				Revised Materi 23, 2017
RECEIVED: 09/17/2018	REVIEWER:	TYPE:	APP NO: DMAMI	8260 57387
12	NEW MEXICO OI - Geological & 220 South St. Francis	L CONSERVATION Engineering Bu	ON DIVISION ureau –	STOR NEW MARIE OF
	ADMINISTRATIV			
	IS MANDATORY FOR ALL ADMI EGULATIONS WHICH REQUIRE P			
Applicant: Advance Er Vell Name: Dagger SW ool: Devonian – Silurio	D No.	Mesa LLC	API: TB	Number: _372417 D ode: 97869
SUBMIT ACCURATE AN		ATION REQUIRED	TO PROCESS TH	IE TYPE OF APPLICATION
1) TYPE OF APPLICATION A. Location – Spac	N: Check those which ing Unit – Simultaneo	ous Dedication	DRATION UNIT)	
DHC [II] Injection – [WFX 2) NOTIFICATION REQUI A. Offset operat B. Royalty, over C. Application of the control of the co	g - Storage - Measur CTB PLC Disposal - Pressure Inc PMX SWD RED TO: Check those tors or lease holders riding royalty owners requires published no and/or concurrent as	PC OLS crease - Enhance IPI EOR which apply. , revenue owner tice pproval by SLO	PPR	FOR OCD ONLY Notice Complete Application Content Complete
F. Surface own	above, proof of notif		ation is attache	·
administrative appro- understand that no a notifications are subn	val is accurate and c I ction will be taken or	omplete to the k	pest of my know	vledge. I also
Note: Stater	nent must be completed by	an individual with man	agerial and/or superv	visory capacity.
			9/6/2018	
David Harwell		i	Date	
Print or Type Name			832-672-4604	
			Phone Number	

Signature

David Harmell

DHarwell@advanceenergypartners.com

e-mail Address

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe. New Mexico 87505

Attn: Ms. Heather Riley, Director

Re Application of Advance Energy Partners Hat Mesa LLC to permit for salt water disposal the proposed **Dagger SWD Well No.1** to be located in is **1325' FEL, 2625 FNL of Unit G, Section 30, Township 21 South, Range 33 East**, NMPM, Lea County, New Mexico.

Dear Ms. Riley,

Please find enclosed Form C-108 Application for Authority to Inject, supporting the above-referenced request to permit for disposal, the Dagger SWD No. 1. The well (1325' FEL, 2625 FNL of Unit G, Section 30, Township 21 South, Range 33 East) is on a drill island. Attached is plat defining the drill island and the location of the Advance Energy Partners Hat Mesa LLC "Dagger SWD No. 1" within the island.

Advance Energy Partners seeks to optimize efficiency, both economically and operationally, of its operation in the southeast New Mexico. Advance Energy Partners respectfully requests administrative approval, without hearing, to dispose produced water into the Devonian – Silurian Formation. In support of this request please find the following documentation:

- Administrative Application Checklist
- Form C-108 with miscellaneous data attached
- An Injection Well Data Sheet with Wellbore Schematic
- Area of Review and Data Table of Surrounding Wells
- Publication

Damid Hamell

• Service List with Proof of Certified Mailing attached

Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

Published legal notice will run on or about August 28, 2018 in the Hobbs News-Sun and all offset operators and other interested parties have been notified individually. The legal notice affidavit will be forwarded when received. This application also includes a wellbore schematic, area of review maps, leaseholder plats and other required information for a complete Form C-108.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Best regards,

David Harwell

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery Pressure Maintenance XXX Disposal Storage Application qualifies for administrative approval? Yes No										
II.	OPERATOR: Advance Energy Partners Hat Mesa LLC										
	ADDRESS: 11490 Westheimer Rd. Suite 950, Houston, Texas 77077										
	CONTACT PARTY: David Harwell PHONE: 832-672-4604 (o) 281-235-3431 ©										
III.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.										
IV.	Is this an expansion of an existing project? XXX No (This is not an expansion of an existing project) If yes, give the Division order number authorizing the project:										
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.										
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.										
VII.	Attach data on the proposed operation, including:										
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.). 										
*VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.										
IX.	Describe the proposed stimulation program, if any.										
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted)										
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.										
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.										
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.										
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.										
	NAME: David Harwell TITLE: Vice President										
	SIGNATURE: DATE: 9-12-18										
*	E-MAIL ADDRESS: DHarwell@advanceenergypartners.com If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:										

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

OPERATOR: Advance	Energy Partners Hat Mesa L	LC			
WELL NAME & NUM	DED B CHIEF II				
	13301590	G_UNIT LETTER			
WELL LOCATION:	1325' FEL & 2625' FNL	G	30	21S	33 E
WEEE EGENTION.	FOOTAGE LOCATION	LINIT I ETTED	SECTION	TOWNSHIP	RANGE
	FOOTAGE LOCATION	UNII LEITEK	SECTION	TOWNSHIP	KANGE
WELLRORE SCH	EMATIC (Also Attached)		WELL CONSTR	UCTION DATA	
WELLBOKE SCIT	EMATIC (Also Attacheu)	amended 02/18/2019	Surface		
		aminala 04/10/2019	Surface	Casing	
ADVANCE	DAGGER SWD	Hole Size: 26"& 17	7 5"	Casing Size: 20" &	13 375"
ADVANCE >>>> AFE	SWD WELL	Hole Size. 20 & 17	1.5	Cashing Size. 20 &	13.373
REGULATORY: NMOCD RIG: H8 API: KB: COUNTY: LEA CO, NM GL:	P 620 NAD 83 SML Sec. 30, T-215, R-33E, 2,625' PNI Long: BML Sec. 30, T-215, R-33E, 2,625' PNI				ft^3
HOLE MD FORMATION TVD	MUD CASING CEMENT SPEC	Cemented with: per	vendor proposai	or	Π
SUE 20 Conductor	10" Top of Lead: Surface 1000 8.4 ppg 948 K-55 BTC 50% excess	nent to surface is a CD requirement	0 0 0	14 1 10	
26" 1,592 Rustler 1,592	FRESH TD Bowsprings 20% excess	at be set 25' into the Rustler 1 Op of Cement: Sur	face & Surface	Method Determined	i: Designed
1,617 SURF CSG PT 1,617	MW 1 joint shee track. Add dye to space/ MUD	Fresh water only	Intermedia	to Casina	
	DRLOUT 2 STAGE CEMBERT Circ cer MW 13.375" 115 Stage Top of Leaf 2007 NMC	eent to surface is a CD requirement	memedia	ite Cashig	
2,500 DVTOOL & 2,500	30.0 ppg 68# N-80 BTC 50% discess Top of Tail: 4080'				
17-1/2* PACKER	BRINE Bowsprings 2nd Stage DV TOOL & PACKER JOP of Lead: Surface	H-1- C' 12 259		C- '- C' - 0.075	
	TD MW @ 2,800' Tail: 100 sks	Hole Size: 12.25"		Casing Size:9.875"	,
5,100 INTRM 1 CSG PT 5,100	10.5 ppg 1 joint shee track Add dye to spacer				
5,362 Deleware 5,362 8,822 Bone Spring 8,822	9.0 ppg 53.58 MCP-130 BTC 50% excess (OH only)	Town of Comments Com	C	Malada da la	1. 6'
	Top of Tail: 9760' 20% excess	Top of Cement: Sur	тасе	Method Determined	1: Circulation
	BRINE		Productio	n Casina	
12,060 Walfcamp 12,060	TD MW Bowsprings		Troductio	ii Casing	
12,200 INTRM 2 CSG PT 12,200	9.2 ppg 1 joint shee track				
13,452 Strawn 13,452	DRILLING LINER Top of Lead: 12000' 7.625" Top of Lead: 12000' 200's excess (OH only)	Hole Size: 8.5"		Casina Siza. 7 (25)	20# D 110 Car
15,657 Mississippian Lime 15,657	39W HCP-110 Top of Tail: 13201	Hole Size. 8.5		Casing Size: 7.625'	; 59# F-110 Csg.
16,252 Woodford 16,252 16,452 Devonian 16,452	CUT BRINE Bowsprings TD MW	Commented with a so			Ω3
16,502 LINER CSG PT 16,502	12.5 ppg 1 joint shee track	Cemented with: per	vendor proposai	or	Π
	8.4 ppg FRESH OPEN HOLE	T. CC . T.	CT	Mail ID	l C! L !!
TD	1 TD MW 8.6 ppg SPLIT TUBING STRING	Top of Cement: Top	of Liner	Method Determined	: Circulation
	5.5" PACKER FLUID 20# HCP-110	W . 1 D . 1 . 1 . 1 . 1 . 1 . 1			
	5°	Total Depth: 17500			
	18# HCP-110		<u>Injection</u>	Interval	
DIRECTIONS TO LOCAITON:			Open Hole 16502 fee		
			(Perforated or Open I	Hole; indicate which)	
Drilling Singineer: Braden Harris (406) 600-3310		Date: 01/16/2018			

