

Submit 1 Copy To Appropriate District Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
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 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO.	30-025-51865
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name SALT CREEK AGI	
8. Well Number	3
9. OGRID Number	331501
10. Pool name or Wildcat AGI; Delaware	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> ACID GAS INJECTION	
2. Name of Operator	Northwind Midstream Partners, LLC
3. Address of Operator	825 Town and Country Ln; Bldg. 5, Suite 700 Houston, TX 77024
4. Well Location Unit Letter <u>L</u> : <u>2,329</u> feet from the <u>SOUTH</u> line and <u>278</u> feet from the <u>WEST</u> line Section <u>21</u> Township <u>26S</u> Range <u>36E</u> NMPM County <u>LEA</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2,926' (GR)	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input checked="" type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
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13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

On behalf of Northwind Midstream Partners, LLC (Northwind), we (Geolex, Inc.®) submit the following request to modify the Salt Creek AGI #3 (API: 30-025-51865) casing installation plan. Modification of the casing design is being requested in order to address issues arising from mechanically stuck 20-inch surface casing within the Salt Creek AGI #3 wellbore. The proposed plan has been developed through collaboration with New Mexico Oil Conservation Division (NMOCD) Underground Injection Control personnel and incorporates specific NMOCD recommendations provided during review of alternative amendment proposals.

To summarize the current status of the well, after drilling the surface casing interval (0 to 2,100 ft.), casing activities commenced, and during installation, the 20-inch casing became mechanically stuck with the casing shoe at a depth of approximately 1,277 ft. This depth generally corresponds to an interval where borehole deviation increased along a brief salt/evaporite section within the Ochoa Series, Dewey Lake Formation. After numerous attempts to free the casing were made, and consultation with NMOCD, the casing was cemented in place (on September 20, 2023) as signs of borehole degradation (i.e., annular volume reduction) were observed. In accordance with requests of the NMOCD, a cement bond log will be recorded to verify the adequacy of cementing operations for the 20-inch casing.

Following discussion and collaboration with NMOCD personnel, Northwind proposes the remaining drilling and completion activities be completed in accordance with the following casing schedule (Table 1) and well schematic shown in the attached Figure 1.

Table 1. Amended Casing Plan Proposed for Salt Creek AGI #3 (developed through coordination with NMOCD)

Casing	Hole Size (in.)	Csg. Size (in.)	Pounds per foot	Grade	Thread	Top (ft. MD)	Base (ft. MD)	Length (ft.)
Surface	26	20	133	K-55	BTC	0	1,277	1,277
1 st Int.	18.5	16	75	J-55	BTC	0	2,438	2,438
2 nd Int.	14.75	13.325	54.5	HPL80	FJ	0	3,100	3,100
3 rd Int.	12.25	9.625	40	L80	BTC	0	5,110	5,110
Production	8.75	7	29	HP-P110	Rattler	0	5,180	5,180
Production	8.75	7	26	SM2535	VAMTOP	5,180	5,480	300
Production	8.75	7	29	HP-P110	Rattler	5,480	7,040	1,560

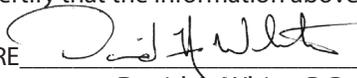
In this proposed design, an additional 16-inch casing string would be installed between the 20-inch surface casing and the 13-3/8 inch intermediate casing, with the specific purpose of physically isolating geologic intervals of the Ochoa-Dewey Lake (not currently isolated by 20-inch casing), as well as the depth interval of Rustler Formation geologic strata. The additional 16-inch casing would be set and cemented from the surface to an approximate depth of 2,438 ft.

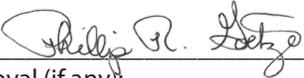
The attached Figure 1 illustrates the amended casing plan proposed and the specific placement of the 16-inch casing described above. With these design modifications, the Salt Creek AGI #3 well can be constructed in a manner which fully isolates shallow groundwater resources, while also isolating known problematic depth intervals (e.g., intervals of borehole instability, lost circulation zones, etc.), and thus, will significantly improve Northwind’s ability to drill the Salt Creek AGI #3 well successfully. Furthermore, the proposed redesign retains the ability to separately isolate the interval of Capitan Reef strata (via 9-5/8 inch casing) and the approved Delaware Mountain Group injection zone (via 7-inch casing).

In evaluating available alternative options to continue drilling and completion activities for Salt Creek AGI #3, Northwind agrees with NMOCD that the proposed construction plan, described herein, will significantly mitigate levels of drilling risk and will ensure that isolation of key geologic intervals and subsurface groundwater resources is established.

