Additional

Information

Updated WBD 2/15/2023

API#	30-015-21602
Operator	Marina SWD New Mexico, LLC
Field	Undesignated
Snud Date	8/8/1975

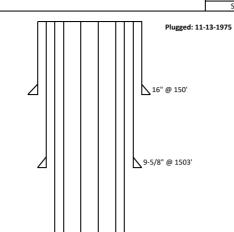
Lowenbruck 1

County, ST	Eddy County, NM
Sec-Twn-Rng	B-24-21S-26E
Footage	660 FNL & 1980FEL (3184' GL)
Survey	

Formation (MD)	
Delaware Sand	2306
Bone Springs	4727
3rd Bone Spring 824	
Sand	0247
Wolfcamp	8574
Penn	9650
Strawn	9964
Atoka	10424
Morrow Clastic	10922
B Morrow Sand	11344

RKB	3200'
GL	3184'
Surf	ace Casing
Hole Size	20"
TOC	surf
Method	circ returns
Csg Depth	150'
Size	16"
Weight	65
Grade	Unknown
Connections	
Cement	150 sx

Intermediate Casing 1		
Hole Size	15" & 12 1/4"	
TOC	surf	
Method	circ returns	
Csg Depth	1503'	
Size	9-5/8"	
Weight	47-40-36	
Grade	Unknown	
Connections		
Cement	700 sx	



7-5/8" @ 2510'

Plugging Details	
25 sx plugs set at: 11000-10900, 10000-9900, 8625-8525, 6850-6750,	
5050-4950, and 2560-2460.	
10 sx plug at surface - marker jt installed.	

Intermediate Casing 2	
Hole Size	12-1/4"
TOC	0
Method	circ
Csg Depth	2510
Size	7-5/8"
Weight	29.7
Grade	Unknown
Connections	SFJ-5
Cement	1000 sx

Production Casing		
Hole Size	6-3/4"	
TOC	above 2500'	
Method	circulate	
Csg Top	0	
Csg Depth		
Size	5-1/2"	
Weight	17#	
Grade	L-80	
Connections	BTC	
Cement		

PBTD	
TD MD	13238
TD TVD	13238

3-1/2" tubing/packer @ 12,090' MD

5-1/2" 20# Csg @ top of Devonian @12,238' TVD & MD

Last Update 2/23/2022 By LJA

4-3/4" Open Hole to TD well in Montoya @ 13,238' TVD & MD

Rose-Coss, Dylan, EMNRD

From: Lelan Anders <landers@santopetroleum.com>

Sent: Wednesday, February 15, 2023 1:18 PM **To:** Rose-Coss, Dylan, EMNRD; Brian Wood

Cc: Jeanette Reisenburg; Goetze, Phillip, EMNRD; Gebremichael, Million, EMNRD; Schaefer, Alana,

EMNRD

Subject: RE: [EXTERNAL] RE: Marina - Lowenbruck SWD 1

Attachments: Lowenbruck 1 - WBD.rev1.pdf

Follow Up Flag: Follow up Flag Status: Flagged

Categories: Red Category

Dylan et al,

Please see the attached Wellbore Diagram for the subject well. Our intent is to utilize the old wellbore and casing down to 2510' (saving us well over \$1MM). From there we will drill to TD of our 5-1/2" casing and cement it to surface. We will then drill 4-3/4" open hole in our desired injection interval in the Devonian formation. All critical formation tops can be seen on the top left of this WBD.

Please let me know if you need any additional information and we would be happy to provide.

Best Regards,

Lelan J Anders

Mobile: 281-908-1752

LAnders@SantoPetroleum.com

----Original Message-----

From: Rose-Coss, Dylan, EMNRD < DylanH.Rose-Coss@emnrd.nm.gov>

Sent: Wednesday, February 15, 2023 11:27 AM

To: Lelan Anders landers@santopetroleum.com; Brian Wood
 landers@santopetroleum.com; Brian Wood <a href="mailto:lander

Cc: Jeanette Reisenburg <jeanette@permitswest.com>; Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>;

Gebremichael, Million, EMNRD < Million.Gebremichael@emnrd.nm.gov>; Schaefer, Alana, EMNRD

<Alana.Schaefer@emnrd.nm.gov>

Subject: RE: [EXTERNAL] RE: Marina - Lowenbruck SWD 1

Lelan,

Thanks for bringing the matter to my attention. To be honest, the application is 1 of over 400 sitting in queue, so it is basically idle. However, as a result of the nudge, I was able to look into the app a little.

While the OCD prefers not to resurrect abandoned wells, there is not a policy against it, so it will be taken into consideration. The well is in a complex area near Carlsbad, the Capitan Reef and the Dagger Draw seismic response area. All of these factors make the review more complex.

Straight away I see that a liner is being proposed for the depth below 2500'. The application would be more favorably received were the cement and casing on that string be brought to the surface.

The UIC team can perform a complete administrative review to determine if there is any additional material necessary. In the meantime, if your team could submit the updated wellbore diagram, that would help us out. It would also help if the WBD was drawn more to scale, and included formation tops.

Regards,

Dylan Rose-Coss

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

C: (505) 372-8687

----Original Message----

From: Lelan Anders <landers@santopetroleum.com>

Sent: Tuesday, February 14, 2023 10:10 AM

To: Brian Wood <brian@permitswest.com>; Rose-Coss, Dylan, EMNRD <DylanH.Rose-Coss@emnrd.nm.gov>

Cc: Jeanette Reisenburg < jeanette@permitswest.com> Subject: [EXTERNAL] RE: Marina - Lowenbruck SWD 1

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dylan,

Any update on this SWD permit? Where are we in the process?

Thanks, Lelan J Anders VP, Operations 11 Greenway Plaza, Suite 535 Houston, Texas 77046 Mobile: 281-908-1752 Office: 713-600-7502

LAnders@SantoPetroleum.com

----Original Message-----

From: Brian Wood <bri>Sent: Wednesday, January 4, 2023 12:16 PM

To: Rose-Coss, Dylan, EMNRD < DylanH.Rose-Coss@emnrd.nm.gov>

Cc: Lelan Anders < landers@santopetroleum.com>; Jeanette Reisenburg < jeanette@permitswest.com>

Subject: Marina - Lowenbruck SWD 1

The C-108 application for 30-015- 21602 was uploaded June 27 2022. Marina still wants to re-enter, deepen, and convert this to a SWD well.

We have received no objections. It is on fee surface fee minerals. What is its status? Thanks