

Application

Part IV

## **Entrada Formation Water Samples**

### **1. Entrada SWD**

Section 8-25N-3W

### **2. Santa Fe 20 No. 1 SWD**

Section 20-21N-8W

### **3. Herry Monster #3 SWD**

Section 11-24N-11W

Multi-Chem Analytical Laboratory  
 1122 S. FM1788  
 Midland, TX 76706

**multi-chem**  
 A HALLIBURTON SERVICE

Units of Measurement: **Standard**

**Water Analysis Report**

Production Company: **TNT Environmental**  
 Well Name: **SWD ENTRADA**  
 Sample Point: **SWD**  
 Sample Date: **11/20/2014**  
 Sample ID: **WA-294316**

Sales Rep: **Greg Ramalho**  
 Lab Tech: **Andrew Callaghan**

Scaling potential predicted using ScaleSoftPitzer from  
 Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	11/25/2014	Sodium (Na):	4455.35	Chloride (Cl):	6000.00
System Temperature 1 (°F):	31	Potassium (K):	44.79	Sulfate (SO <sub>4</sub> ):	1094.00
System Pressure 1 (psig):	15	Magnesium (Mg):	23.10	Bicarbonate (HCO <sub>3</sub> ):	427.00
System Temperature 2 (°F):	300	Calcium (Ca):	115.67	Carbonate (CO <sub>3</sub> ):	120.00
System Pressure 2 (psig):	300	Strontium (Sr):	7.60	Acetic Acid (CH <sub>3</sub> COO)	
Calculated Density (g/ml):	1.0059	Barium (Ba):	9.30	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	
pH:	7.60	Iron (Fe):	1.82	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	
Calculated TDS (mg/L):	12320.63	Zinc (Zn):	0.10	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	
CO <sub>2</sub> in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO <sub>2</sub> (mg/L):	80.00	Ammonia NH <sub>3</sub> :		Bromine (Br):	
H <sub>2</sub> S in Gas (%):		Manganese (Mn):	0.55	Silica (SiO <sub>2</sub> ):	21.35
H <sub>2</sub> S in Water (mg/L):	2.50				

Notes:

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> 2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
300.00	300.00	1.90	85.63	1.92	5.47	2.21	0.99	1.95	1.31	0.00	0.00	0.09	1.02	0.00	0.00	6.95	0.05
270.00	268.00	1.58	77.73	1.90	5.47	2.04	0.99	1.80	1.30	0.00	0.00	0.00	0.00	0.00	0.00	7.04	0.05
240.00	236.00	1.47	68.31	1.90	5.47	1.89	0.98	1.63	1.29	0.00	0.00	0.00	0.00	0.00	0.00	7.17	0.05
210.00	205.00	1.26	57.99	1.92	5.47	1.76	0.97	1.45	1.27	0.00	0.00	0.00	0.00	0.00	0.00	7.32	0.05
180.00	173.00	1.06	47.51	1.98	5.48	1.67	0.96	1.25	1.24	0.00	0.00	0.00	0.00	0.00	0.00	7.53	0.05
150.00	141.00	0.88	37.61	2.08	5.49	1.62	0.96	1.03	1.19	0.00	0.00	0.00	0.00	0.00	0.00	7.79	0.05
120.00	110.00	0.71	29.02	2.23	5.51	1.64	0.96	0.81	1.11	0.00	0.00	0.00	0.00	0.00	0.00	8.13	0.05
90.00	78.00	0.57	22.00	2.44	5.52	1.73	0.97	0.59	0.96	0.00	0.00	0.00	0.00	0.00	0.00	8.56	0.05
60.00	46.00	0.46	16.76	2.73	5.53	1.92	0.98	0.36	0.73	0.00	0.00	0.00	0.00	0.00	0.00	9.11	0.05
31.00	15.00	0.39	13.73	3.10	5.53	2.26	0.99	0.16	0.39	0.00	0.00	0.00	0.00	0.00	0.00	9.83	0.05

