



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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<b>1. GENERAL AND WELL LOCATION</b>	OSE POD NO. (WELL NO.) POD 1		WELL TAG ID NO. 106B7		OSE FILE NO(S). RG-98740		
	WELL OWNER NAME(S) NM Ranch Properties, Inc.				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 8 Upham Rd.				CITY T or C	STATE NM	ZIP 87901
	WELL LOCATION (FROM GPS)	DEGREES 33	MINUTES 27	SECONDS 41.86	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LATITUDE		N	* DATUM REQUIRED: WGS 84		
	LONGITUDE	106	57	22.59	W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE1/4,NW1/4,NW1/4 S9 T10S R01W							

<b>2. DRILLING &amp; CASING INFORMATION</b>	LICENSE NO. WD-578		NAME OF LICENSED DRILLER David Mauldin			NAME OF WELL DRILLING COMPANY Mauldin Drilling LLC		
	DRILLING STARTED 8/31/2020	DRILLING ENDED 9/9/2020	DEPTH OF COMPLETED WELL (FT) 393	BORE HOLE DEPTH (FT) 393	DEPTH WATER FIRST ENCOUNTERED (FT) 120			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 129		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	+2	333	12.75	Carbon steel	Welded	8	.322	
	333	393	12.75	Stainless steel	Welded	8	.250	.050

<b>3. ANNULAR MATERIAL</b>	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	393	24	12.75	Pea gravel		
	24	0	12.75	Bentonite chips	17 sacks	

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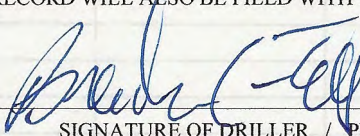
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4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	15	15	White clay	Y ✓ N	
	15	50	35	Silty clay and fine sand	Y ✓ N	
	50	70	20	Sandstone	Y ✓ N	
	70	85	15	Gray clay and silty sand	Y ✓ N	
	85	90	5	Sandstone	Y ✓ N	
	90	122	32	Fractured sandstone and fine sand	✓ Y N	5.00
	122	135	13	Gray clay mixed with sand	Y ✓ N	
	135	140	5	Silty sand and clay	Y ✓ N	
	140	145	5	Fine, silty sand	Y ✓ N	
	145	155	10	Sandstone mixed with clay and silty sand	Y ✓ N	
	155	165	10	Sandstone	Y N	
	165	175	10	Silty sand and red, sticky clay	Y ✓ N	
	175	215	40	Gray sandy clay	Y ✓ N	
	215	225	10	Red and gray clay mixed with sand	Y ✓ N	
	225	235	10	Fractured rock (sandstone?)	Y ✓ N	
	235	245	10	Coarse sand mixed with clay and fractured rock	✓ Y N	5.00
	245	255	10	Yellow and gray silty clay	Y ✓ N	
	255	260	5	Silty, sandy clay with fractured rock	Y ✓ N	
	260	265	5	Clay and silt	Y ✓ N	
	265	268	3	Dry clay mixed with coarse sand	✓ Y N	15.00
	268	275	7	Fractured oil shale	Y ✓ N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:  
 PUMP     AIR LIFT     BAILER     OTHER - SPECIFY:  
TOTAL ESTIMATED WELL YIELD (gpm): 25.00

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Total estimated yield is 45 gpm. Supplemental page for hydrogeologic log included.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: John Gordon	

6. SIGNATURE  
BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

      Brendan Tolley      April 15, 2021  
SIGNATURE OF DRILLER / PRINT SIGNEE NAME      DATE

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4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
FROM	TO			Y	N	
275	280	5	Oil shale and clay mixed with coarse sand	Y	✓ N	
280	285	5	Oil shale mixed with clay	Y	✓ N	
285	290	5	Fine sand and sticky clay	Y	✓ N	
290	292	2	Brown sticky clay	Y	✓ N	
292	335	43	Fractured rock, oil shale and silty sand	Y	✓ N	
335	355	20	Sandstone and oil shale	Y	✓ N	
355	357	2	Thick clay	Y	✓ N	
357	387	30	Fractured sandstone and oil shale	✓ Y	N	20.00
387	393	6	Gray silty clay	Y	✓ N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
				Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:				TOTAL ESTIMATED WELL YIELD (gpm):    20.00		

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Hydrogeologic log supplemental page. Total estimated well yield approx. 45 gpm.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:	

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE