

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
Revised July 18, 2013

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address OWL SWD Operating, LLC 8214 Westchester Drive, Suite 850, Dallas, TX 75255		OGRID Number 308339
Property Code 325284	Property Name Sholes Deep SWD	API Number 30-025-45795
		Well No. 1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
O	19	25S	37E		900	South	2,414	East	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name SWD: Silurian-Devonian	Pool Code 97869
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Additional Well Information

Work Type N	Well Type SWD	Cable/Rotary R	Lease Type Private	Ground Level Elevation 3,033'
Multiple N	Proposed Depth 12,170'	Formation Silurian-Devonian	Contractor TBD	Spud Date ASAP
Depth to Ground water 80'	Distance from nearest fresh water well 802'	Distance to nearest surface water +1 mi		

☐ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	36"	30"	272.43 lb/ft	1,400'	3,815 sks	Surface
Intermediate 1	26"	20"	169.0 lb/ft	2,750'	3,270 sks	Surface
Intermediate 2	17.5"	13.375"	68 lb/ft	4,520'	2,460 sks	Surface
Production	12.25"	9.625"	58.4 lb/ft	10,400'	1940 sks	Surface
Tubing	N/A	5.5"	17 lb/ft	0' - 10,350'	N/A	N/A

Casing/Cement Program: Additional Comments

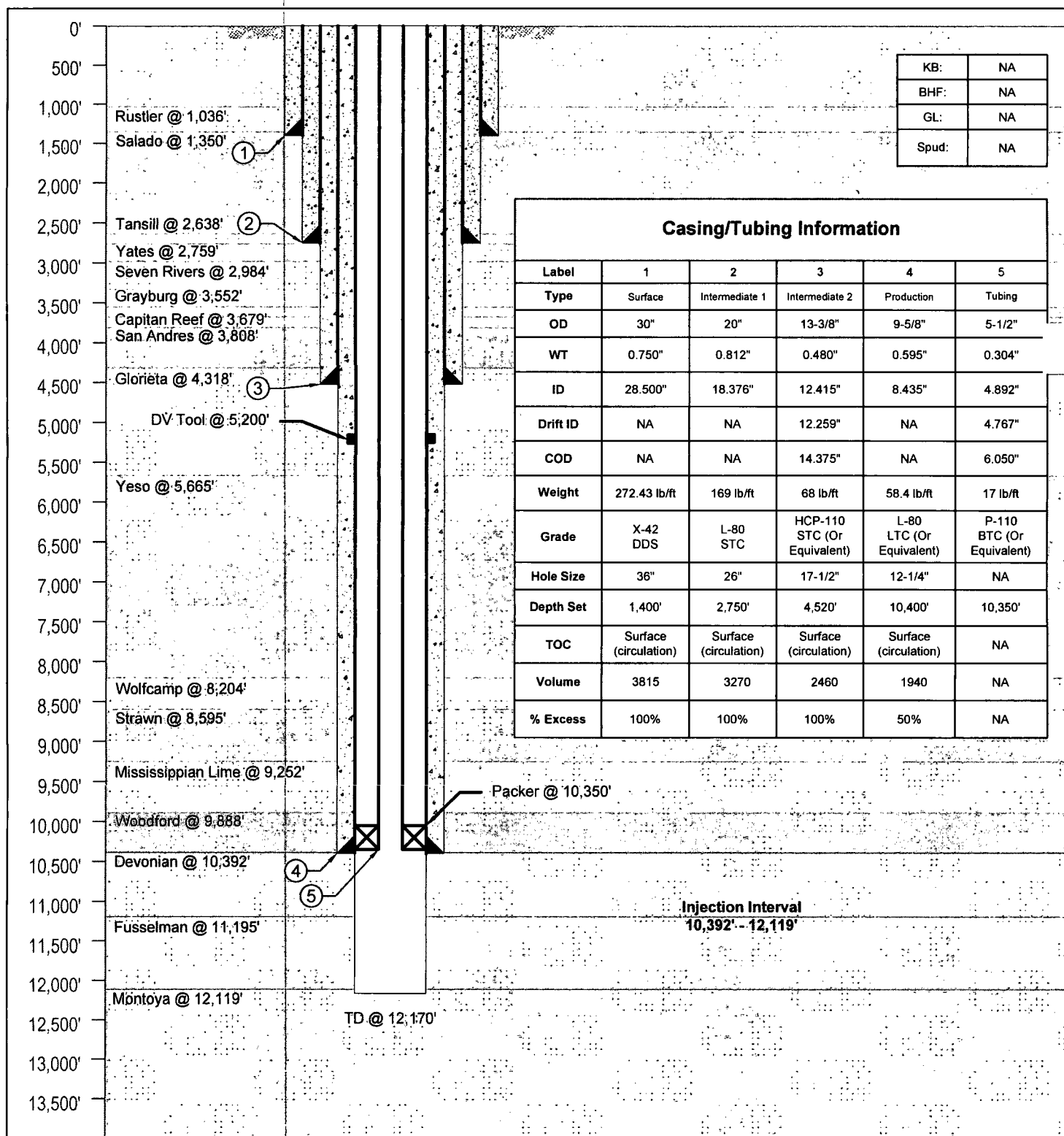
FOR TUBING SEE SWD-1795

See attached schematic.