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> 0.5H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
300.00	300.00	0.00	0.00	0.14	31.79	0.00	0.00	0.91	0.06	0.00	0.00	7.71	25.75	4.14	13.11	9.66	1.42
270.00	268.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.06	0.00	0.00	6.34	25.03	3.32	12.39	8.62	1.41
240.00	236.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.05	0.00	0.00	4.87	22.02	2.45	10.55	7.49	1.41
210.00	205.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.03	0.00	0.00	3.30	15.59	1.51	7.07	6.31	1.40
180.00	173.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	7.51	0.54	2.57	5.08	1.38
150.00	141.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.84	1.32
120.00	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.66	1.18
90.00	78.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.90
60.00	46.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.45
31.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01



**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
**DALLAS, TEXAS**  
**WATER ANALYSIS**

**RECEIVED**

**MAR 25 1977**

Minerals Management Inc.

30-045-22291  
 G-20-21n-8w

File WA - 5

Company Dome Petroleum Corp. Well Name Sante Fe 20 No. 1 Sample No. SS-2  
 Formation \_\_\_\_\_ Depth \_\_\_\_\_ Sampled From \_\_\_\_\_  
 Location Sec 20 T 21N R 8W Field \_\_\_\_\_ County San Juan State N.M.  
 Date Sampled 3-9-77 Date Analyzed 3-13-77 Engineer RGC

Total Dissolved Solids 11,114.5 mg/L \_\_\_\_\_

Sp. Gr. 1.009 @ 70 °F.

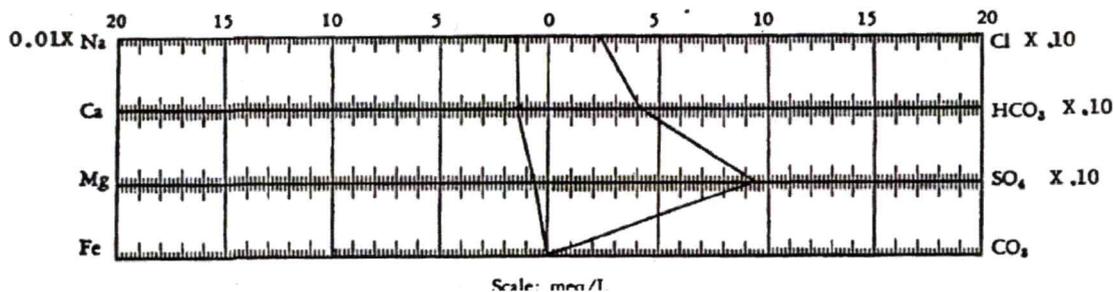
Resistivity 1.0 ohm-meters @ 70 °F. \_\_\_\_\_

Hydrogen Sulfide Present

pH 7.73

Constituents	meq/L	mg/L	Constituents	meq/L	mg/L
Sodium	<u>140.44</u>	<u>3228.7</u>	Chloride	<u>25.47</u>	<u>903.0</u>
Calcium	<u>1.35</u>	<u>27.0</u>	Bicarbonate	<u>41.73</u>	<u>2546.0</u>
Magnesium	<u>0.73</u>	<u>8.9</u>	Sulfate	<u>91.61</u>	<u>4400.0</u>
Iron	<u>0.03</u>	<u>0.9</u>	Carbonate	<u>ND</u>	<u>ND*</u>
Barium	<u>ND</u>	<u>ND</u>	Hydroxide	<u>ND</u>	<u>ND</u>

\*ND = Less than 0.1 mg/L



# HALLIBURTON

## Water Analysis Report

30-045-33217

F-11-24n-11w

To: Dugan Production Date: 11/10/2005  
Submitted by: Halliburton Energy Services Date Rec: 11/10/2005  
Attention: Darrin Steed Report #: FLMM5A44  
Well Name: Herry Monster #3 SWD Formation: Entrada/SWD

Specific Gravity	1.005	
pH	8.4	
Resistivity	0.89	@ 70° F
Iron (Fe)	0	Mg / L
Potassium (K)	200	Mg / L
Sodium (Na)	4165	Mg / L
Calcium (Ca)	176	Mg / L
Magnesium (Mg)	15	Mg / L
Chlorides (Cl)	2200	Mg / L
Sulfates (SO4)	2000	Mg / L
Carbonates (CO3)	40	Mg / L
Bicarbonates (HCO3)	5612	Mg / L
Total Dissolved Solids	14408	Mg / L

Respectfully: Bill Loughridge  
Title: Senior Scientist  
Location: Farmington, NM

Application for Authorization to Inject

DJR Operating, LLC

**North Alamito WDW #1**

Part VIII. Geologic Data

The proposed injection interval is the Entrada Sandstone from approximately 6875' to 7070' below the surface.

