified with fluid caliper

Lead Class C + 2% CaCl2 + 0.25 lb/sk Cello Flake + 0.2% FL, 12.9 ppg, 1.97 cuft/sk. Tail: Class C 14.8 ppg, 1.34 cuft/sk Circulate

Intermediate Casing #1 Hole Size: 17.5" Casing: 13-3/8" 68# J-55, BTC Setting Depth: 0 to 3765' 75% open hole excess Lead: 1400 sks, Tail: 200 sks Corrosion Resistant Cmt **CRM**

Lead: Class C Cmt + 3% CaCl + 0.25 lb/sk CelloFlake + 5 lb/sk LCM, 11.8 ppg 2.453 cuft/sk Tail: **CRM** Cmt, 14.5ppg 1.38 cuft/sk Circulated

Intermediate Casing #2 Hole Size: 12-1/4" Casing: 9-5/8 47# L-80, BTC CRA 3765' - 5058' across DMG Setting Depth: 0 to 5058' 75% open hole excess **STAGE 1** 400 sks **STAGE 2** Lead: 800 sks **STG 1** Lead: **CRM** Class C Cmt,12.5 ppg, 1.63 cuft/sk **STG 2**: Lead Class C, 12.5 ppg, 1.63 cuft/sk Tail: Class C, 14.8 ppg, 1.32 cuft/sk Circulated Tail: 200 sks

Long String Casing Hole Size: 8-3/4" Casing : 7" 32 lb/ft, Cr13 & P110, Prem FJ Setting Depth: 0 to 8303' 50% open hole excess **STAGE 1**:400 sx **STAGE 2** Lead :550 sks **STG 1 CRM**. Class H cement, 12.5 ppg, 1.63 cuft/sk **STG 2**: Lead Class H, 12.5 ppg, 1.63 cuft/sk Tail: Class H, 15.6 ppg, 1.22 cuft/sk Surface Tail 200 sks

Tubing: 3 ½" T-95 10.2 lb/ft, Premium Threads 0 - 7953' 300 ft G3 Nickel Alloy 9.2 lb/ft Premium Threads 7953' - 8253' connected to Inconel Permanent Production Packer

Halliburton 7" Nickel Alloy Permanent Packer set at 8,253'. The casing annulus will be filled with a corrosion resistant packer fluid consisting of diesel and corrosion inhibitors.

Open Hole Hole Size 5-7/8 8303' to 9210'

COOLSKY Energy Solutions

04/222026
Version 1.2

MONUMENT AGI #3

Table 1. Casing Design

Casing/ Tubing String	Casing /Tubing Depth, TVD1, ft	Borehole Diameter, in.	Casing / Tubing Outside Diameter, in	Coupling/ Connection	Casing/Tubing Material (Weight /Grade)	String Weight in Air, lb
Conductor	0–120	36	30	Welded	157 lb/ft, J-55	18,960
Surface	0–1,040	26	20	BTC	106.5 lb/ft, J-55	91,000
Intermediate #1	0–3,765	17 1/2	13 3/8	BTC	68 lb/ft, J-55	271,080
Intermediate #2	0–5,058	12 1/4	9 5/8	BTC	47 lb/ft, L-80,CRA 3765'-5058	575,750
Long String	0–8,303	8 3/4	7	Premium Gas tight threads	32 lb/ft, CRA & -P110	265,696
Open hole	8,303-9,210	5 7/8	N/A	N/A	N/A	N/A
Tubing	0–8,255	N/A	3 1/2	Premium Thread	10.2 lb/ft, T95 & 300' G3 on bottom	75,946

Table 2. Casing Specifications

Casing / Tubing String	Casing / Tubing Material (Weight / Grade / Connection)	Casing/ Tubing Diameters (OD/ID/ Drift), in.	Yield , (ksi)	Tensile(ksi)	Internal (Burst) Yield, psi	Collapse (psi)	Body Yield , (1,000 lbs)	Joint Strength, 1,000 lbs
Surface	106.5 lb/ft, J-55, BTC	18.625/17.755/ 17.567	1367	75	2,250	630	1,367	1,595
Inter-mediate #1	68 lb/ft, J-55, BTC	13.375/12.347/12.191	80	95	5,380	2,670	1,661	1,650
Inter-mediate #2	47 lb/ft, L-80, BTC & Corrosion Resistant across DMG	9.625/ 8.681/ 8.525	80	95	6,870	4,760	1,086	1,122

Long String	32 lb/ft, Cr13-P110, Prem FJ	7.000/ 6.094/ 5.969	110	125	11,640	10,780	1,025	1,053
Tubing	10.2 lb/ft, Premium Thread/G3	3.500/ 2.992/ 2.867	80	95	10,160	10,540	207	168

Table 3 summarizes cement design specifications. Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a pre-flush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.

