

### HRC, Inc.

P.O. Box 1606 Hobbs, NM 88241-6056 (575) 393-6662 (575) 393-6662 Fax

February 24, 2021

Jim Griswold Senior Hydrologist ENMRD/Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

Ref: 2020 Annual Report

B-31 Schubert 7 - Well #1

Dear Mr. Griswold.

Attached please find the Annual Report of Operations for the Hobbs Facility for the year of 2020. Please review and report back any questions or comments.

Thank you.

Sincerely.

Gary M. Schubert

GMS/br

Attachments

# ANNUAL CLASS III WELL REPORT H.R.C., INC.

YEARLY REPORT (BW-031)

API 30-025-36781

February 25, 2020

DAVID ALVARADO

(ACTING AGENT FOR H.R.C., INC.)

#### 20.6.2.3107 NMAC MONITORING, REPORTING, AND OTHER REQUIERMENTS

#### **SUMMARY OF CLASS III OPERATIONS 2019**

Schubert 7 Well # 1 was impacted by the Pandemic outbreak of 2020 where the historical yearly total was 46.72% less than 2019 a decrease of 151,772 bbl. No leaks occurred nor did the fresh water freeze all meters and valves were and still are in good working conditions.

A preventive maintenance scheduled plan is in place to replace any connections or valves showing wear. This will continue as a safe operating condition and it will continue in 2021. Connections are changed out when the first sign of salt is seen behind the threaded end.

During 2020 the transfer pump that transports brine to the sales tanks had the mechanical seals replaced in the month of June due to the abrasion of the 9.98 PPG brine. In replacing the seals fresh water was used to clean out the lines and valves were shut in allowing the connecting unions to be broken to prevent any impact to the ground within the pump shop where the pump resides.

Daily inspections of all lines and connections are visually looked at during a walk around of the facility tanks. All lines are each walked and visually inspected that lead to the pump house. Readings on pressure gauges are recorded with the reading of the brine output meter and the injection of fresh water also are recorded on the day to month logs. Safety shut off mechanisms are tested to insure if high or low pressures were to occur all systems would shut down.

A total of 133,110 bbl. brine was extracted and weighed at an average of 9.89 PPG.

H.R.C., Inc. plans on replacing the triplex pump with a VFD pump in doing so, the pump will run with a smoother injection rate without the harmonics that the triplex pump emits.

H.R.C., Inc. at the end of the year elected to proceed with the workover that was approved by District I and Santa Fe Intent C-103 on file. H.R.C., Inc. followed the States DOH and Federal CDC requirement guidelines for the H.R.C., Inc. team this included office personal. Subcontractors that worked on the location followed their own protocol guidelines to create a safe environment.

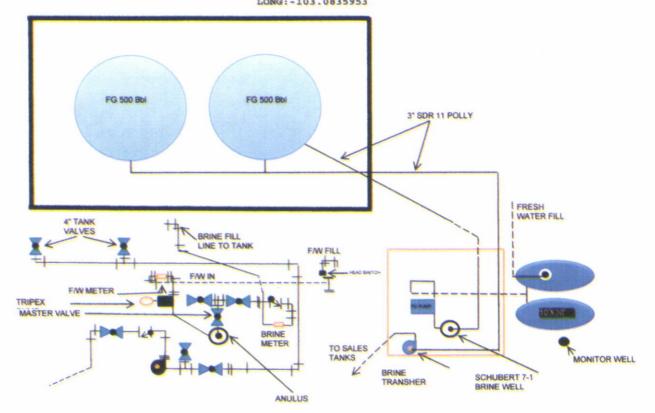
After the removal of lines and the electrical system disconnect at the power transformers rendering zero power status the building was skidded backward to receive the service unit rig. A  $4\,\%$ " liner was placed 100 foot below the top of the Salado formation as per the request of OCD Santa Fe.

MIT was conducted on the liner showing good continuity. The wellbore was extended downward into the Salado formation with the bottom hole assembly point set at 2609' starting a new Halite mining cavern below the old cavern of 2412' and the bottom of the new hole at 2649' adding 237' of net pay to mine.