The proposed injection interval for the North Alamito water disposal well is the Entrada Sandstone from approximately 6875 ft to 7070 ft.

Point of diversion data (POD) obtained from the New Mexico Office of the State Engineer (NMOSE) on July 17, 2019 and field verification performed by DJR indicates that there are no water wells located within 1 mile of the proposed North Alamito water disposal well.

The NMOSE POD dataset also indicates that the closest surface water diversion to the North Alamito water disposal well is SD 05187, which is located 20.7 miles to the north west of the North Alamito water disposal well.

The National Hydrography Dataset indicates that the closest surface water feature to the North Alamito water disposal well is an unnamed arroyo, which is located 1,300 ft to the north west.

There are no known drinking water sources below the Mesaverde interval. The formation tops in the wells are as follows:

Ojo Alamo	725
Kirtland	765
Fruitland	1025
Pictured Cliffs	1280
Lewis	1460
Chacra	2035
Cliff House	2730
Menefee	2765
Point Lookout	3675
Mancos	3845
Gallup	4515
Greenhorn	5625
Dakota	5775
Todilto	6815
<b>Entrada</b>	<b>6875</b>
<b>Total Depth</b>	<b>7070</b>

Part IX. Stimulation Program

Following injection rate tests, it may be necessary to stimulate the Entrada Sandstone by acidizing or fracturing.

Part X. Logging and Test Data

All logs and test data for the injection well will be submitted to the New Mexico Oil & Gas Conservation Division in Aztec, NM.

Part XI. Fresh Water Samples

Point of diversion data (POD) obtained from the New Mexico Office of the State Engineer (NMOSE) on July 17, 2019 and field verification performed by DJR indicates that there are no water wells located within 1 mile of the proposed North Alamito water disposal well.

Application for Authorization to Inject

DJR Operating, LLC

**North Alamito WDW #1**

Part XII. Statement of Geologic and Engineering Data

I have examined all available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.



\_\_\_\_\_  
Ningning Li, Completions Manager

8/15/19

\_\_\_\_\_  
Date

Application for Authorization to Inject

DJR Operating, LLC

**North Alamito Unit WDW #1**

Part XIII. Proof of Notice

Attached are proofs of notice that this application has been sent by certified mail to the surface owner of the land which the injection well is to be located on and all leasehold operators within one-half mile of the well location. Also, proof of publication is enclosed showing the legal advertisement which was published in the Farmington Daily Times.

## Attachment to Application for Permit to Drill Drilling program

### DJR Operating, LLC

1600 N. Broadway Suite 1960  
Denver, CO 80202  
U.S.A

### North Alamito WDW No. 1

Surface Location: 908' FNL & 1176' FEL  
Section 1, T22N, R8W  
Ungraded GL Elev: 6939'  
San Juan County, NM

Drilling program written in compliance with onshore Oil and Gas Order No. 1  
(001 III.D.3, effective May 2007) and Onshore Order No. 2 Dated November 18,1988

#### 1. Geological Name of Surface Formation / Estimate Formation Top

The following table identifies the geologic markers and formation tops (depth in feet from surface) based on open hole logs from off set wells in the area.