Actual volumes will be calculated and determined by conditions onsite. All cement slurries will meet or exceed minimum BLM and New Mexico Oil Conservation Division requirements. The slurries listed above or equivalent slurries will be used depending on the service provider selected. Cement yields may change depending on the type of slurries selected.

Cement shall be allowed adequate curing time to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

Nickel Alloy casing will be the bottom 300' of the 7" casing for corrosion resistance and will be cemented with corrosion resistant cement.

Table 3. Cement Design

Casing	Depth (ft)	Cement Volume (sacks)	Cement Type & Yield	Designed TOC	Centralizers
Conductor	120	82 sks	Type I Neat 14.8 ppg	Surface cement circulated	None
Surface	1,040'	100% open hole excess 2016 sks lead, 200 sks tail. Volume verified with fluid caliper	Lead Class C + 2% CaCI2 + 0.25 lb/sk Cello Flake + 0.2% FL, 12.9 ppg, 1.97 cuft/sk. Tail Class C 14.8 ppg, 1.34 cuft/sk Circulate	Surface Cement Circulated	1 per joint on bottom 3 joints
Inter-mediate #1	3,765'	75% open hole excess Lead: 1400 sks, Tail: 200 sks Corrosion Resistant Cmt **CRM**	Lead: Class C Cmt + 3% CaCI + 0.25 lb/sk CelloFlake + 5 lb/sk LCM, 11.8 ppg 2.453 cuft/sk Tail: **CRM** Cmt, 14.5ppg 1.38 cuft/sk	Surface Cement Circulated	1 per joint for bottom 3 joints, 1 on every 3 joints for remaining joints

Inter-mediate #2	5058’	75% open hole excess **STAGE 1** 400 sks **STAGE 2** Lead:800 sks Tail: 200 sks	**STG 1** Lead: **CRM** Class C Cmt,12.5 ppg, 1.63 cuft/sk **STG 2**: Lead Class C, 12.5 ppg, 1.63 cuft/sk Tail: Class C, 14.8 ppg, 1.32 cuft/sk	Surface Cement Circulated	1 per joint for bottom 3 joints, 1 on every 3 joints for remaining joints
Production	8303’	50% open hole excess **STAGE 1** 400 sks **STAGE 2** Lead 550 sks Tail 200 sks	**STG** 1 **CRM**. Class H cement, 12.5 ppg, 1.63 cuft/sk **STG 2**: Lead Class H, 12.5 ppg, 1.63 cuft/sk Tail: Class H, 15.6 ppg, 1.22 cuft/sk	Surface	1 every 3 joints for remaining joints
* Cement program may change based on cement engineer recommendation and caliper log result.					

3. Tubing Information

The tubing is 3 ½” L80 10.2 lb/ft tubing with a Premium Gas Tight Thread from the surface to 7,953 ft and then 300 ft of G3 Nickel Alloy 9.2 lb/ft tubing with Premium Gas Tight Threads (7,953–8,253 ft) connected to the Inconel Permanent Production Packer. G3 Nickel alloy tubing is a highly corrosion resistant material. An Inconel SubSurface Safety Valve will be installed in the tubing at 100’ to 150’. Bottom hole pressure and temperature gauges will be attached to the permanent packer via fiber optic line attached to the outside of the tubing.

4. Packer Information

Halliburton 7” Nickel Alloy Permanent Packer set at 8,253 ft. The casing annulus will be filled with a corrosion resistant packer fluid consisting of diesel and corrosion inhibitors.