H.R.C., Inc. has included in this report the C-103 Subsequent Report, MIT Chart with Meter Certification, C-103 Subsequent Bradenhead Report and the C-105 Report for the liner set and new OH bore depth with wellbore schematic for your viewing all of the above has been sent for approval.

Please find on page 4 a schematic of the facility operations of equipment on the BW-31

H.R.C., INC SHUBERT 7 WELL No. 1 NW/4,SE/4-SEC.7-T19S-R39E LEA COUNTY, NM API 30-025-36781 LAT:32.6738815 LONG:-103.0835953



#### 2020 FLUID BRINE PRODUCTION & INJECTION VOLUME

MONTH	BRIINE	FRESH WATER	
JANUARY	10,966	10,719	
FEBRUARY	28,034	27,840	
MARCH	24,919	24,764	
APRIL	11,426	11,319	
MAY	3,492	3,435	
JUNE	13,257	13,140	
JULY	7,624	7,526	
AUGUST	7,645	7,538	
SEPTEMBER	8,933	8,795	
OCTOBER	5,349	5,286	
NOVEMBER	7,213	7,086	
DECEMBER	4,252	4,196	
YEAR TOTAL	133,110	131,644	

#### **HISTORICAL YEARLY TOTALS BRINE & FRESH**

TOTAL	4,199,125	4,223,906	
2020	133,110	131,644	
2019	284,882	278,960	
2018	241,010	238,627	
2017	303,502	282,445	
2016	283,741	276,593	
2015	291,205	289,656	
2014	310,568	316,007	
2013	304,136	306,265	
2012	435,040	442,427	
2011	396,278	408,437	
2010	341,134	350,887	
2009	212,779	226058	
2008	305,990	316,100	
2007	312,800	315,000	
2006	42,950	44,800	
YEAR	BRINE	FRESH	

#### Semi-Annual Monitor Well Analytical Data Results

Monitor well for the BW-31 for 2019 is on record with OCD, Cardinal Laboratories performed and sampled water from the monitor well on December 20, 2019 for your review.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)

Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Please find the Table below comparison of the June, 2020 sample and December, 2020 sample for Inorganic Compounds and Total Recovery Metals by ICP (E200.7) full detail of the Analytical results are attached at the end of this report for your viewing.

Analyte	Result	MDL	Reporting	Units	Analyzed	Method
			Limit		Date	

#### F/W MONITOR INORGANIC COMPOUNDS JUNE 2020

Alkalinity, Bicarbonate	215	5.0	mg/L	6-05-20	310.1
Alkalinity	210	3.0	1118/ 2	0 03 20	310.1
Carbonate	<1.00	1.00	mg/L	6-05-20	310.1
Chloride	56.0	4.0	mg/L	6-05-20	4500-C1-B
Conductivity	651	1.00	uS/cm	6-05-20	120.1
рН	7.86	0.100	pH Units	6-05-20	150.1
Sulfate	64.8	10.0	mg/L	6-11-20	375.4

TDS	433	5.0	mg/L	6-08-20	160.1
Alkalinity Total	176	4.00	mg/L	6-05-20	310.1

#### TOTAL RECOVERABLE METALS by ICP (E220.7)

#### Continued Report for June 2020

Analyte	Result	MDL	Reporting Limit	Units	Analyzed Date	Method
Coloima	4.7		0.500	-	6.40.00	5042007
Calcium	47		0.500	mg/L	6-10-20	EPA200.7
Magnesium	15.1		0.500	mg/L	6-10-20	EPA200.7
Potassium	2.26	0.758	5.00	mg/L	6-10-20	EPA200.7
Sodium	63.8		5.00	mg/L	6-10-20	EPA200.7