INJECTION WELL DATA SHEET

Tubing Size: 5 1/2" HCP-110 x 5" HCP-110 Lining Material: Plastic Coated Type of Packer: Nickel plated 10K double grip retrievable or 10K nickel plate permanent or Weatherford Arrow Set **Injection Packer** Packer Setting Depth: +/-16490' Other Type of Tubing/Casing Seal (if applicable): N/A Additional Data Is this a new well drilled for injection? **XXX** Yes No If no, for what purpose was the well originally drilled? Name of the Injection Formation: Devonian - Silurian Name of Field or Pool (if applicable): No Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No 5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: T / Brushy Canyon 8,450 - 8,500 T/ 2nd Bone Sand 10,400- 10,550 T / 3rd Bone Sand 11.600 – 11.700 T Wolfcamp: 11,900 - 12,950 T / Penn: 12,700 -12,900 T / Morrow 13,700 - 14,000

ADVANCE >>>>>

DAGGER STATE SWD #1

SWD WELL

1,330'

REGULATORY: NMOCD API:

AFE: NM0038

Drilling Engineer: Braden Harris (406) 600-3310

NAD 83 Lat: 32.449929 Long: -103.607422 KB: GL: 3.778

SHL: Sec. 30, T-215, R-33E; 2,625' FNL & 1,325' FEL

BHL: Sec. 30, T-215, R-33E; 2,625' FNL & 1,325' FEL

ME NEW	THE RESERVE THE PERSON NAMED IN	Y: LEA CO, NM	GL:	3,778		g: -103.607422	BHL: Sec. 30, T-215, R-33E;	
HOLE SIZE	MD	FORMATION Conductor	TVD		MUD	CASING	CEMENT	SPECIAL INSTRUCTIONS
3122		CO I I CO CO			MW 8.4 ppg	26"	Top of Lead: Surface 50% OH excess	Circ cement to surface is NMOCD requirement
30"	1,625	Rustler	1,625		FRESH	12 Bowsprings	Top of Tail: 1320° 20% excess	Casing must be set 25' int the Rustler
	1,650	SURF CSG PT	1,650	11 1	10.0 ppg	1 joint shoe track		MUD: Fresh water only
	1,650	SURF CSG PT	1,650		DRLOUT	20°	Top of Lead: Surface	Circ cement to surface is
24"					10.0 ppg		50% OH excess	NMOCD requirement
	3,550	Base of Salt	3,550		BRINE TD MW	17 Bowsprings	Top of Tail: 2880' 20% excess	
	3,600	INTRM 1 CSG PT	3,600	11 1	10.5 ppg DRLOUT	1 joint shoe track	2 STAGE CEMENT	
	3,700	DV TOOL & PACKER	3,700		MW 10.0 ppg	13-3/8"	1st Stage Top of Lead: 2800'	Circ cement to surface is a NMOCD requirement
7-1/2					BRINE	17 Bowsprings	50% excess Top of Tail: 4200° 20% excess	
				$\ \ $	TD MW	DV Tool & Packer @ +/-3,700'	2nd Stage Top of Lead: Surface 50% excess (OH only) Tail: 100 sks	
	5,250	INTRM 2 CSG PT	5,250		10.5 ppg	1 joint shoe track	no excess	
					DRLOUT	9-5/8"	Top of Lead: Surface 50% excess (OH only)	
					9.0 ppg	47 Bowsprings	Top of Tail: 9788' 20% excess	
2-1/4		TOL: 11,935'	(300' tie-in)	$\parallel \parallel$	CUT BRINE			
	12,035	Wolfe hp	12,035					
	12,135	TOP OF LINER	12,135	h) (r	TD MW			
	12,235	INTRM 3 CSG PT	12,235		9.2 ppg	1 joint shoe track		
					DRLOUT MW	DRILLING LINER 7-5/8"		
8-3/4"					WEIGHTED		Top of Tail: 12996'	
- 2/4	16,225	PERM PACKER	16,225		CUT BRINE	23 Bowsprings	20% excess	
	16,225	Woodford LINER CSG PT	16,225		TD MW 12.5 ppg	1 joint shoe track		
	16,245	Devonian	16,245		ORLOUT MW	OPEN HOLE		
					8.4 ppg	INJECTION STRING		
6-3/4"	17,084	Fusselman	17,084		FRESH	5-1/2"	PACKER FLUID	
	17,595	Montoya	17,595		TD MW			
				1 1	8.6 ppg			

Date: 02/18/2019

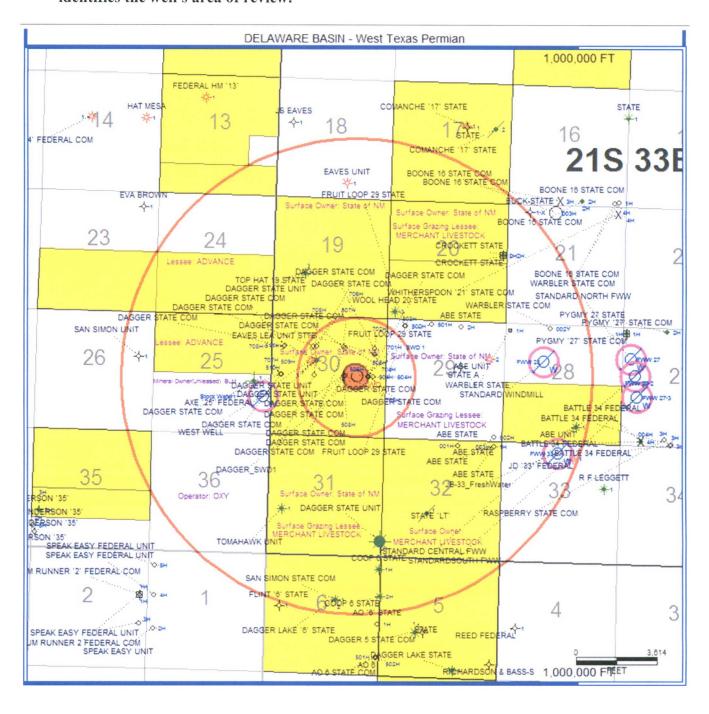
AFE: NM0038



SHL: Sec. 30, T-21S, R-33E; 2,625' FNL & 1,325' FEL 1,325' FEL 1,325' FEL 1,325' FEL 2,325' FNL & 1,325' FEL REGULATORY: NMOCD RIG: **NAD 83** API: KB: Lat: 32.449929 COUNTY: LEA CO, NM GL: 3,778 Long: -103.607422