From: Harris, Anthony, EMNRD
To: "Matt Eales"; Paul Ragsdale
Cc: Goetze, Phillip, EMNRD; Dougi, Delilah, EMNRD; Chavez, Carl, EMNRD; Sandoval, Stacy, EMNRD; Ron Curtis; Leunguen, Elvis, EMNRD
Subject: RE: [EXTERNAL] Targa Monument AGI #3
Date: Thursday, June 25, 2026 1:57:00 PM
Attachments: image001.png

Hi Matt

Your proposed design looks good.

Regards
Tony Harris
Petroleum Specialist
Anthony.harris@emnrd.nm.gov
505 549 8131.

From: Matt Eales <Matt.Eales@coolskyenergy.com>
Sent: Wednesday, June 24, 2026 2:20 PM
To: Harris, Anthony, EMNRD <Anthony.Harris@emnrd.nm.gov>; Paul Ragsdale <Paul.Ragsdale@coolskyenergy.com>
Cc: Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>; Dougi, Delilah, EMNRD <Delilah.Dougi@emnrd.nm.gov>; Chavez, Carl, EMNRD <Carlj.Chavez@emnrd.nm.gov>; Sandoval, Stacy, EMNRD <Stacy.Sandoval@emnrd.nm.gov>; Ron Curtis <ron.curtis@coolskyenergy.com>; Leunguen, Elvis, EMNRD <Elvis.Leunguen@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Targa Monument AGI #3

Mr. Harris,

Attached, please find our updated Well Schematic including your recommendation. Please let us know your thoughts.

All the best,
Matt

832.496.7513

From: Harris, Anthony, EMNRD <Anthony.Harris@emnrd.nm.gov>
Sent: Tuesday, May 5, 2026 10:05 AM
To: Paul Ragsdale <Paul.Ragsdale@coolskyenergy.com>
Cc: Matt Eales <Matt.Eales@coolskyenergy.com>; Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>; Dougi, Delilah, EMNRD <Delilah.Dougi@emnrd.nm.gov>; Chavez, Carl, EMNRD <Carlj.Chavez@emnrd.nm.gov>; Sandoval, Stacy, EMNRD <Stacy.Sandoval@emnrd.nm.gov>; Ron Curtis <ron.curtis@coolskyenergy.com>; Leunguen, Elvis, EMNRD <Elvis.Leunguen@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Targa Monument AGI #3

Good morning, Paul

Apologies for the late reply. Your proposal for the additional casing String (Intermediate #2) set in the Glorieta seems reasonable.

One thing to consider is the proposed Surface Casing (ie. 20" casing inside 24" Openhole) would be considered "low clearance" by some Industry Standards/Best Practices. To avoid this "low clearance" scenario, you may want to evaluate the option of a 26" hole for the 20" surface casing to increase the annular clearance and facilitate improved mud removal / cement placement across that section of the well.

Hope this helps.

Regards

Tony Harris

Petroleum Specialist

Anthony.harris@emnrd.nm.gov

505 549 8131.

From: Paul Ragsdale <Paul.Ragsdale@coolskyenergy.com>
Sent: Monday, April 27, 2026 4:33 PM
To: Harris, Anthony, EMNRD <Anthony.Harris@emnrd.nm.gov>
Cc: Matt Eales <Matt.Eales@coolskyenergy.com>; Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>; Dougi, Delilah, EMNRD <Delilah.Dougi@emnrd.nm.gov>; Chavez, Carl, EMNRD <Carlj.Chavez@emnrd.nm.gov>; Sandoval, Stacy, EMNRD <Stacy.Sandoval@emnrd.nm.gov>; Ron Curtis <ron.curtis@coolskyenergy.com>
Subject: [EXTERNAL] Targa Monument AGI #3

Mr. Harris,

Please find the revised Well bore Diagram and revised Casing Table for the proposed Targa Monument AGI #3. As per your review, we added an additional string of casing to cover the San Andres formation. We are also proposing corrosion resistant casing and corrosion resistant cement for this casing string.

Please review and let me know your thoughts.

If it meets your approval, we will submit a revised C 108.

Thanks,

Paul Ragsdale

CoolSky Energy Solutions

Roswell, NM

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 600054

CONDITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 600054
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
anthony.harris	None	6/29/2026