Formation Tops	Subsea	TVD	MD	O/G/W	Pressure	KB>>	6835
Ojo Alamo	6110	725	725	W	normal		
Kirtland	6070	765	765	W	normal		
Fruitland	5810	1025	1025	G/W	sub-normal		
Pictured Cliffs	5555	1280	1280	G/W	sub-normal		
Lewis	5375	1460	1460	G/W	normal		
Chacra	4800	2035	2035	G/W	normal		
Cliff House	4105	2730	2730	G/W	sub-normal		
Menefee	4070	2765	2765	G/W	normal		
Point Lookout	3160	3675	3675	G/W	normal		
Mancos	2990	3845	3845	O/G	normal		
Gallup	2320	4515	4515	O/G	normal		
Greenhorn	1210	5625	5625	O/G/W	normal		
Dakota	1060	5775	5775	O/G/W	normal		
Todilto	20	6815	6815	G/W	normal		
<b>Entrada</b>	-40	<b>6875</b>	6875	W	normal		
<b>Total Depth</b>	-235	7070	7070				
Surface: Nacimiento							
Oil & Gas Zones: Oil & gas can be expected from multiple zones in the wellbore, target is the Entrada which is expected to be water bearing							
Pressure: Normal or sub-normal pressure expected (0.43 psi/ft or less)							
Maximum BH pressure	2956.25						
No H2S expected							

## 2. Estimated Depth of all Zones Anticipated to Have Fluid Occurrences (Oil, Gas, Water)

Formation Tops	Subsea	TVD	MD	O/G/W	Pressure	KB>>	6835
Ojo Alamo	6110	725	725	W	normal		
Kirtland	6070	765	765	W	normal		
Fruitland	5810	1025	1025	G/W	sub-normal		
Pictured Cliffs	5555	1280	1280	G/W	sub-normal		
Lewis	5375	1460	1460	G/W	normal		
Chacra	4800	2035	2035	G/W	normal		
Cliff House	4105	2730	2730	G/W	sub-normal		
Menefee	4070	2765	2765	G/W	normal		
Point Lookout	3160	3675	3675	G/W	normal		
Mancos	2990	3845	3845	O/G	normal		
Gallup	2320	4515	4515	O/G	normal		
Greenhorn	1210	5625	5625	O/G/W	normal		
Dakota	1060	5775	5775	O/G/W	normal		
Todilto	20	6815	6815	G/W	normal		
<b>Entrada</b>	-40	<b>6875</b>	6875	W	normal		
<b>Total Depth</b>	-235	7070	7070				

Surface: Nacimiento  
 Oil & Gas Zones: Oil & gas can be expected from multiple zones in the wellbore, target is the Entrada which is expected to be water bearing  
 Pressure: Normal or sub-normal pressure expected (0.43 psi/ft or less)  
 Maximum BH pressure 2956.25  
 No H2S expected

All formations listed in the table above may be expected to contain some water, but historically oil and gas zones can be expected in the zones labeled O/G/W (oil/gas/water).

## 3. Pressure Control Equipment

### a. Blowout Preventer (BOP) Equipment

DEPTH INTERVAL	BOP EQUIPMENT
0-500'	No Pressure control Required
500' – 7070'	11" 2000 psi double ram type BOP

Drilling spool to accommodate choke and kill lines with choke manifold rated to 2000 psi.

### b. Ancillary Equipment

- i. Upper Kelly cock and lower Kelly cock will be installed while drilling.
- ii. Inside BOP or stab in valve will always be available in open position on rig floor
- iii. Safety valves and subs to fit all string connections in use.

### c. Choke Manifold

Refer to BOP diagram for detailed schematics for each hole section.

d. BOP Testing

- i. Initial 11” 2K BOP stack will be installed in casing head after setting 9.625” casing.
- ii. The BLM and NMOCD will be notified 24 hours in advance of all BOP pressure tests.
- iii. Pressure tests will be conducted on the BOP stack using a test plug and independent test company after nipple up.
- iv. Subsequent BOP tests will be conducted a minimum of every 30 days. A new test will be conducted each time the stack is altered.
- v. All BOP and manifold tests will be in accordance with the requirements of Onshore Order No. 2.

e. BOP Test Pressures

11” BOP			
Pressure Test	Ram Test	Manifold Test	
High Pressure	2000 psi	2500 psi	
Low Pressure	250 psi	250 psi	

**4. Proposed Bit and Casing Program**

a. Bit Program

12 1/4” Surface Hole = Surface to 500’