	COOM	Y: LEA CO, NM		GL: 3,778	Lon			
HOLE SIZE	MD	FORMATION Conductor	TVD		MUD SPUD	CASING	CEMENT	SPECIAL INSTRUCTIONS
SIZE		Conductor			MW 8.4 ppg	26"	Top of Lead: Surface 50% OH excess	Circ cement to surface is a NMOCD requirement
30"	1,625	Rustler	1,625		FRESH	12 Bowsprings	Top of Tail: 1320' 20% excess	Casing must be set 25' into the Rustler
		SUIDE CSC DT	1,650		10.0 ppg	1 joint shoe track		MUD: Fresh water only
	1,650	SURF CSG PT	1,650		DRLOUT MW 10.0 ppg	20"	Top of Lead: Surface 50% OH excess	Circ cement to surface is a NMOCD requirement
24"	3,550	Base of Salt	3,550		BRINE TD MW	17 Bowsprings	Top of Tail: 2880' 20% excess	
	3,600	INTRM 1 CSG PT	3,600		10.5 ppg	1 joint shoe track		
	3,700	DV TOOL & PACKER	3,700		DRLOUT MW 10.0 ppg	13-3/8"	2 STAGE CEMENT 1st Stage Top of Lead: 2800' 50% excess	Circ cement to surface is a NMOCD requirement
17-1/2'					BRINE	17 Bowsprings	Top of Tail: 4200' 20% excess	
	F 2F0	INTRM 2 CCC DT	. 250		TD MW 10.5 ppg	DV Tool & Packer @ +/-3,700' 1 joint shoe track	2nd Stage Top of Lead: Surface 50% excess (OH only) Tail: 100 sks	
	5,250	INTRM 2 CSG PT	5,250		DRLOUT	9-5/8"	no excess Top of Lead: Surface 50% excess (OH only)	
					9.0 ppg			
						47 Bowsprings	Top of Tail: 9788' 20% excess	
					CUT			
12-1/4'					BRINE			
	12,035	Wolfcamp	12,035					
	12,135	TOP OF LINER	12,135 12	371) [TD MW			
	12,235	INTRM 3 CSG PT	12,235		9.2 ppg	1 joint shoe track		
					DRLOUT MW	DRILLING LINER		
					11.5 ppg	7-5/8"		
8-3/4"					WEIGHTED		Top of Tail: 12996'	
, ,	16,225	PERM PACKER	16,225		CUT BRINE	23 Bowsprings	20% excess	
	16,225	Woodford	16,225	X	TDMW			
	16,245	LINER CSG PT	16,245		12.5 ppg	1 joint shoe track		
	16,425	Devonian	16,425		DRLOUT MW	OPEN HOLE		
		-			8.4 ppg	INJECTION STRING		
6-3/4"	17,084	Fusselman	17,084		FRESH	5-1/2"	PACKER FLUID	,
l	17,595	Montoya	17,595		TD MW			
	17,595			1 1	8.6 ppg		I	1

Part V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.





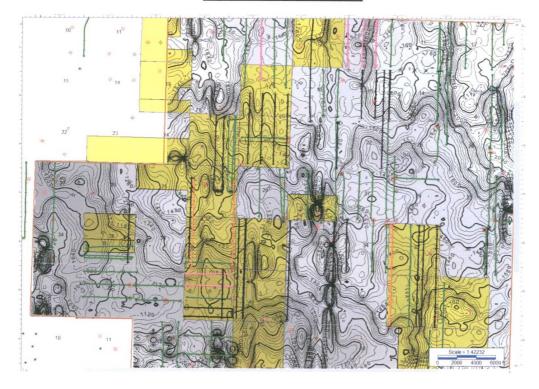
VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

No Wells Penetrate Proposed Disposal Interval Within a Half Mile or 1 Mile Area of Review.

Part VII. Operations Plan

- 1. Upon approval of all permits for SWD, operations would begin within 30 days. Completion of the well operations will take approximately 2 3 months. Facility construction including installation of the tank battery, berms, plumbing and other and associated equipment would be occurring during the same interval but at a different location from the well. In any event, it is not expected for the construction phase of the project to last more than 60 days, depending on availability of contractors and equipment. The operator has negotiated a Surface Use Agreement for the facility and well site.
- 2. Prior to commencing any work, an NOI sundry(ies.) will be submitted to configure the well for SWD and will detail the completion workover including all work otherwise described above, any change to the procedure noted herein and to perform mechanical integrity pressure test per OCD test procedures. (Notify NMOCD 24 hours prior) The casing/tubing annulus will be monitored for communication with injection fluid or loss of casing integrity.
- 3. The SWD facility will not be fenced so that trucks may access for load disposal 24/7.
- 4. The well and injection equipment will be a closed system and equipped with pressure limiting devices and volume meters. The annulus, loaded with an inert, anti-corrosion packer fluid, will be monitored for pressure.
- 5. The tanks will be equipped with telemetry devices and visual alarms to alert the operator and customers of full tanks or an overflow situation.
- 6. Proposed Maximum injection pressure = \sim 3285 psi (0.2 psi/ft. x 16,425')
- 7. Proposed average daily injection rate = 18,000 BWPD Proposed maximum daily injection rate = 25,000 BWPD
- 8. Potential releases will be contained and cleaned up immediately. The operator shall repair or otherwise correct the situation within 48 hours before resuming operations. OCD will be notified within 24 hours of any release greater than 5 bbl. If required, remediation will start as soon as practicable. Operator shall comply with 19.15.29 NMAC and 19.15.30 NMAC, as necessary and appropriate.

Capitan Reef Basement





Drill Island

VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

Dagger SWD No. 1 Estimated Tops:

Formation	Depth
Rustler	1565'
Delaware	5335'
Bone Spring	8795'
Wolfcamp	12,035'
Strawn	13,425'
Mississippian Lime	15,630'
Woodford	16,225'
Devonian	16,425'
Silurian	16,869'

The injection zone is the Devonian/Silurian/Upper Ordovician, a mixture of non-hydrocarbon bearing limestones and dolomites estimated from 16,425' to 18,150'. Any underground drinking water sources will be shallower than 1565', the estimated top of the Rustler Anhydrite.

The top of the Capitan Reef is 5400'MD and a Subsea depth of -1585 Subsea and the bottom is 3740 and a Subsea depth of 80 feet in section 30.