22. Proposed Blowout Prevention Program


Type Double Hydraulic/Blinds Pipe	Working Pressure 10,000 psi	Test Pressure 8,000 psi	Manufacturer TBD (Schaffer/Cameron)
23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: Ramona K Hovey		OIL CONSERVATION DIVISION Approved By: [Signature] Title: [Signature] Approved Date: 04/02/19 Expiration Date: 04/02/21	
Printed name: Ramona Hovey			
Title: Consulting Engineer- Agent for OWL SWD Operating, LLC			
E-mail Address: ramona@lonquist.com			
Date: 03/06/2019	Phone: 512-600-1777	Conditions of Approval Attached	

Attached  
Conditions of Approval



KB:	NA
BHF:	NA
GL:	NA
Spud:	NA

Casing/Tubing Information					
Label	1	2	3	4	5
Type	Surface	Intermediate 1	Intermediate 2	Production	Tubing
OD	30"	20"	13-3/8"	9-5/8"	5-1/2"
WT	0.750"	0.812"	0.480"	0.595"	0.304"
ID	28.500"	18.376"	12.415"	8.435"	4.892"
Drift ID	NA	NA	12.259"	NA	4.767"
COD	NA	NA	14.375"	NA	6.050"
Weight	272.43 lb/ft	169 lb/ft	68 lb/ft	58.4 lb/ft	17 lb/ft
Grade	X-42 DDS	L-80 STC	HCP-110 STC (Or Equivalent)	L-80 LTC (Or Equivalent)	P-110 BTC (Or Equivalent)
Hole Size	36"	26"	17-1/2"	12-1/4"	NA
Depth Set	1,400'	2,750'	4,520'	10,400'	10,350'
TOC	Surface (circulation)	Surface (circulation)	Surface (circulation)	Surface (circulation)	NA
Volume	3815	3270	2460	1940	NA
% Excess	100%	100%	100%	50%	NA

<b>LONGUIST &amp; CO. LLC</b>  HOUSTON   CALGARY AUSTIN   WICHITA   DENVER	OWL		Sholes Deep SWD No. 1	
	Country: USA		State/Province: New Mexico	County/Parish: Lea
	Location:		Site:	Survey:
	API No: NA		Field:	Well Type/Status: SWD / New Drill
	Texas License F-9147		Project No: 1751	Date: 1/16/2019
12912 Hill Country Blvd. Ste F-200 Austin, Texas 78738 Tel: 512.732.9812 Fax: 512.732.9816	RRC District No:		Reviewed: SLP	Approved:
	Drawn: WHG		Notes:	
	Rev No: 8 (JAM)			

# CONDITIONS OF APPROVAL

API #	Operator	Well name & Number
30-025-45795	OWL SWD OPERATING LLC	Sholes Deep SWD # 001

Applicable conditions of approval marked with XXXXXX

## Administrative Orders Required

XXXXXXX	Review administrative order when approved for additional conditions of approval

## Other wells

## Casing

XXXXXXX	SURFACE, INTERMEDIATE(1), INTERMEDIATE(2) & PRODUCTION CASING - Cement must circulate to surface
XXXXXXX	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water

## Lost Circulation

XXXXXXX	Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186

## Water flows

XXXXXXX	Must notify OCD Hobbs Office of any water flow in the Salado formation at 575-370-3186. Report depth and flow rate.

## Stage Tool

XXXXXXX	Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186
XXXXXXX	If using Stage Tool on Surface casing, Stage Tool must be greater than 350' and a minimum 200 feet above surface shoe.
XXXXXXX	When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.

## Completion & Production

XXXXXXX	Will require a deviational survey with the C-105
XXXXXXX	Must notify Hobbs OCD office prior to conducting MIT (575) 393-6161 ext. 114
XXXXXXX	Must conduct & pass MIT prior to any injection
XXXXXXX	May not spud prior to C-108 approval (SWD order approval)
XXXXXXX	Approval of this APD does not guarantee approval of C-108
XXXXXXX	Approval of this APD does not approve your tubing sizes. Please see SWD order for approved tubing sizes.
XXXXXXX	Must conduct & pass MIT prior to any injection
XXXXXXX	If C-108 and/or SWD order is not approved and well has been drilled, the well must be plugged within 90 days of denial of your C-108