8-3/4” hole = 500’ to 7070’ = Production casing point

b. Casing Program – all casing stings are new casing

Casing & Hole Size	Weight	Grade	Coupling	Setting Depth (MD)	Comments
9-5/8” (12 1/4”)	36 ppf	J-55	ST&C	0’ - 500’	New casing. Cement to surface.
7” (8-3/4”)	26 ppf	L-80	LT&C	0’ - 7070’ MD	New Casing. Cement to surface.
				DV tool at ~ 3795’	

**Casing strings below the conductor casing will be tested to .22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield.**

Minimum casing design factors used: Collapse - 1.125  
Burst - 1.0  
Jt. Strength - 1.60

Surface casing shall have a minimum of 1 centralizer per joint on the bottom three (3) joints, starting with the shoe joint for a total of (4) minimum centralizers. Centralizers will be placed 10' above the shoe on the shoe joint, on the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> casing collars then every other joint to surface.

The production casing will be centralized using 1 centralizer on the first 10 jts and then every 4<sup>th</sup> joint to the surface. The stage tool will have turbolizers placed on the joint above and below.

## **5. PROPOSED CEMENTING PROGRAM**

The proposed cementing program has been designed to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. All indications of useable water shall be reported.

a) The proposed cementing program is as follows:

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a pre-flush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.

### **Surface Casing Single Stage Job – (0-500’):**

**Excess** – 125% over gauge hole – 12-1/4” hole and 9-5/8” casing – 0.3132 ft/ft

**Top of Cement** - Surface

**Lead: 253 sx** (352 cf) of Type III w/ 2% bwoc Calcium Chloride, 0.25 lbs/sx CelloFlake, 59.2% Fresh Water. 14.6 ppg, yield 1.39 cf/sx – 0.3132 ft3/ft

**Total sacks of surface cement pumped = 253 sx**

### **Production Casing – Two Stage Job - (0-7070’MD):**

**Excess** – 50% over gauge hole – 8-3/4” hole and 7” casing - DV tool at 3795’ (50’ above Mancos) – 0.1503 ft3/ft

**Top of Cement** – Surface.

**1<sup>st</sup> Stage – (7070’ – 3795’)**

**1<sup>st</sup> Stage Lead (6570’ – 3795’) – 315 sx** (626 cf) Premium Lite High Strength FM, 0.25% lbs/sx CelloFlake, 0.3% bwoc CD-32, 6.25 lbs/sx LCM-1, 1% bwoc FL-52A, 98% Fresh Water – 12.5 ppg, yield 1.99 cf/sx

**1<sup>st</sup> Stage Tail – (7070’-6570’) -82 sx** (113 cf) Type III, 1% bwoc Calcium Chloride, 0.25 lbs/sx Cello Flake, 0.2% bwoc FL-52A, 58.9% Fresh Water – 14.6 ppg, yield 1.38 cf/sx

**Circulate minimum 4 hrs between stages**

**2nd Stage – (3795’-0)**

**2nd Stage Lead (3295’ – 0’) – 373 sx** (626 cf) Premium Lite High Strength FM, 0.25% lbs/sx CelloFlake, 0.3% bwoc CD-32, 6.25 lbs/sx LCM-1, 1% bwoc FL-52A, 98% Fresh Water – 12.5 ppg, yield 1.99 cf/sx

**2nd Stage Tail – (3795’-3295’) -82 sx** (113 cf) Type III, 1% bwoc Calcium Chloride, 0.25 lbs/sx Cello Flake, 0.2% bwoc FL-52A, 58.9% Fresh Water – 14.6 ppg, yield 1.38 cf/sx

Total sacks of production cement pumped = 852 sx

**Cement volumes are minimums and may be adjusted based on caliper log results.**

Actual volumes will be calculated and determined by conditions onsite. All cement slurries will meet or exceed minimum BLM and State of New Mexico Oil & Gas Division requirements. Slurries used will be the slurries listed above or equivalent slurries depending on service provider selected. Cement yields may change depending on slurries selected.