Geoscience Validation

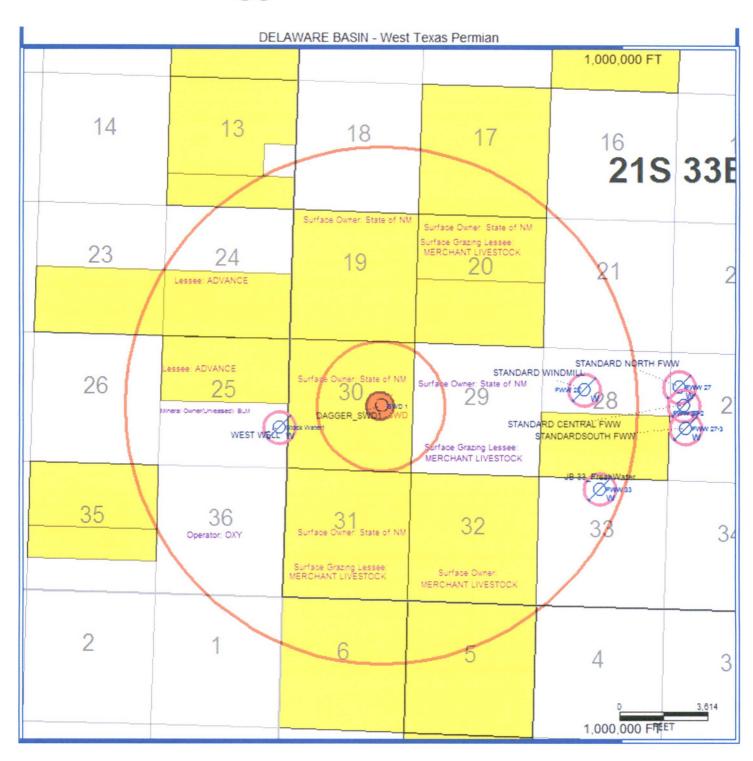
NAME: Ed Caamano	TITLE: Vice President of Geoscience
SIGNATURE:	DATE: <i>9//8/18</i>
	<i>-</i>

20 to 40 Gallons per feet of 20% HCL acid. The estimated open hole footage is between 1000' – 1500'.

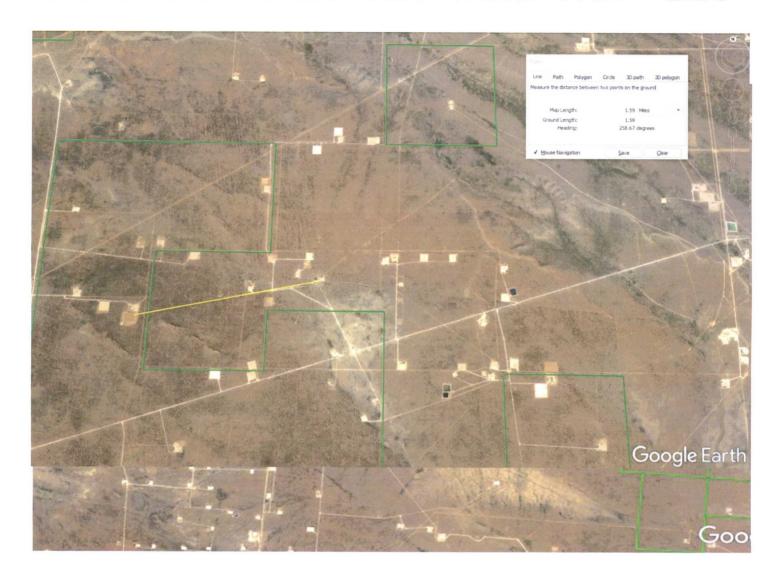
*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

No Log Available Across Proposed Devonian/Silurian/Upper Ordovician Injection Interval. Well logs will be filed with the Division.

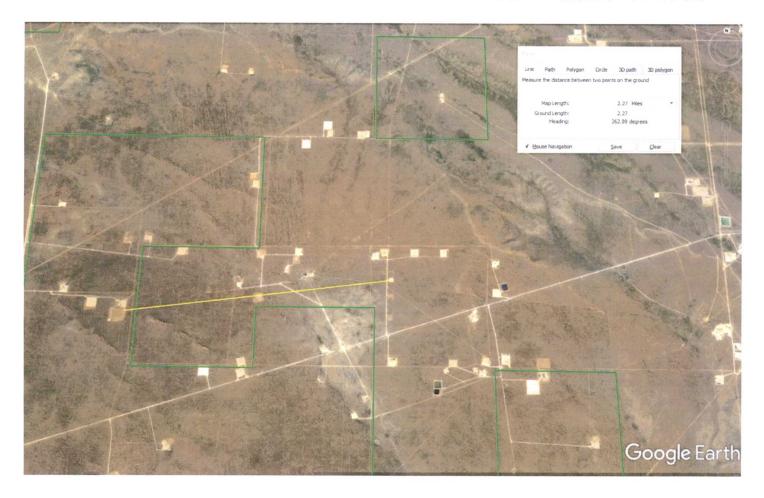
There are no fresh water wells within one mile of the Dagger SWD No. 1



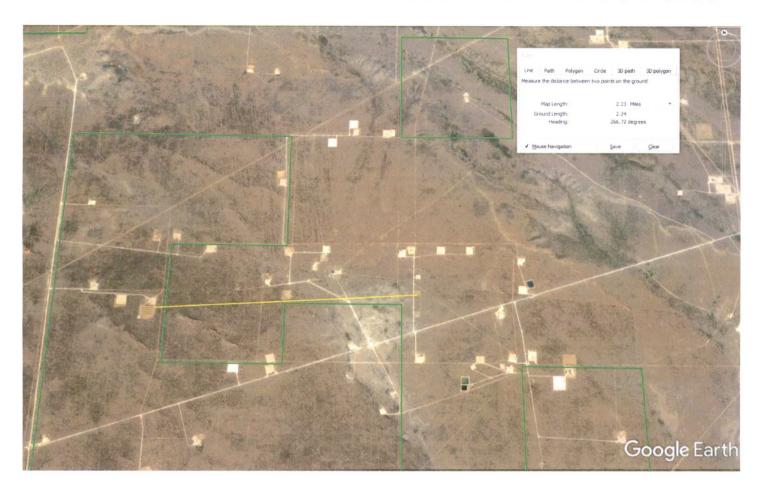
Standard Windmill Fresh Water Well – 1.59



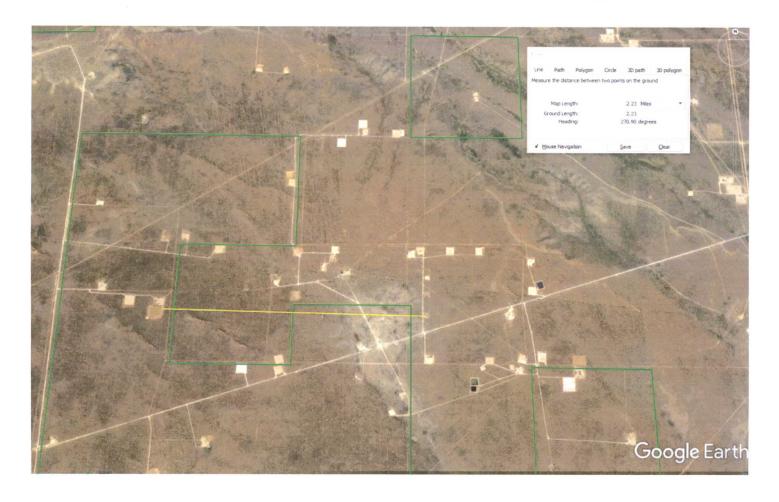
Standard North Fresh Water Well – 2.27 Miles