#### **FW MONITOR DECEMBER 2020**

Analyte	Result	MDL	Reporting	Units	Analyzed	Method
			Limit		Date	

#### **INORGANIC COMPOUNDS**

Alkalinity, Bicarbonate	210	5.0	mg/L	12-07-20	310.1
Alkalinity			- Gi		
Carbonate	<1.00	1.00	mg/L	12-07-20	310.1
Chloride	60.0	4.0	mg/L	12-07-20	4500-C1-B
Conductivity	651	1.00	uS/cm	12-07-20	120.1
рН	7.76	0.100	pH Units	12-07-20	150.1
Sulfate	60.1	10.0	mg/L	12-10-20	375.4
TDS	262	5.00	mg/L	12-11-20	160.1
Alkalinity					
Total	172	4.0	mg/L	12-07-20	310.1

#### F/W MONITOR TOTAL RECOVERABLE METALS by ICP (E220.7)

Calcium	50.0	0.500	mg/L	12-11-20	EPA200.7
Magnesium	16.0	0.500	mg/L	12-11-20	EPA200.7

H.R.C., Inc.

Potassium	2.20	0.758	5.00	mg/L	12-11-20	EPA200.7
Sodium	54.9		5.0	mg/L	12-11-20	EPA200.7

TDS comparison from June 2020 to December 2020 the Quality of the Monitor water has improved showing a total of 61.93% reduction in December with a PH level of 7.76 pH units. Total Recoverable Metals from the June and December testing shows 3PPM increase of Calcium in December with a slight reduction of 8.9 PPM of Sodium overall water is within the EPA standards.

#### **INJECTION PRESSURE**

Injection pressure still runs the same the annulus average is 200 PSIG and the tubing average is at 25 PSIG. The lease operator checks the pressure daily and records it on his daily logs.

#### PIPE LINE HYDROSTATIC TEST RESULTS

Lines that lead to the storage tanks from the wellhead have a hydrostatic pressure of 8.3 pounds of pressure at the base of the line at the fill tank when idle. The operating static pressure average is 17 psi respectively. The operating pressure is at around 25 psig. Discharge line is of 4" SDR 11 with a max operating pressure of 160 PSI.

Brine Water transfer line from storage tanks at the Schubert 7 well # 1 facility to the sales point at the ANITZ sales facility located 0.8 miles east of WHY 18 on Nadine Rd. (P-26-19S-38E) is constructed of 4" SDR 11 Polyethylene Line with a max pressure of 160 psi the line enters into the west 16' tank holding tank at the top and has a hydrostatic pressure at the base of the line of 8.3 pounds of pressure at the base of the line. In operation transferring fluid from the BW-31 it takes 140 pounds to move 175 GPM through the 4" line. The line is tested periodically by closing the valve at the sales holding tank and line is then pressured at the transfer pump to 150 psi and held for 15 min with the valve closed at the pump. Line has shown no leaks showing good continuity.

#### **Visual Leak Inspections Monitoring**

H.R.C., Inc. Operation personnel walks each line that is above ground and inspects all connecting points for any sign of leaks or sweating of threads on connections daily.

The Lease Operator drives out the lines that are underground and below frost level for any signs of compromised line integrity. This is done up to twice a day.

#### **Quarterly Chemical Analyses**

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Total Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)

Method EPA 524.2

Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2

Total Haloacetic Acids (HAA-5)

Depicted below is Cardinals Analytical Results for Brine and Fresh water at the BW-31.

With this reports is attached the Cardinals results for your viewing.

#### **BRINE ANALYTICAL RESULTS: JUNE 2020**

Analyte	Result	MDL	Reporting	Units	Analyzed	Method
			Limit		Date	

Alkalinity,					
Bicarbonate	83.0	5.0	mg/L	6-05-20	310.1
Alkalinity					
Carbonate	<1.00	1.00	mg/L	6-05-20	310.1

Chloride	194,000	4.00	mg/L	6-05-20	4500-C1-B
Conductivity	276,000	1.00	uS/cm	6-05-20	120.1
рН	6.99	0.100	pH Units	6-05-20	150.1
Sulfate	4,010	1250	mg/L	6-11-20	375.4
TDS	323,000	5.00	mg/L	6-08-20	160.1
Alkalinity					
Total	68.00	4.0	mg/L	6-05-20	310.1

