



July 30, 2024

Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Attention: Ms. Debbie-Anne A. Reese, Acting Secretary

Re: Colorado Interstate Gas Company, L.L.C.;
Docket No. CP24-124-000
Responses to Environmental Data Request – OEP/DPC/CB-1

Dear Ms. Reese:

On July 23, 2024, Colorado Interstate Gas Company, L.L.C. (“CIG”), received an environmental data request (“Data Request”) in Docket No. CP24-124-000 from the Office of Energy Projects (“OEP”) seeking information related to CIG’s Totem Enhanced Deliverability Project. CIG is herein filing with the Federal Energy Regulatory Commission (“Commission”) its responses to the Data Request.

Description of Proceeding

On April 8, 2024, CIG filed an application, pursuant to Section 7(c) and (b) of the Natural Gas Act, and Part 157.5, et seq., of the Commission’s Regulations for a certificate of public convenience and necessity and abandonment authorization to modify and enhance its existing Totem storage field located in Adams County, Colorado in order to increase the maximum withdrawal rate by approximately 50 million cubic feet per day. Specifically, CIG proposes to: (1) install six new injection and withdrawal wells; (2) replace and install various sections of storage pipeline; (3) reclassify one existing injection/withdrawal well to an observation well; (4) install various appurtenant and auxiliary facilities; and (5) inject approximately one billion cubic feet of additional base gas into the Totem storage field. The proposed project, is referred to as the “Totem Enhanced Deliverability Project”.

Description of Information Being Filed

CIG is herein submitting its responses to the July 23, 2024 OEP Data Request.

Filing Information

Pursuant to 18 C.F.R. § 388.113, CIG is requesting CEII treatment of Exhibits 1 and 2 provided in response to Question No. 1 of the Data Request. Accordingly, CIG has labeled this attachment “CONTAINS CUI//CEII – DO NOT RELEASE”. CIG requests that the Commission accord CEII treatment to this information for the life of the assets so as not to place the assets and personnel of CIG at undue risk.

If you have any questions regarding the non-public material being filed herewith, please contact Mr. Francisco Tarin at 719-667-7517 or via email at Francisco_Tarin@kindermorgan.com.

CIG is e-Filing this letter and attachments with the Commission's Secretary in accordance with the Commission's Order No. 703, *Filing Via the Internet*, guidelines issued on November 15, 2007 in Docket No. RM07-16-000.

Respectfully submitted,
COLORADO INTERSTATE GAS
COMPANY, L.L.C.

By /s/ Francisco Tarin
Francisco Tarin
Director, Regulatory

Enclosures

cc. Mr. Joshua Roth, OEP

COLORADO INTERSTATE GAS COMPANY, L.L.C.

Responses to Data Request – OEP/DG2E/CB-1

Dated July 23, 2024 in Docket No. CP24-124-000

Totem Enhanced Deliverability Project

ENVIRONMENTAL INFORMATION REQUEST

1. Provide structural and isopach maps of the storage reservoir depicting the existing and proposed wells that clearly differentiate between the two.

Response:

The proposed new wells are included in the attached structure map (Exhibit 1) and net pay isopach maps (Exhibit 2).

Exhibits 1 and 2 are designated as Critical Energy Infrastructure Information and are marked as “CUI//CEII – Do Not Release” as defined in Section 388.113 of the Commission’s regulations, 18 C.F.R. § 388.113 (2024).

Response prepared by or under the supervision of:

Jaclyn Raskay
Senior Reservoir Engineer
Colorado Interstate Gas Company, L.L.C.
719-520-4407