All waiting on cement times shall be a minimum of 8 hours or adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

**6. Proposed Drilling Fluid Program**

**a. Mud type and properties**

Hole Size (in)	TVD (ft)	Mud Type	Density (lb/gal)	Viscosity (sec/qt)	Fluid Loss (cc)
12 1/4"	0-500'	Fresh Mud LSND	8.8 - 9.0	45 - 100	6 or less
8-3/4"	500' - 7070'	Fresh Mud LSND	8.8- 9.8	45 - 100	6 or less

i. A closed loop mud system will be used per NMOCD requirements.

ii. Enough barite will be kept onsite to weight mud sufficiently to contain any unexpected pressures.

b) Monitoring

Mud volume and flow will be monitored visually.

**7. Formation Evaluation Program**

<b>Cores</b>	None anticipated
<b>Testing</b>	None anticipated
<b>Sampling</b>	None anticipated
<b>Surveys</b>	Deviation surveys only
<b>Log program</b>	DIL-GR-SP, FDC-CNL-GR-Caliper from 9200' to minimum logging depths

**8. Drilling Conditions**

a. Anticipated abnormal pressures or temperatures.

i. No abnormal pressures or temperatures or other hazards are anticipated.

ii. Maximum bottom hole pressure equals approximately 2956 psig (pounds per square inch gauge)\*

\* Max mud wt x 0.052 x TD = A (bottom hole pressure)

$$9 \times 0.052 \times 7070' = 3309 \text{ psig}$$

\*\* Maximum surface pressure = A - (0.22 x TD)

$$3309 - (0.22 \times 7070) = 1753 \text{ psig}$$

Hydrogen Sulfide (H2S)

H2S has not been an issue on the wells drilled in the immediate area so at this time no H2S monitoring is proposed for this well.