Northwind would propose the casing program described herein represents the best and preferred option to move forward with construction and requests the plan be considered for approval by NMOCD.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

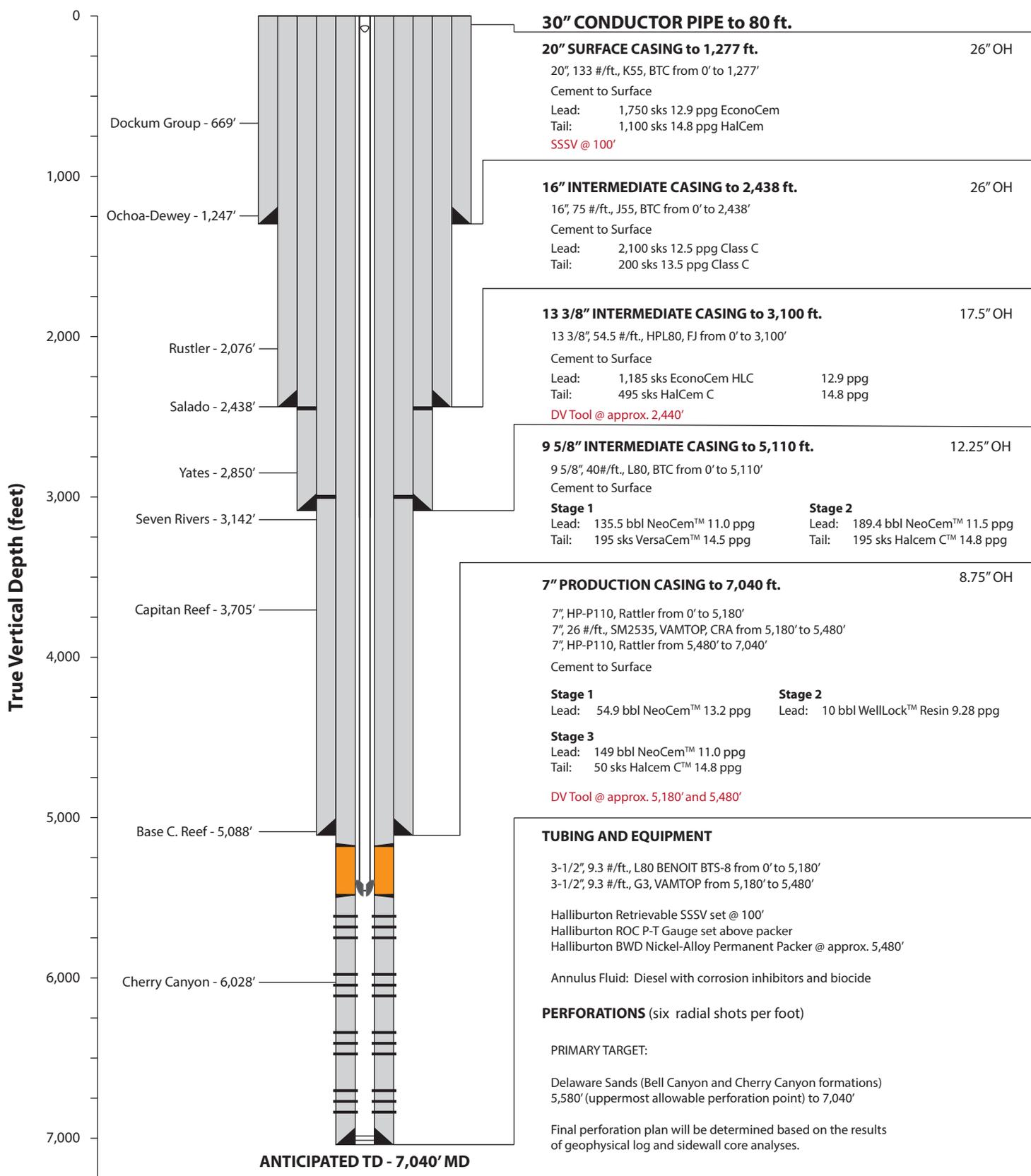
SIGNATURE  TITLE Consultant to Northwind DATE 09/21/2023
 Type or print name David A. White, P.G. E-mail address: dwhite@geolex.com PHONE: 505-842-8000

For State Use Only
 APPROVED BY:  TITLE UIC Manager DATE 09/21/2023

Conditions of Approval (if any):



SALT CREEK AGI #3 REVISED WELL SCHEMATIC



*All depths are approximate and subject to change based off of the geology encountered

Date prepared: 09/20/2023

Figure 1. Revised wellbore schematic for Salt Creek AGI #3 developed in collaboration with NMOCD

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CONDITIONS
 Action 267917

CONDITIONS

Operator: Northwind Midstream Partners LLC 825 Town and Country Ln Houston, TX 77024	OGRID: 331501
	Action Number: 267917
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pgoetze	As requested, operator shall include the cement report for each casing string as part of the final completion report.	9/21/2023