COLORADO INTERSTATE GAS COMPANY, L.L.C.
Responses to Data Request – OEP/DG2E/CB-1
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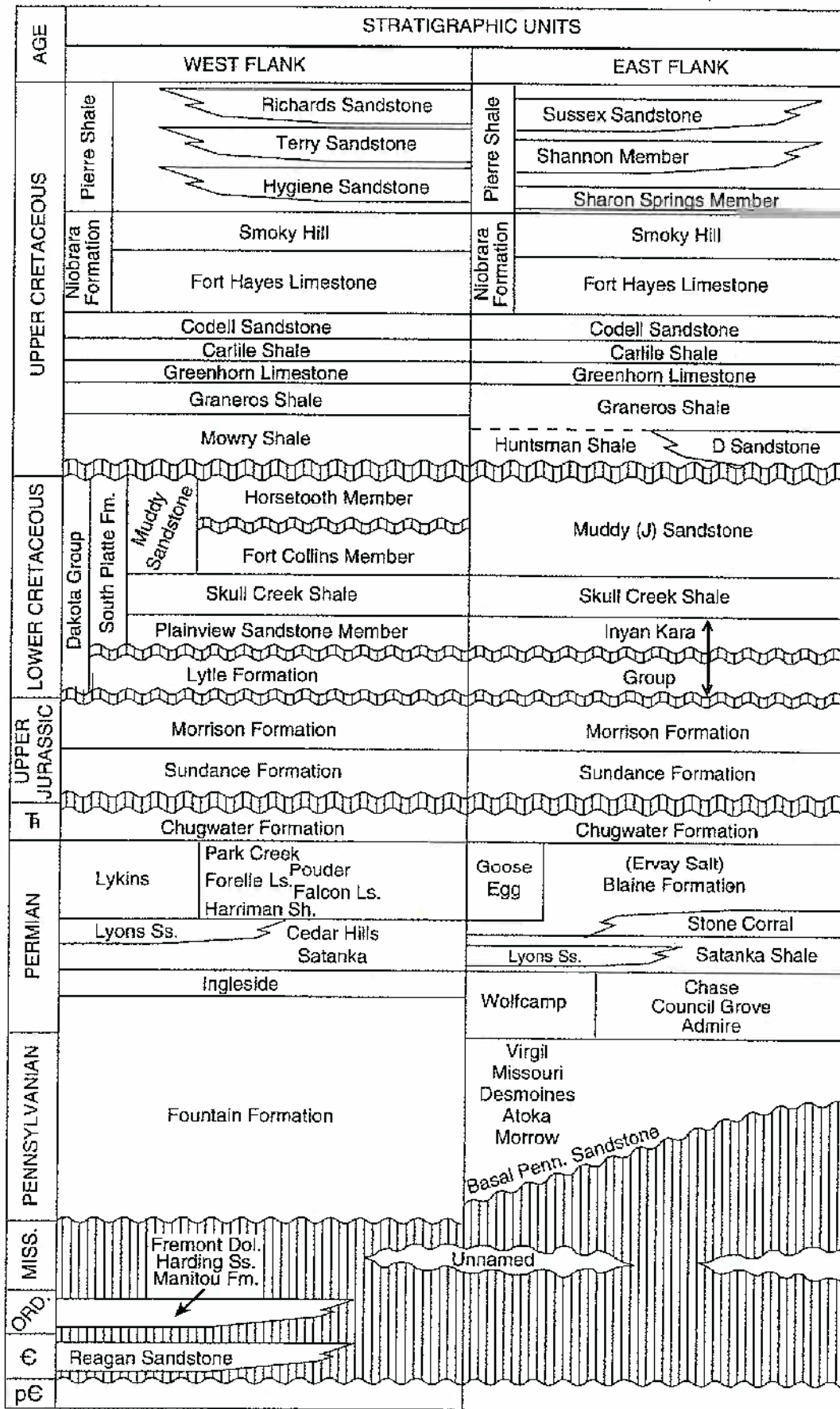
2. Provide a stratigraphic column of the Totem Storage Field.

Response:

Attached is a stratigraphic column (Figure 6-1) of the Denver Basin area. Figure 6-1 was previously submitted in CIG's original application in Docket No. CP08-30 as part of Resource Report 6.

Response prepared by or under the supervision of:

Jaelyn Raskay
Senior Reservoir Engineer
Colorado Interstate Gas Company, L.L.C.
719-520-4407



APPLICATION	ArcGIS 9.1
FILE NAME	Topo_Map.mxd
DRAWN BY	J. Sterling
DATE	7/17/07

ADAMS COUNTY, COLORADO

TOTEM GAS STORAGE FIELD

URS
Figure 6-1

COLORADO INTERSTATE GAS COMPANY, L.L.C.

