



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

DATE RECORD: First Rec: 7/9/19 Admin Complete: 7/9/19 or Suspended: _____ Add. Request/Reply: _____

ORDER TYPE: WFX / PMX / (SWD) Number: 2183 Order Date: _____ Legacy Permits/Orders: _____

Well No. _____ Well Name(s): Mon Soon Federal SWD #1

API: 30-0 25 - Pending Spud Date: TBD New or Old (EPA): _____ (UIC Class II Primacy 03/07/1982)

Footages 1700' FNL 165' PEI Lot _____ or Unit _____ Sec 34 Tsp 255 Rge 32E County Lea

Latitude: 32.08957 Longitude -103.652179 Pool: SWD, Devonian - S1 Pool No.: 97864

Operator: Permian Oil & Gas OGRID: 328259 Contact: Gary Fisher Email: gfisher@popsmidstream.com

COMPLIANCE RULE 5.9: Total Wells: 0 Inactive: 0 Finci Assur. ☒ Compl. Order? _____ IS 5.9 OK? ☒ Date: _____

WELL FILE REVIEWED ☒ Current Status: Pending

WELL DIAGRAMS: NEW: Proposed ☒ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: _____

Planned Rehab Work to Well: _____

Well Construction Details		Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned ☒ or Existing ☐ Surface		<u>26 / 20</u>	<u>1017</u>	<u>665</u>	<u>Surface</u>
Planned ☒ or Existing ☐ Interm/Prod		<u>17.5 / 13.375</u>	<u>4835</u>	<u>1599</u>	<u>Surface</u>
Planned ☒ or Existing ☐ Interm/Prod		<u>12.25 / 9.625</u>	<u>11999</u>	<u>2065</u>	<u>Surface</u>
Planned ☐ or Existing ☐ Prod/Liner		<u>8.5 / 7.625</u>	<u>11799 - 17098</u>	<u>255</u>	<u>Volumetric</u>
Planned ☐ or Existing ☐ Liner		<u>7 - 5.5</u>	<u>11799 - 17053</u>		
Planned ☒ or Existing ☐ OH/ PERF		<u>6.5</u>	<u>17098 - 18522</u>	<u>1424</u>	

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: <u>(Litho. Struc. Por.)</u>	<u>16,521-16,874</u>	<u>Lux miss</u>	<u>16,521</u>
Confining Unit: <u>(Litho. Struc. Por.)</u>	<u>16,874-17,063</u>	<u>Woodford</u>	<u>16,874</u>
Proposed Inj Interval TOP:	<u>17,098</u>	<u>Devonian</u>	<u>17,098</u>
Proposed Inj Interval BOTTOM:	<u>18,522</u>	<u>Fusellman</u>	<u>18,522</u>
Confining Unit: <u>Litho. Struc. Por.</u>	<u>18,547</u>	<u>Mantuya</u>	<u>18,547</u>
Adjacent Unit: <u>Litho. Struc. Por.</u>		<u>Sigma Perm</u>	<u>19,136</u>

Completion/Operation Details:	
Drilled TD _____	PBTD <u>18,522</u>
NEW TD _____	NEW PBTD _____
NEW Open Hole ☒ or NEW Perfs ☐	
Tubing Size _____ in.	Inter Coated? _____
Proposed Packer Depth <u>17,063</u> ft	
Min. Packer Depth <u>17,000</u> (100-ft limit)	
Proposed Max. Surface Press. <u>3,420</u> psi	
Admin. Inj. Press. <u>3,419</u> (0.2 psi per ft)	

AOR: Hydrologic and Geologic Information

POTASH: R-111-P/NA Noticed? NA BLM Sec Ord ☐ WIPP ☐ Noticed? NA Salt/Salado T: 1322 B: 4574 NW: Cliff House fm

USDW: Aquifer(s) Shallow Max Depth 646 HYDRO AFFIRM STATEMENT By Qualified Person ☒

NMOSE Basin: Carlsbad CAPITAN REEF: thru _____ adj _____ NA ☒ No. GW Wells in 1-Mile Radius? NO FW Analysis? _____

Disposal Fluid: Formation Source(s) Del, Ariz, BS, WFA Analysis? ☒ On Lease ☐ Operator Only ☐ or Commercial ☒

Disposal Interval: Inject Rate (Avg/Max BWPD): 40000/50000 Protectable Waters? NA Source: OST System: Closed or Open

HC Potential: Producing Interval? NO Formerly Producing? NO Method: Logs/DST/P&A/Other NA 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 NA No. Corrective? NA on which well(s)? _____ Diagrams? _____

Penetrating Wells: No. P&A Wells NA No. Corrective? NA on which well(s)? _____ Diagrams? _____

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

NOTICE: 1/2-M _____ or ONE-M ☒ : Newspaper Date 6/21/19 Mineral Owner* Perm Surface Owner Perm N. Date 7/8/19

RULE 26.7(A): Identified Tracts? ☒ Affected Persons*: Devon, LG, BOG, OXY, Magnum SIO Perm N. Date 7/8/19

* 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: _____

Additional COAs: _____