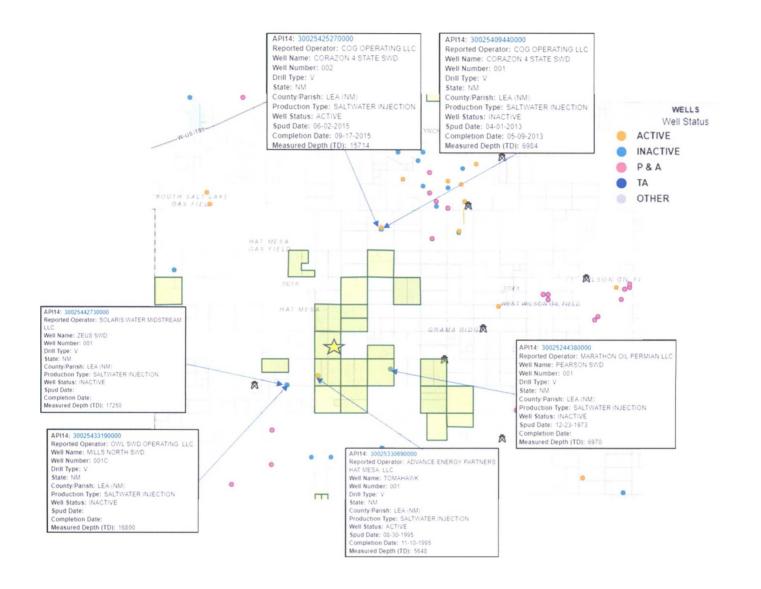
Standard Central Fresh Water Well – 2.23 Miles



Standard South Fresh Water Well – 2.23 Miles



There are no Injection wells within one mile of the Dagger SWD No. 1



XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

Advance Energy Partners Hat Mesa LLC has examined available geologic and engineering data and find no obvious evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

> Beginning with the Issue dated August 28, 2018 and ending with the Issue dated August 28, 2018.

Publisher

Sworn and subscribed to before me this 28th day of August 2018.

Business Manager

My commission expires

January 29, 2019

OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
My Commission Expires

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE August 28, 2018

August 28, 2018
Advance Energy Partners
Hat Mesa LLC, 11490
Westhelmer RD, STE 950
Houston, TX, 77077, is filing
Form C-108 (Application for
Authority to Inject) with the
Now Mexico Oll
Conservation Division
seeking administrative
approval for a salt water
disposal well. The proposed
well, the Dagger SWD No. 1
will be located 1325 FEL 8
2525 FNL, Unit G, Section
30, Township 21 South,
Range 33 East Lea County,
New Mexico. Produced
water from the area
production will be
commercially disposed into
the Devonian, Silurian, and
Upper Ordovician formation
at a depth of +1 18,000 to
17,500 at a maximum
surface pressure of 3285 psi
and rate limited only by
pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division 1220 St. Francis Dr. Santa Fe. Mr. 87505, 476-3460 within 15 days of the date of this notice. Additional information may be obtained from Advance Energy Partners Vice President of Engineering 832-672-4700 #33172

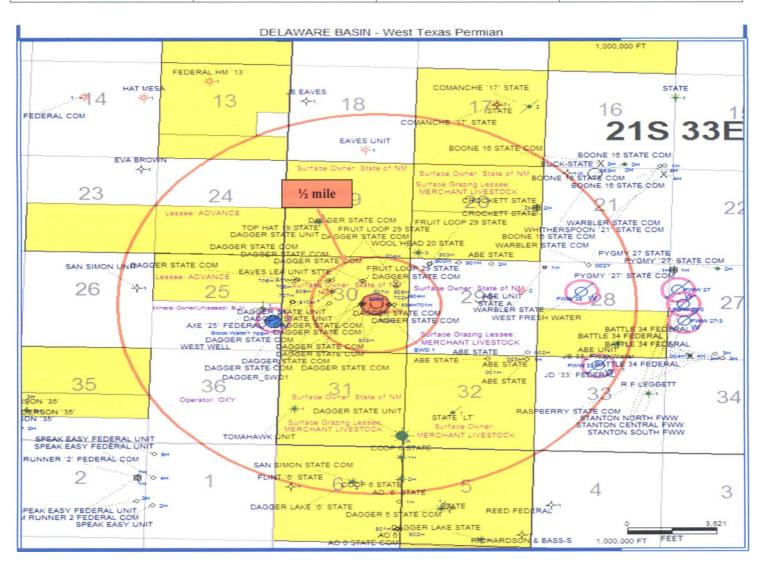
67115359

00217154

PAUL BURDICK ADVANCE ENERGY PARTNERS 11490 WESTHEIMER RD, STE 950 HOUSTON, TX 77077

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

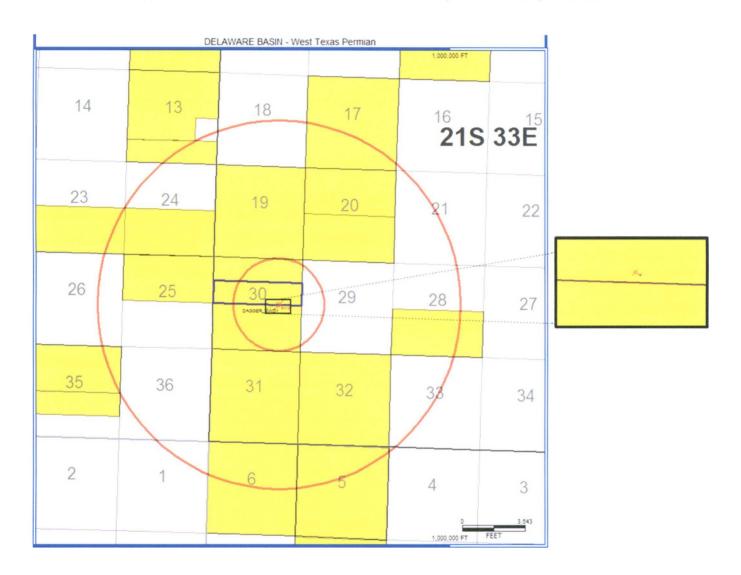
One half Mile Radius Party	Address	City, State Zip	Attention
Operator			
EOG Resources	5509 Champion Drive	Midland, Texas 79706	
Surface Ownership/Grazing Lessees			
Merchant Livestock Co, Inc	P.O. Box 1105	Eunice, New Mexico 88231	
Surface Owner/Mineral Owner			
State of New Mexico	310 Old Santa Fe Trail	Santa Fe, New Mexico 87504	



ostal Service TIFIED MAIL® RECEIPT Mail only we information, visit our visits on vivializate come. B Food (wheat how, onth for an appropriated of the decision) of the decision of the dec	SEADER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: State of New Mexico State Land Office 310 Old Santa Fe Ivail Santa Fe, NM 87504 1111 Sould 9402 3649 7335 4313 34	A. Signature X. Agent Address B. Received by (Printed Name) C. Date of Delive D. Its delivery address different from Item 1? Yes If YES, enter delivery address below: No 3. Service Type Priority Mail Expression Adult Signature Restricted Delivery Registrated Mail Restricted Delivery Perform Receipt for Merchandise Cellust an Detvery Cellust an Detvery Perform Receipt for Merchandise Cellust an Detvery Restricted Delivery Perform Receipt for Merchandise Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signature Confirmation Signatur
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Postal Service " RTIFIED MAIL® RECEIPT stic Mail Only ivery information, visit our website at www.usps.com OFFICAL USE our Fee cas & Fees phech box, add see as appropriately tecepic pharebopy 8 book professionately 8 had Restricted Delivery 8 prature Rockled 8 mature Rockled Delivery 8	ENDER: COMPLETE THIS SECTION Complete Items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: EO & Resources Inc. 5509 Champion Drive Midland, Tx. 79706	A. Signature A. Signature Addinssi F. Received by (Printed Name) C. Dete of Delive I M M M M T T L 2 d D. Is delivery address different from item 17 Yes If YES, enter delivery address below: No
OG Resources, Inc. 509 Champions Drive 1idland, Texas 79706	9590 9402 3649 7335 4312 80 Afficia Number (Templer from service label) 7018 0480 0000 0483 0555	3. Service Type ☐ Adult Signature ☐ Adult Signature ☐ Certified Mail Restricted Delivery ☐ Certified Mail Restricted Delivery ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery Restricted Delivery ☐ Superance Confirmation ☐ Insured Mail Restricted Delivery ☐ Superance Confirmation ☐ Signature Confirmation ☐ Restricted Delivery
	PS Form 3811, July 2015 PSN 7530-02-000-9053	Damestic Return Receip
estal Service'	SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
IFIED MAIL® RECEIPT Mail Only y information, visit our wobsite at www.uspes.com To DAGGAR I Pace (check box, add for as appropriate) 1 (madospy) 8	■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Merchant Livestock Co. Inc. POBOX 1105 Eunice, NM 98231	B. Reabived by (Pylinted Name) C. Dateyof Deliver LICAN Facus S/30/15 D. Is delivery address different from Name 1? Yes TYES, enter delivery address below: No
chant Livestock Co, Inc. Box 1105 ce, New Mexico 88231 April 2015 Psylosostator San Reverse for Instructions	9590 9402 3649 7335 4313 27 2. Article Number (Transfer from service label) 7018 0680 0000 0683 0562 PS Form 3811, July 2015 PSN 7530-02-000-9053	Service Type Registred Mail Perpression Pricety Mail Expression Registred Mail Perpression Pricety Mail Expression Certified Mail Restricted Delivery Collect on Delivery Collect on Delivery Restricted Delivery Insured Mail Restricted Delivery Insured Mail Restricted Delivery Signature Confirmation Signatu