Responses to Data Request – OEP/DG2E/CB-1

Dated July 23, 2024 in Docket No. CP24-124-000

Totem Enhanced Deliverability Project

3. Table 3 of CIG’s application titled “Well Status Summary” (Table 3) indicates that all injection-withdrawal wells are completed in the J Sand. Discuss the difference, and relevance between the J, J1 and J-1. Are they synonymous? In Figure 12, the top of the J Sand is 7,262 feet and the base of the J Sand is 7,310 feet; the application states the J1 Sand ranges from approx. 7,171 feet to 7,366 feet. If the J Sand and J1/(J-1) Sand represent two distinct strata, is gas injected and withdrawn from both?

Response:

The names “J”, “J1”, “J-1”, “J Sandstone”, and “J Sand” are synonyms commonly used to describe the Muddy (J) Sandstone (Lower Cretaceous) in the Denver Basin, Colorado. As such, all natural gas that is stored at Totem is injected into and withdrawn from a single strata—*i.e.*, the J Sand.

Figure 12 is the type log for a single J Sand well (the State Webb 8-10 well), and the depths shown on the log are the depths of the J Sand at the location of that particular well. Within Totem’s boundaries, the J Sand is located between 7,171 and 7,366 feet but the exact interval varies at each well location.

Response prepared by or under the supervision of:

Jaclyn Raskay
Senior Reservoir Engineer
Colorado Interstate Gas Company, L.L.C.
719-520-4407

COLORADO INTERSTATE GAS COMPANY, L.L.C.

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Totem Enhanced Deliverability Project

4. Confirm that the D Sand wells are solely for observation purposes as indicated in Table 3. Has storage gas ever been detected in the D Sand? Have pressures in the D Sand OBS wells ever shown any correlation to injection and withdrawal cycles of the storage reservoir?

Response:

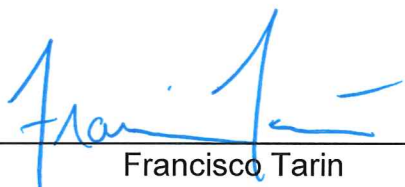
The D Sand wells are solely used for observation purposes. Gas samples from the Totem #3 and Totem #16 D Sand wells have exhibited some characteristics similar to the storage gas injected in the storage reservoir (*i.e.*, storage gas injected in the J Sand). Pressure in the storage reservoir during injection and withdrawal cycles seems to slightly influence pressure in the Totem #3 D Sand well. No other correlation between pressures in D Sand wells and storage reservoir injection and withdrawal cycles has been observed. Accordingly, any communication between the D Sand and the J Sand within Totem's boundaries appears to be minor and does not measurably affect the operation or performance of the storage reservoir.

Response prepared by or under the supervision of:

Jaclyn Raskay
Senior Reservoir Engineer
Colorado Interstate Gas Company, L.L.C.
719-520-4407

STATE OF COLORADO)
)
COUNTY OF EL PASO)

FRANCISCO TARIN, being first duly sworn, on oath, says that he is the Director of the Regulatory Department of Colorado Interstate Gas Company, L.L.C.; that he has read the foregoing Response to the Office of Energy Projects' Data Request dated July 23, 2024 in Docket No. CP24-124-000, that as such he is authorized to verify the Response, that he is familiar with the contents thereof; and that the matters and facts set forth therein are true to the best of his information, knowledge and belief.

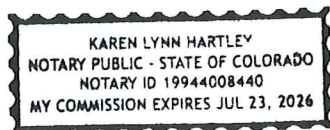


Francisco Tarin

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this 30th day of July 2024.



Karen Hartley
Notary Public, State of Colorado
My Commission Expires: July 23, 2026



Certificate of Service

I hereby certify that I have this day caused a copy of the foregoing documents to be served upon each person designated on the official service list compiled by the Commission's Secretary in this proceeding in accordance with the requirements of Section 385.2010 of the Federal Energy Regulatory Commission's Rules of Practice and Procedure.

Dated at Colorado Springs, Colorado as of this 30th day of July 2024.

/s/

Francisco Tarin

Two North Nevada Avenue
Colorado Springs, Colorado 80903
(719) 667-7517