#### TOTAL RECOVERABLE METALS by ICP (E220.7)

#### Continued Brine Report for June 2020

Analyte	Result	MDL	Reporting Limit	Units	Analyzed Date	Method
÷						
Calcium	1360		50.0	mg/L	6-10-20	EPA200.7
Magnesium	384		50.0	mg/L	6-10-20	EPA200.7
Potassium	102	75.8	500	mg/L	6-10-20	EPA200.7
Sodium	113000		500	mg/L	6-10-20	EPA200.7

#### **BRINE ANALYTICAL RESULTS: DECEMBER 2020**

Analyte	Result	MDL	Reporting	Units	Analyzed	Method
			Limit		Date	

Alkalinity,					
Bicarbonate	83.0	5.0	mg/L	12-07-20	310.1
Alkalinity	-1.00	1.00		12.07.20	240.4
Carbonate	<1.00	 1.00	mg/L	12-07-20	310.1
Chloride	188,000	4.00	mg/L	12-07-20	4500-C1-B
Conductivity	277,000	1.00	uS/cm	12-07-20	120.1
рН	7.02	0.100	pH Units	12-07-20	150.1
Sulfate	3,830	833	mg/L	12-10-20	375.4
TDS	318,000	5.00	mg/L	12-11-20	160.1

Alkalinity					
Total	68.0	4.0	mg/L	12-07-20	310.1

#### **TOTAL RECOVERABLE METALS by ICP (E220.7)**

Continued Brine Report for December 2020

Analyte	Result	MDL	Reporting Limit	Units	Analyzed Date	Method
Calcium	1,300		50.0	mg/L	12-11-20	EPA200.7
Magnesium	504		50.0	mg/L	12-11-20	EPA200.7
Potassium	153	75.8	500	mg/L	12-11-20	EPA200.7
Sodium	110,000		500	mg/L	12-11-20	EPA200.7

#### FRESH WATER ANALYTICAL RESULTS: JUNE 2020

Analyte	Result	MDL	Reporting	Units	Analyzed	Method
			Limit		Date	

Alkalinity,					
Bicarbonate	293	5.00	mg/L	6-05-20	310.1
Alkalinity					
Carbonate	<1.00	1.00	mg/L	6-05-20	310.1
Chloride	288	4.00	mg/L	6-05-20	4500-C1-B
Conductivity	1730	1.00	uS/cm	6-05-20	120.1
рН	7.68	.100	pH Units	6-05-20	150.1

Sulfate	205	205	mg/L	6-11-20	375.4
TDS	1,080	1080	mg/L	6-08-20	160.1
Alkalinity					
Total	240	240	mg/L	6-05-20	310.1

#### TOTAL RECOVERABLE METALS by ICP (E220.7)

#### Continued F/W Report for June 2020

Analyte	Result	MDL	Reporting Limit	Units	Analyzed Date	Method
Calcium	133		0.500	mg/L	6-10-20	EPA200.7
Magnesium	32.3		0.500	mg/L	6-10-20	EPA200.7
Potassium	14.7	0.758	5.00	mg/L	6-10-20	EPA200.7
Sodium	162		5.00	mg/L	6-10-20	EPA200.7

#### FRESH WATER ANALYTICAL RESULTS: DECEMBER 2020

Analyte	Result	MDL	Reporting	Units	Analyzed	Method
			Limit		Date	

Alkalinity,					
Bicarbonate	224	5.00	mg/L	12-07-20	310.1
Alkalinity					
Carbonate	<1.00	1.00	mg/L	12-07-20	310.1
Chloride	244	4.00	mg/L	12-07-20	4500-C1-B
Conductivity	1,620	1.00	uS/cm	12-07-20	120.1
рН	7.87	0.100	pH Units	12-07-20	150.1

Sulfate	242	50.0	mg/L	12-10-20	375.4
TDS	978	5.00	mg/L	12-11-20	160.1
Alkalinity Total	184	4.00	mg/L	12-07-20	310.1

