



FORM C-108 Technical Review Summary [Prepared by reviewer and included with application; V17]

DATE RECORD: First Rec: 9/15/19 Admin Complete: 9/16/19 or Suspended: — Add. Request/Reply: None
 ORDER TYPE: WFX / PMX (SWD) Number: 2314 Order Date: 02/10/2020 Legacy Permits/Orders: NA

Well No. 1 Well Name(s): NE Chaco Com SWD
 API: 30-0 39-Pending Spud Date: TBD New or Old (EPA): New (UIC Class II Primacy 03/07/1982)
 Footages: 2335' FSL / 2559' FEL Lot — or Unit J Sec B Tsp 23N Rge 7W County Rio Arriba
 Lybrook NM: Approx 4mi west of Counselor / south of 550/44 Floor: SWD, Entrada Pool No.: 96436
 BLM 100K Map: Chaco Canyon Operator: Enduring Resources LLC OGRID: 372286 Contact: Bain Wood / Permits West
 COMPLIANCE RULE 5.9: Total Wells 9235 Inactive: OK Fincl Assur: 197/OK Compl. Order? No IS 5.9 OK? Yes Date: 02/10/20
 WELL FILE REVIEWED Current Status: No APD (Federal); no API 02/12/20
 WELL DIAGRAMS: NEW: Proposed or RE-ENTER: Before Conv. After Conv. Logs in Imaging: None
 Planned Rehab Work to Well: NA

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement S _x or Cf	Cement Top and Determination Method
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Surface		0 to 500'	267	Cir. to surface
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Interm/Prod	8 3/4" / 7"	0 to 7818'	000 No lead - tail - + tool?	Cir. to surface
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Interm/Prod	—	—	—	—
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Prod/Liner	—	—	—	—
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Liner	—	—	—	—
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> OH (PERF)	8 3/4" / 7"	7460'-7665'		

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		Summerville	7373'
Confining Unit: Litho. Struc. Por.	± 2'	Todilto Lm	7433'
Proposed Inj Interval TOP:	7460	Entrada	7458
Proposed Inj Interval BOTTOM:	7665	—	—
Confining Unit: Litho. Struc. Por.	± 2'	Chimie	7668
Adjacent Unit: Litho. Struc. Por.		—	—

Completion/Operation Details:	
Drilled TD	7818 PBDT —
NEW TD	— NEW PBDT —
NEW Open Hole	<input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/>
Tubing Size	3.5 in. Inter Coated? <u>Yes</u>
Proposed Packer Depth	— ft
Min. Packer Depth	(100-ft limit)
Proposed Max. Surface Press.	1492 psi
Admin. Inj. Press.	1492 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: NA Noticed? NA BLM Sec Ord WIPP Noticed? NA Salt/Salado T: NA B: NA NW: Cliff House fm 3478
 USDW: Aquifer(s) Alluvial Kojo Alamo Max Depth <500' / 1313'-1480' HYDRO AFFIRM STATEMENT By Qualified Person
 NMOSE Basin: San Juan CAPITAN REEF: thru — adj NA No. GW Wells in 1-Mile Radius? 0 FW Analysis? NA - Lybrook well
 Disposal Fluid: Formation Source(s) Fruitland / Gallup / Entrada Analysis? Yes On Lease Operator Only or Commercial Assoc. End ind. well
 Disposal Interval: Inject Rate (Avg/Max BWPD): 10,000/2000 Protectable Waters? UNK Source: — System: Closed or Open
 HC Potential: Producing Interval? No Formerly Producing? No Method: Logs/DST/P&A/Other Mudlog Pipe 2-Mi Radius Pool Map
 AOR Wells: 1/2-M or ONE-M RADIUS MAP/WELL LIST: Total Penetrating Wells: 0 [AOR Hor: — AOR SWDs: —]
 Penetrating Wells: No. Active Wells 0 No. Corrective? — on which well(s)? [0 wells in AOR - none penetrate] Diagrams? —
 Penetrating Wells: No. P&A Wells 0 No. Corrective? — on which well(s)? — Diagrams? —

Induced-Seismicity Risk Assess: analysis submitted historical/catalog review fault-slip model NO probability low

NOTICE: 1/2-M or ONE-M : Newspaper Date 09/12/19 Mineral Owner: BLM Surface Owner: BLM N. Date 8/30/19
 RULE 26.7(A): Identified Tracts? Yes Affected Persons*: [15 parties noticed including Murpherson; has. Don Tech; J. Cole; Range; WPK] N. Date 8/30/19

* new definition as of 12/28/2018 [any the mineral estate of United States or state of New Mexico; SWD operators within the notice radius]

Order Conditions: Issues: Protectable water status; HC potential; cement program for 7-inch-only
 Additional COAs: formation water assessment (USDW); mudlog with picks; CBL for 7-in casing; RH pressure measurement

C-108 Application Review: NE Chaco Com SWD No. 1; SWD-2314 / pDHR1932359429; Enduring Resources LLC