Attachment

The Dagger SWD No 1 Location within the drill island in Sec 30 (1325' FEL, 2625 FNL of Unit G, Section 30, Township 21 South, Range 33 East)



SOURCE ZONE

WOLFCAMP

Lab ID

API No

3001520138

Sample ID

5688

Well Name

MAHUN STATE

001

Sample No

Location ULSTR 16 22 S 22 E

Lat / Long 32.39340

-104.70979

1800 N 1980 W County Eddy

Operator (when sampled)

Field

ROCKY ARROYO

Unit F

Sample Date

5/17/1968

Analysis Date

Sample Sourc DST

Depth (if known)

Water Typ

ph

8.6

35495

19000

alkalinity_as_caco3_mgL

ph_temp_F

hardness_as_caco3_mgL

specificgravity

hardness_mgL

specificgravity_temp_F

resistivity_ohm_cm

resistivity_ohm_cm_temp_

tds_mgL

tds_mgL_180C

conductivity

chloride_mgL

conductivity_temp_F

sodium_mgL

carbonate_mgL

calcium_mgL

bicarbonate_mgL

iron_mgL

830 2500

suffate_mgL hydroxide_mgL

barium_mgL

magnesium_mgL h2s_mgL

potassium_mgL

co2_mgL

strontium_mgL

o2_mgL

manganese_mgL

anionremarks

Remarks

SOURCE ZONE

BONE SPRING

Lab ID

API No

3002502429

Sample ID

4916

Well Name

LEA UNIT

005

Sample No

Location ULSTR 12 20

Lat/Long 32.58504

-103.51106

County Lea

Operator (when sampled)

Field

LEA

S 34 E

1980 E

Unit J

Sample Date

Analysis Date

Sample Sourc DST

Depth (if known)

Water Typ

ph

ph_temp_F

specificgravity

specificgravity_temp_F

tds_mgL

202606

hardness_as_caco3_mgL

alkalinity_as_caco3_mgL

hardness_mgL

resistivity_ohm_cm

resistivity_ohm_cm_temp_ conductivity

tds_mgL_180C chloride_mgL

118100

conductivity_temp_F

carbonate_mgL

bicarbonate_mgL

5196 992

calcium_mgL iron_mgL

sodium_mgL

barium_mgL

magnesium_mgL

potassium_mgL

strontium_mgL

manganese_mgL

sulfate_mgL

hydroxide_mgL

h2s_mgL co2_mgL

o2_mgL

anionremarks

Remarks

SOURCE ZONE

DELAWARE

Lab ID

API No 3002508367 Sample ID

4347

Well Name

BELL LAKE UNIT

007

Sample No

Location ULSTR 01

E

87686

53920

Lat / Long 32.25143

-103.51924

Lea

391

749

24 660 N 660 Ε

County

Operator (when sampled)

Field SWD Unit 1

Sample Date

Analysis Date

Sample Sourc UNKNOWN

S 33

Depth (if known)

Water Typ

ph

alkalinity_as_caco3_mgL

ph_temp_F

hardness_as_caco3_mgL

specificgravity

hardness_mgL

specificgravity_temp_F

resistivity_ohm_cm

tds_mgL

resistivity_ohm_cm_temp_

tds_mgL_180C

conductivity

chloride_mgL

conductivity_temp_F

sodium_mgL

carbonate_mgL

calcium_mgL

bicarbonate_mgL

iron_mgL

sulfate_mgL hydroxide_mgL

barium_mgL magnesium_mgL

h2s_mgL

potassium_mgL

co2_mgL

strontium_mgL

o2_mgL

manganese_mgL

anionremarks

Remarks

DISPOSAL ZONE

DEVONIAN Lab ID

API No. 3002508483 Sample ID 5733

Well Name BELL LAKE UNIT 006 Sample No

Location ULSTR 06 23 S 34 E Lat/Long 32.32821 -103.50663

660 S 1980 E County Lea

Operator (when sampled)

Field BELL LAKE NORTH Unit O

Sample Date Analysis Date

Sample Source HEATER/TREATER Depth (if known)

Water Type

 ph
 7
 alkalinity_as_caco3_mgL

 ph_temp_F
 hardness_as_caco3_mgL

specificgravity hardness_mgL
specificgravity_temp_F resistivity_ohm_cm

tds_mgL 71078 resistivity_ohm_cm_temp_

tds_mgL_180C conductivity

chloride_mgL 42200 conductivity_temp_F sodium_mgL carbonate_mgL

 calcium_mgL
 bicarbonate_mgL
 500

 iron_mgL
 sulfate_mgL
 1000

o2_mgL

barium_mgL hydroxide_mgL
magnesium_mgL h2s_mgL
potassium_mgL co2_mgL

manganese_mgL anionremarks

Remarks

strontium_mgL

McMillan, Michael, EMNRD

From: Paul Burdick < PBurdick@advanceenergypartners.com>

Sent: Thursday, December 13, 2018 12:20 PM

To: McMillan, Michael, EMNRD

Subject: [EXT] SWD Notification to State Land Office

Mike, I'm flowing up on our phone conversation earlier today. This note concerns the SWD Well Application of Advance Energy Partners Hat Mesa, LLC. I can confirm we mailed the notice letter to the NM State Land Office on August 24, 2108.

Although the State land Office did not date the receipt date. However, the other parties received the notice August 30, 2018 so it sounds reasonable the SLO also received the notice the same date.

Does this note satisfy your needs?