#### TOTAL RECOVERABLE METALS by ICP (E220.7)

#### Continued F/W Report for December 2020

Analyte	Result	MDL	Reporting Limit	Units	Analyzed Date	Method
Calcium	134		0.500	mg/L	12-11-20	EPA200.7
Magnesium	36.7		0.500	mg/L	12-11-20	EPA200.7
Potassium	3.89	0.758	5.00	mg/L	12-11-20	EPA200.7
Sodium	120		5.00	mg/L	12-11-20	EPA200.7

#### MECHANICAL INTEGRITY TEST CHART

On December 14, 2020 H.R.C., Inc. implemented their workover plan on the Schubert 7 Well No. 1 where a  $4\,\%$ " 11.35# J-55 liner was set into the  $5\,\%$  Intermediate and  $8\,5/8$ " Surface casing. The anchor point of the  $4\,\%$ " was set at 1993'. This was done to extend the production casing 100' below the top of the Salado formation as per the request of OCD Santa Fe. A C-103 Intent was filed and received approval of both OCD District 1 and OCD Santa Fe.

H.R.C., Inc. delayed the work in 2019 because of pipe availability at the time. With the World Pandemic unfolding in the beginning of 2020 H.R.C., Inc. waited to do this work. H.R.C., Inc. did not want to expose risk to those that were going to be on location and also to H.R.C., Inc. Personal.

With the guidelines given from CDC and the NM DOH as to how to protect and establish safe environment procedures for all to follow H.R.C., Inc. initiated the plan frontward with the workover. After the liner was set H.R.C., Inc. elected to deepen the well bore into the new horizons of Halite below the existing cavern to a depth of 2,649' and set the tubing point at 2,609'.

An MIT was conducted on 12/18/20 where the 4 ½" casing was pressured up to 730 PSI and a Chart was run for 40 min. Please find below the C-103 Subsequent report on pages 17,18 and 19, Casing MIT on page 20, Recorder Certification on page 21 and the wellbore diagram on page 22 the MIT was witnessed by Gary Schubert and was in communication with OCD Kerry Fortner.

District I Kerry Fortner requested that a Bradenhead test be done so, on January 4, 2021 H.R.C., Inc. recorded the test where it was witnessed by Ben Donahue and David Aaron please find on page 23 C-103 Subsequent Bradenhead Report and Bradenhead Test done at the Schubert 7 Well No. 1 on page 24. It was approved by Mr. Fortner and is on record. A C-105 Subsequent of the work done to the wellbore and liner was made it can be viewed on pages 25, 26, 27 and 28. All of the above were sent via OCDs paperless program for record and approval.

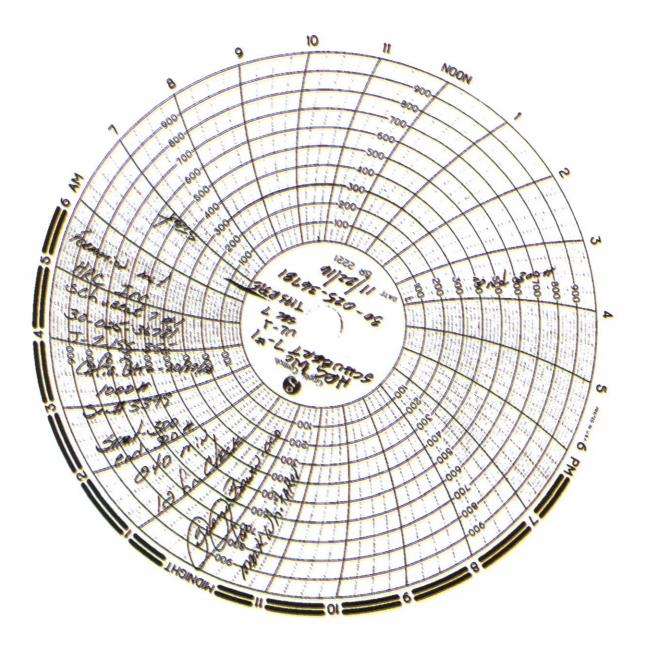
A formation mechanical test was performed on 11/20/16 on the BW-31. Formation Salado was pressured up to 300 psi and was witnessed the chart recorder was started by Mark Whitaker at 8:15 AM for a duration of 4 hours test ended at 12:15PM where the casing valve was closed in it was witnessed by George Bowen. Formation Salado held 300 psi for the duration of the test.