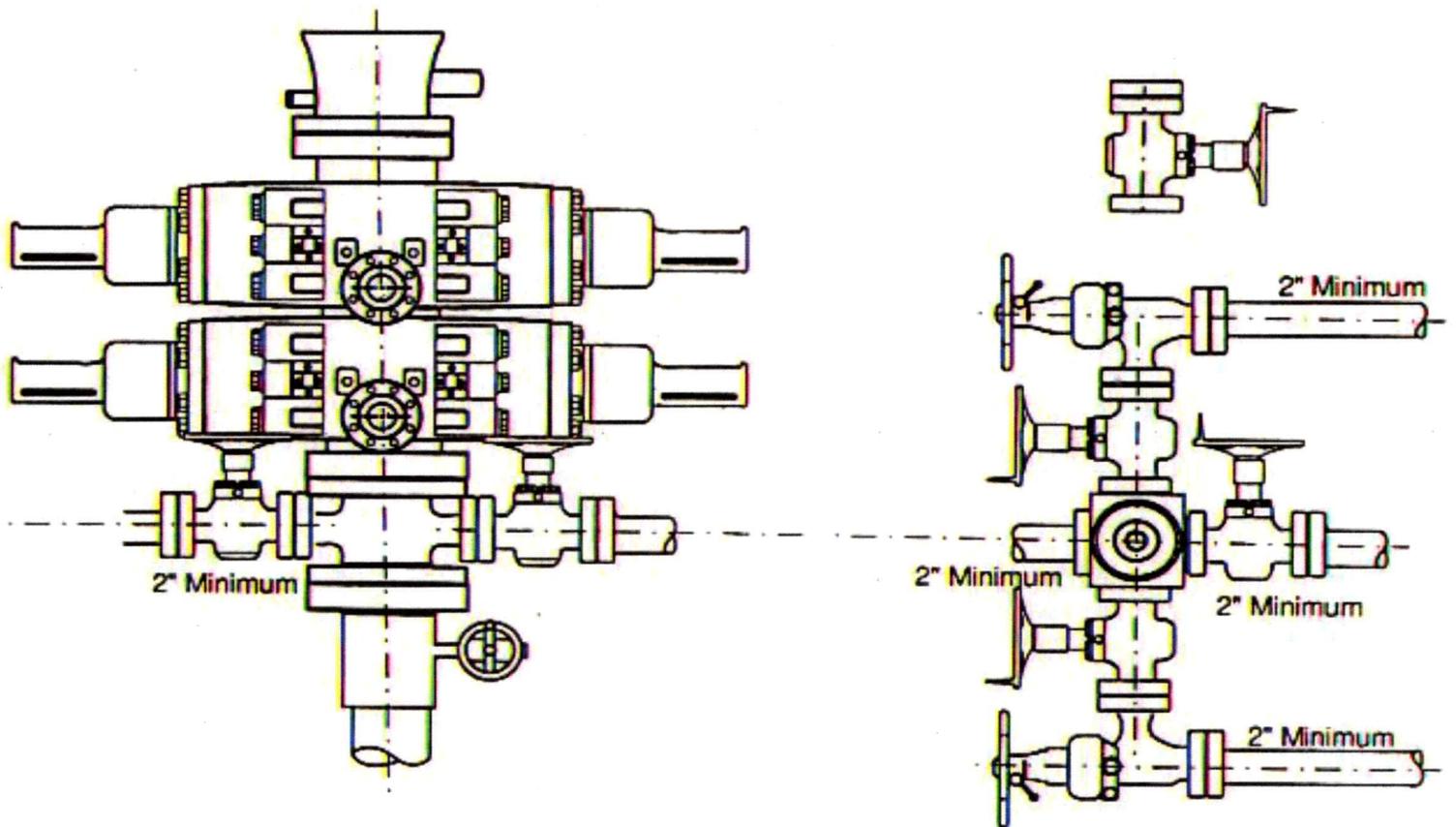
**9. Other Information**

a. Drilling Schedule

Activity	Date
Location Construction	October 2019
Spud	October 2019
Total Duration	14 days drilling time
	10 days completion time

**BOP DIAGRAM**

**2000 psi System**



Re: NOTICE OF FORM C-108 APPLICATION )  
AUTHORIZATION TO INJECT ) SS  
NORTH ALAMITO WDW 1 )  
SAN JUAN COUNTY, NEW MEXICO )

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AFFIDAVIT OF MAILING

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STATE OF COLORADO )  
CITY & COUNTY OF DENVER ) ss

Mona L. Binion, Land Negotiator for DJR Operating, LLC ("DJR") does hereby certify that on August 19, 2019, she transmitted the attached notice of the captioned matter by certified mail, return receipt requested, to those parties listed on the Notice List attached.

FURTHER AFFIANT SAYETH NOT

*Mona L. Binion*

\_\_\_\_\_  
Mona L. Binion  
DJR Operating, LLC  
1600 Broadway, Suite 1960  
Denver, CO 80202

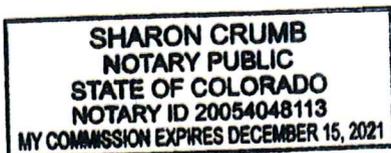
Subscribed and sworn to before me this 19th day of August, 2019 by Mona L. Binion.

Witness my hand and official seal.

My Commission Expires:

*12.15.2021*

*Sharon Crumb*  
\_\_\_\_\_  
Notary Public for State of Colorado



**NORTH ALAMITO UNIT WDW #1**  
NOTICE OF APPLICATION  
FORM C-108 FOR AUTHORIZATION TO INJECT  
AFFIDAVIT OF MAILING

**SURFACE OWNER UNDER WDW LOCATION**

USA  
Bureau of Land Management  
301 Dinosaur Trail  
Santa Fe, NM 87508

Bureau of Land Management  
6251 College Blvd., Suite A  
Farmington, NM 87402  
Attention: Joe Kilins

**LEASEHOLD OWNERS WITHIN ONE-HALF MILE RADIUS OF WDW LOCATION**

Dugan Production Corp.  
P. O. Box 420  
Farmington, NM 87499  
Attention: Ramon Hancock

Enduring Resources IV, LLC  
511 16<sup>th</sup> Street, Suite 700  
Denver, CO 80202  
Attention: Paul Brooke