Paul Burdick, Land Advisor Advance Energy Partners, LLC. 11490 Westheimer Road, Suite 950 Houston, Texas 77077

832-672-4623 (office) 713-228-7320 (cell)



Goetze, Phillip, EMNRD

From:

Goetze, Phillip, EMNRD

Sent:

Wednesday, February 20, 2019 8:41 AM

To:

'Don Glover'

Cc:

David Harwell; Jones, William V, EMNRD; McMillan, Michael, EMNRD; Kautz, Paul,

EMNRD

Subject:

RE: Advance Energy Partners Hat Mesa LLC - Dagger SWD No. 1 permit

Mr. Glover:

Thank you for responding to the items I requested. I'll take this well design and include it in the application. Paul will have the final say, but any modification of the well design doesn't impact the issuance of an SWD order since you have addressed the major concerns. I should have a draft prepared for the Director's review no later than Monday. PRG

Phillip Goetze, PG

Engineering Bureau, Oil Conservation Division, NM EMNRD

1220 South St. Francis Drive, Santa Fe, NM 87505

Direct: 505.476.3466

E-mail: phillip.goetze@state.nm.us

From: Don Glover <dglover@advanceenergypartners.com>

Sent: Tuesday, February 19, 2019 1:00 PM

To: Goetze, Phillip, EMNRD < Phillip.Goetze@state.nm.us>

Cc: David Harwell < DHarwell@advanceenergypartners.com>; Jones, William V, EMNRD < William V.Jones@state.nm.us>;

McMillan, Michael, EMNRD < Michael. McMillan@state.nm.us>; Kautz, Paul, EMNRD < paul.kautz@state.nm.us>

Subject: [EXT] RE: Advance Energy Partners Hat Mesa LLC - Dagger SWD No. 1 permit

Phillip

Thank you so much for working with us on this well. We appreciate your time. Attached is the revised casing program. We think this will satisfy the requirements.

From: Goetze, Phillip, EMNRD < Phillip.Goetze@state.nm.us>

Sent: Monday, February 18, 2019 4:39 PM

To: Don Glover <dglover@advanceenergypartners.com>

Cc: David Harwell < DHarwell@advanceenergypartners.com>; Jones, William V, EMNRD < William V.Jones@state.nm.us>;

McMillan, Michael, EMNRD < Michael. McMillan@state.nm.us>; Kautz, Paul, EMNRD < paul.kautz@state.nm.us>

Subject: RE: Advance Energy Partners Hat Mesa LLC - Dagger SWD No. 1 permit

Mr. Glover:

I have reviewed the design submitted in your last e-mail and find that basic casing requirements for Order No. R-111-P are not addressed. There should be separate casing for the surface (hydrologic) interval and the salt interval (Salado). Since this is a SWD disposal well and it is within R-111-P and the 4-string agreement with BLM, there will have to be additional modification of the proposed casing program. An example is provided for the Galaxy. With regards to the 3Bear design of the Libby Berry SWD No. 3, this application was withdrawn by the applicant following protest by an operator before review by the UIC technical staff. A redesign for this well would have been requested. PRG

Phillip Goetze, PG

Engineering Bureau, Oil Conservation Division, NM EMNRD

1220 South St. Francis Drive, Santa Fe. NM 87505

Direct: 505.476.3466

E-mail: phillip.goetze@state.nm.us

From: Don Glover <dglover@advanceenergypartners.com>

Sent: Monday, February 18, 2019 1:54 PM

To: Goetze, Phillip, EMNRD < Phillip.Goetze@state.nm.us>

Cc: David Harwell < DHarwell@advanceenergypartners.com>; Jones, William V, EMNRD < William V, Jones@state.nm.us>;

McMillan, Michael, EMNRD < Michael. McMillan@state.nm.us>

Subject: [EXT] RE: Advance Energy Partners Hat Mesa LLC - Dagger SWD No. 1 permit

Hi Phillip

Any update? Are you okay with the casing design program. We need to start ordering pipe.

From: Don Glover

Sent: Wednesday, February 13, 2019 5:09 PM

To: 'Goetze, Phillip, EMNRD' < Phillip.Goetze@state.nm.us>

Cc: David Harwell < DHarwell@advanceenergypartners.com>; Jones, William V, EMNRD < William V. Jones@state.nm.us>;

McMillan, Michael, EMNRD < Michael. McMillan@state.nm.us>

Subject: RE: Advance Energy Partners Hat Mesa LLC - Dagger SWD No. 1 permit

Hi Phillip!

Addressing Dot Point 1

Attached is the updated WBS for the Dagger SWD #1. Please note the following:

- New casing design mirrors the Libby Berry SWD #0003 drilled by 3 Bears
- 3 Bears has the intermediate set in the 2nd Bone Spring
- 3 Bears has a 39# liner however our casing model shows the 29.7# works.
- The casing design model also shows 17# for the 5-1/2" tubing string. For now I have updated the tubing string as follows due to a conversation with Mr. Phillips:
 - o 5-1/2" from 20# to 17#
 - o 5" from 18# to 15#

Please let us know if this casing program meets your expectations.

Addressing Dot Point 2

Consulting Company MVG Energy Solution President Affirmations statement.

Addressing Dot Point 3

At this point, Advance Energy Partners will only dispose disposal from leases and operations of Advanced Energy Partners Hat Mesa LLC

Please don't hesitate to contact us if you need any more information.

From: Goetze, Phillip, EMNRD < Phillip.Goetze@state.nm.us>

Sent: Friday, February 8, 2019 5:19 PM

To: Don Glover < dglover@advanceenergypartners.com>

Cc: David Harwell < DHarwell@advanceenergypartners.com >; Jones, William V, EMNRD < William V.Jones@state.nm.us >;

McMillan, Michael, EMNRD < Michael. McMillan@state.nm.us>

Subject: RE: Advance Energy Partners Hat Mesa LLC - Dagger SWD No. 1 permit

Mr. Glover:

At this point of review, the following items will require a response:

- Well design: the Salado (salt interval) has to isolated by its own casing interval. The use of the 13.375-inch
 intermediate casing for the Salado and Capitan Reef is not acceptable. Please have a new casing program that
 addresses this situation. Pleas submit a revised Injection Well Data Sheet along with an updated well diagram.
- Affirmation statement: though "Advanced Energy Partners Hat Mesa LLC" has examined the available geologic and engineering data, if the application was protested "Advanced Energy Partners Hat Mesa LLC" could not appear to testify. The affirmation statement has to endorsed by a qualified individual able to provided testimony as an expert witness. The statement shall be resubmitted affirmed by a qualified individual such as Mr.
- Sources of Class II fluids for disposal: please note that the SWD order will only allow for disposal from leases and operations of Advanced Energy Partners Hat Mesa LLC. The order would include an opportunity to become "commercial" but this will likely require additional information not contain in this application.

Please submit the requested items as soon as possible as this will help finalize the draft order. If you have any questions, please contact me by e-mail/phone at your convenience. Thank you. PRG

Phillip Goetze, PG

Engineering Bureau, Oil Conservation Division, NM EMNRD

1220 South St. Francis Drive, Santa Fe, NM 87505

Direct: 505.476.3466

E-mail: phillip.goetze@state.nm.us

From: Don Glover <dglover@advanceenergypartners.com>

Sent: Tuesday, February 5, 2019 3:13 PM

To: Goetze, Phillip, EMNRD < Phillip.Goetze@state.nm.us>; Jones, William V, EMNRD < William V.Jones@state.nm.us>;

McMillan, Michael, EMNRD < McC: David Harwell < DHarwell@advanceenergypartners.com

Subject: [EXT] RE: Advance Energy Partners Hat Mesa LLC - Dagger SWD No. 1 permit

Thank you so much

From: Goetze, Phillip, EMNRD < Phillip.Goetze@state.nm.us>

Sent: Monday, February 4, 2019 4:22 PM

To: Don Glover dglover@advanceenergypartners.com; Jones, William V, EMNRD < William V.Jones@state.nm.us>;

McMillan, Michael, EMNRD < McC: David Harwell < DHarwell@advanceenergypartners.com

Subject: RE: Advance Energy Partners Hat Mesa LLC - Dagger SWD No. 1 permit

Mr. Glover:

I will be reviewing your application this week and will provide comment within the next two days. PRG

Phillip Goetze, PG

Engineering Bureau, Oil Conservation Division, NM EMNRD

1220 South St. Francis Drive, Santa Fe, NM 87505

Direct: 505.476.3466

E-mail: phillip.goetze@state.nm.us

From: Don Glover < dglover@advanceenergypartners.com>

Sent: Monday, February 4, 2019 1:53 PM

To: Jones, William V, EMNRD < William V. Jones@state.nm.us >; Goetze, Phillip, EMNRD < Phillip.Goetze@state.nm.us >;

McMillan, Michael, EMNRD < McC: David Harwell < DHarwell@advanceenergypartners.com>

Subject: [EXT] RE: Advance Energy Partners Hat Mesa LLC - Dagger SWD No. 1 permit

Gentleman

The applicant is Advance Energy Partners Hat Mesa LLC.