Recorder was removed and well was bled back to tanks. Nipple up connections and placed the well back into operation producing brine at 200 psi. Please find the subsequent report C-103 and the Chart below for your viewing.

Next formation integrity test will be November 2021.

Submit I Copy To Appropriate District Office	State of New Mexico			orm C-103
District ) = (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Natural Reso	WELL API		2013
District II = (\$75) 748-1283 811 S. First St., Artesia, NM 888 10	OIL CONSERVATION DIVIS	ION 30-025-	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	
District III = (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr.		Type of Lease TE FEE	50
District IV - (505) 476-3460	Santa Fe, NM 87505	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAME	& Gas Lease No.	
1220 S. St. Francis Dr., Santa R., NM				
UND NOT USE THIS FORM HOR WOOD	TICES AND REPORTS ON WELLS OSALS TO DRILL OR TO DEEPEN ON PLUG BACK	7. Lease N	ame or Unit Agreen	nent Name
DIFFERENT RESERVOIR USE "APPL	ICATION FOR PERMIT" (FORM C-101) FOR SUCH	. 50	HUBERT	7
PROPOSALS.)  I. Type of Well: Oil Well	Gas Well X Other (Brine Supply)	8. Well Nu	mber 1	
2. Name of Operator	The state of the s	9. OGRID	Number	Marie Control of Control
H.R.C., Inc.		131652		
3. Address of Operator P. O. Box 5102, Hobbs, NM 8	8241	10. Pool na	ame or Wildcat	
4. Well Location	20, 11	83 111	HILLO	
The state of the s	2313feet from the South line	and 2313 feet fi	rom the East	line
Section 7	Township 19S Range		County Lea	
	11. Elevation (Show whether DR, RKB, R	f. GR, etc.)		
	3585 GL		THE REAL PROPERTY.	
13 Chaok	Appropriate Box to Indicate Nature of	Nation Report or (	Other Data	
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CLOSED-LOOP SYSTEM				
OTHER: MIT TE	pleted operations. (Clearly state all pertinent	details and also need to	TEST	antimated data
of starting any proposed v	work). SEE RULE 19.15.7.14 NMAC. For M	ultiple Completions: A	ttach wellbore dian	ram of
proposed completion or re		and the semination of	mani members and	ann er
11/20/16	PRESSURE FORMATION TO	300 PSI-	- SHUT IN	8 P.M.
11/21/16	SHUT IN		TO CHAR	T
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7:00	M - PRODUCE BRINE & :	eco PSI		
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Type or print name _ Gary M.	Schubert E-mail address: garymschubert@	amail cam BLONE	\$35,303 3104	
For State Use Only	Seminary Samuel Registration of the Samuel Colours	Busin FRONE	575-393-3194	
4		5		
Conditions of Approval (if any):	TITLE Sariar Eng	DA'	TE 12/1/201	6