DJR ENERGY  
1600 BROADWAY STE 1960  
DENVER CO 80202-4955

US POSTAGE AND FEES PAID  
FIRST-CLASS  
Aug 19 2019  
Mailed from ZIP 80202  
7 oz First-Class Mail Flats Rate



071S00777793

**USPS CERTIFIED MAIL**



**9407 1108 9876 5041 7496 64**

USA  
BUREAU OF LAND MANAGEMENT  
301 DINOSAUR TRL  
SANTA FE NM 87508-1560



DJR ENERGY  
1600 BROADWAY STE 1960  
DENVER CO 80202-4955

US POSTAGE AND FEES PAID  
FIRST-CLASS  
Aug 19 2019  
Mailed from ZIP 80202  
7 oz First-Class Mail Flats Rate



071S00777793

**USPS CERTIFIED MAIL**



**9407 1108 9876 5041 7500 35**

ENDURING RESOURCES  
PAUL BROOKE  
511 16TH ST STE 700  
DENVER CO 80202-4248



DJR ENERGY  
1600 BROADWAY STE 1960  
DENVER CO 80202-4955

US POSTAGE AND FEES PAID  
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071S0077793

**USPS CERTIFIED MAIL**



**9407 1108 9876 5041 7499 30**

DUGAN PRODUCTION CORP.  
RAMON HANCOCK  
PO BOX 420  
FARMINGTON NM 87499-0420



DJR ENERGY  
1600 BROADWAY STE 1960  
DENVER CO 80202-4955

US POSTAGE AND FEES PAID  
FIRST-CLASS  
Aug 19 2019  
Mailed from ZIP 80202  
7 oz First-Class Mail Flats Rate



071S0077793

**USPS CERTIFIED MAIL**



**9407 1108 9876 5041 7497 87**

BUREAU OF LAND MANAGEMENT  
JOE KILINS  
6251 COLLEGE BLVD STE A  
FARMINGTON NM 87402-1738



## McMillan, Michael, EMNRD

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**From:** Ningning Li <nli@djrlc.com>  
**Sent:** Friday, August 23, 2019 4:03 PM  
**To:** McMillan, Michael, EMNRD  
**Cc:** Shaw Ford; Ryland Hutchins  
**Subject:** [EXT] affidavit of publication for North Alamito Unit  
**Attachments:** Affidavits of Publication.pdf

Michael,

Thank you so much for calling today and letting us know that you were missing these! I have attached the North Alamito WDW #1 Affidavit of Publication for your records.

Sincerely,

Ningning Li  
303.726.0949

### Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

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AFFIDAVIT OF PUBLICATION

Ad No. 0001293746

ANIMAS PROPERTY LAW P.C. 858 MAIN, SUITE 204 DURANGO CO 81301

DJR Operating, LLC, 1600 Broadway, Suite 1960, Denver, CO 80202 is making application for administrative approval to dispose of produced and flow-back water by underground injection. Contact person is Ningning Li, Phone 303-407-7390. The proposed disposal site is North Alamito WDW #1, located 908' FNL & 1176' FEL, Sec 1 T22N R8W, San Juan Co NM. Water will be injected into the Entrada Sandstone between the depths of approximately 6875' to 7070' below the surface. Maximum anticipated injection pressure is 1300 psi. Maximum injection rate will be 6000 barrels of water per day. Any interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, NM 87505 within 15 days of the date of this publication.

I, being duly sworn say: THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the State of New Mexico for publication and appeared in the internet at The Daily Times web site on the following days(s):

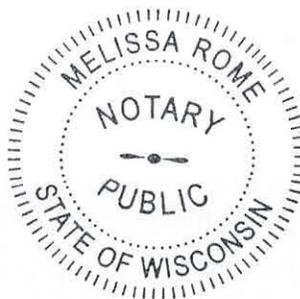
08/13/19

Legal No. 1293746 published in The Daily Times on August 13, 2019.

[Signature] Legal Clerk

Subscribed and sworn before me this 13th of August 2019.

[Signature] State of WI, County of Brown NOTARY PUBLIC



1-12-2021 My Commission Expires