OGRID Number: 372417

Well Name Dagger SWD No. 1

Submitted 9/6/2018

From: Jones, William V, EMNRD < William V.Jones@state.nm.us>

Sent: Monday, February 4, 2019 2:06 PM

To: Goetze, Phillip, EMNRD < Phillip.Goetze@state.nm.us>; McMillan, Michael, EMNRD

<Michael.McMillan@state.nm.us>

Cc: Don Glover <dglover@advanceenergypartners.com>

Subject: FW: Advance Energy Partners Hat Mesa LLC - Dagger SWD No. 1 permit

Phil or Mike,

Inquiry about SWD permit.

Will

From: Don Glover <dglover@advanceenergypartners.com>

Sent: Monday, February 4, 2019 8:39 AM

To: Jones, William V, EMNRD < <u>William V.Jones@state.nm.us</u>> **Cc:** David Harwell < <u>DHarwell@advanceenergypartners.com</u>>

Subject: [EXT] Advance Energy Partners Hat Mesa LLC - Dagger SWD No. 1 permit

Hi William

As you informed me to do 3 weeks ago "contact you at the end of the month regarding Advance Energy Partners Hat Mesa LLC - Dagger SWD No. 1 permit". Do you have an update? We would like to Spud the well in 10 days.

VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

Dagger SWD No. 1 Estimated Tops:

Formation	Depth
Rustler	1565'
Delaware	5335'
Bone Spring	8795'
Wolfcamp	12,035'
Strawn	13,425'
Mississippian Lime	15,630'
Woodford	16,225'
Devonian	16,425°
Silurian	16,869'

The injection zone is the Devonian/Silurian/Upper Ordovician, a mixture of non-hydrocarbon bearing limestones and dolomites estimated from 16,425' to 18,150'. Any underground drinking water sources will be shallower than 1565', the estimated top of the Rustler Anhydrite.

Geoscience Validation

NAME: Donald Glover	TITLE: President MVG Energy Solutions
NAME: Donald Glover SIGNATURE: 1 Mald Hove	DATE:2/13/2019

FORM C-10	8 Technical F	Review Summary	[Prepared b	y reviewer and include	ed with application; V16.2]	
DATE RECORD: First Rec: 9/17/208 or Suspended: Add. Request/Reply: Well						
ORDER TYPE: WE	X/PMX/SWD N	umber: 1787 Order	Date: 2/2	25/19 Legacy Permit	s/Orders: (02/2019)	
Well No Well Name(s):	Danger State	SUID Frame more	dified b	usal on OCD T	(02/2019)	
API: 30-0 25- Pending	()()			,	ass II Primacy 03/07/1982)	
General Location: 26.6 mi West Ex	Five feet	or Unit Sec Added to E/W	_ Tsp 2_	Rge <u>33E</u>	CountyC	
BLM 100K Map:				l l	,	
COMPLIANCE RULE 5.9: Total Well	s: <u>33</u> Inactiv	ve: 2 Fincl Assur:	<u>es</u> Comp	I. Order? <u>\lb</u> is	5.9 OK? Date: 2/26/2019	
WELL FILE REVIEWED Current	Status: No ATI) filed			3(4)	
WELL DIAGRAMS: NEW: Proposed	/		onv. O L	ogs in Imaging:		
Planned Rehab Work to Well: Only	a one mile	AOR for wells.	10 IS	assessment		
Amende			100			
Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)		Cement Sx or Cf	Cement Top and Determination Method	
Planned or Existing _Surface	26/30	0 to 1650	Stage Tool	est, 560	Cir to surface	
Planned_or ExistingInterm/Prod		0 to 3600		ests-750	Cir to Surface	
Planned_or Existinginterm/Prod	17/2/133/8	0 to 5250	DV tool /:	3700 est 980	hir to surface	
Planned or Existing Prod/Liner	1214 /95/8	0 to 12235	7 /	est. 1100	Cir to surface	
Planned or Existing Liner	83/4 / 75/8	12035 to 16425		est Hoo	Calc. X	
Planned or Existing OH PERF	51/2	16425-17695'	Inj Length	Completion	Operation Details:	
Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops	Drilled TD	PBTD	
Adjacent Unit: Litho. Struc. Por.		11 Stissippian		NEW TD 17695	NEW PBTD	
Confining Unit: Litho. Struc. Por.	Ø _	woodfard.	16225	NEW Open Hole 🕑	or NEW Perfs O	
Proposed Inj Interval TOP:		Devouir Fusseln	in 1642	Tubing Size Apered	in. Inter Coated? Yes	
Proposed Inj Interval BOTTOM:				Proposed Packer De	epth 16225 ft changed	
Confining Unit: Litho. Struc. Por. Adjacent Unit: Litho. Struc. Por.	+100	Simpson /Lord	17595		16325 (100-ft limit) . 0	
AOR: Hydrologic a	nd Geologic In			Admin Ini Press	psi 125 x 0.2 3 psi per ft)	
POTASH: R-111-P Noticed?	7 7 3		NASalt/Sal	The second secon		
1	Har Surface	VMs Double 53:70	* UVDDO	AFFIDM CTATEMEN	NT By Qualified Person	
		redesign 3250	HYDRO	AFFIRM STATEMEN	FW Analysis? NA	
NMOSE Basin: (np.tan CAP Disposal Fluid: Formation Source(s	- 1					
Disposal Fluid: Formation Source(s Disposal Interval: Inject Rate (Avg/	J	. (AND DESCRIPTION OF THE PARTY OF	nly () or Commercial ()	
HC Potential: Producing Interval?	Formarly Pro	ducing? 6 Method: Le	ac/DST/D&	Source. Alsura	2 Mi Radius Rool Man	
HC Potential: Producing Interval? 6 Formerly Producing? Method: Logs/DST/P&A/Other 2-Mi Radius Pool Map AOR Wells: 1/2-M Radius Map and Well List? No. Penetrating Wells: 0 [AOR Horizontals: AOR SWDs:]						
			_	AOR Horizontais:		
Penetrating Wells: No. Active Well			_		Diagrams?	
Penetrating Wells: No. P&A Wells	t	1/1/21 =		111010	Diagrams?	
NOTICE: Newspaper Date 08/2			_ Surface C	owner MMSLO	N. Date 8/30/18	
NULE 26.7(A): Identified Tracts?		-	hers iden		N. Date 8/30//8	
Order Conditions: Issues: 5	from 1/4 1/4 S	ection line; Satt	Capitan P	robection, HC pot	ential; liver too shallow. only 100 tic with op; mudlog / Picks 75/9	
Additional COAs: moved well	+45 ft (no issu	ues with notice); cm	t notic	e; Change lin	orly 100 the With	
				Shoe and to	op; mudlog / Picks 17/9	

Pending Application for High-Volume Devonian Disposal Well C-108 Application for Dagger State SWD No. 1 – Advance Energy Partners Hat Mesa LLC