#### MIT BW-31 CHART 11-20-16



Submit 1 Copy To Appropriate District Office Sta	te of New Mexico	Form C-103		
District 1 - (575) 393-6161 Energy, Mir	erals and Natural Resources	Revised July 18, 2013		
1625 N. French Dr. Hobbs, NM 88240 District II - (575) 748-1283		WELL API NO. 30-025-36781		
811 S. First St., Artesia, NM 88210 OIL CONS	sia, NM 88210 OIL CONSERVATION DIVISION			
District III = (505) 334-6178 1000 Rio Brazos Rd. Aziec, NM 87410	South St. Francis Dr.	5. Indicate Type of Lease STATE FEE		
District IV - (505) 476-3460 Sai	nta Fe, NM 87505	6. State Oil & Gas Lease No.		
1220 S. St. Francis Dr., Santa Fc, NM 87505				
SUNDRY NOTICES AND REPOR	TS ON WELLS	7. Lease Name or Unit Agreement Name		
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR T	O DEEPEN OR PLUG BACK TO A	of ether same we want specifical same		
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT PROPOSALS.)	*(FORM C-101) FOR SUCH	Shubert 7		
The state of the s	er Brine	8. Well Number 1 BW-031		
2. Name of Operator		9. OGRID Number		
H.R.C., INC.  3. Address of Operator		131652 10. Pool name or Wildcat		
P.O. Box 5102 Hobbs, New A	texico	BSW - Salado		
4. Well Location		1550 11 - 54111111		
The street execution	e South line and 2313	feet from the East line		
Section 7 Towns		9E NMPM Lea County		
The state of the s	ow whether DR, RKB, RT. GR, etc.			
11. De tator ion	3585 GL			
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12. Check Appropriate Box	to Indicate Nature of Notice.	Report or Other Data		
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NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK PLUG AND ABAI		SEQUENT REPORT OF:		
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PULL OR ALTER CASING MULTIPLE COM		The state of the s		
DOWNHOLE COMMINGLE	CASING/CEMEN	11 308		
CLOSED-LOOP SYSTEM				
OTHER	OTHER: Re set	tubing depth deeper		
12. D. 2.				
<ol> <li>Describe proposed or completed operations. (0 of starting any proposed work). SEE RULE 19</li> </ol>				
proposed completion or recompletion.	213.7.14 NAVAC. FOR Muniple Co	imprenois. Attach wendore diagram of		
entering to recommend				
Please see the attached report with this C- 103	of work completed on the Sh	ubert 7 Well # 1 BW-031.		
Please find with this report the MIT chart that	was conducted on 12/18/2020	0		
Spud Date:	Rig Release Date:			
I hereby certify that the information above is true and co	omplete to the best of my knowledge	ge and belief.		
SIGNATURE Basid of Alexande TITLE	Acting Agent for HRC INC	DATE 2/5/2021		
11166	The state of the s	W. V. W. W.		
Type or print name David H. Alvarado E-mail	address: davidal00136/a/gmail.co	PHONE: 575 513 1238		
For State Use Only	The state of the s			
ABBROVED DV				
APPROVED BY:  Conditions of Approval (if any):	TITLE	DATE		
Conditions of Approval (II any):				

#### **C-103 SUBSEQUENT REPORT**

#### SHUBERT 7 WELL No. 1

#### API 30-025-36781 BW-031

12/14/2020 Performed JSA's, MI & RU workover unit and drilling reverse unit, ND wellhead tree and lift on 2 7/8 J-55 tbg. to 20K tbg. stuck worked tbg. to 30K tbg. started moving, removed tbg. hanger. NU BOP prepare for tubing extraction lay down total 71- 2 7/8 J 55 jts. and one parted jt. 23 foot long. Left in hole 8 foot of 2 7/8 J-55, bit sub w/ 4 ¾" bit. Tallied extracted pipe @ 2307" left in hole from 2307"-2312' closed BOP SDFN

12/15/2020 MI 86 jts. 2 3/8" EUE 4.7# J-55 tbg. and 50 jts. 4 %" 11.35 # J-55 Csg. w/ID 4".
RIH w/new 4 %" skirted Varel cone bit w/ bit sub and 6- 3 %" OD d/c's on top of bit sub.
RIH w/tbg. tag top of fish @ 1820' rolled of top of fish continue to RIH to 1826' RU Swivel rotate from 1826' to 1844' continued to drill and wash out bore to 1985', pulled bit up into 8 5/8 csg.
To 1702 shut in BOP SDFN

12/16/2020 Open up BOP continued to RIH with Bit, Bit sub, D/C and tubing rolling off of TOF @ 1856' continued to drill and wash 1985' to 2020' hard drilling from 2020'-2034' fall out washing to 2044' circulate hole 60 minutes, POH LD 3 %" d/c w/BHA shut in BOP SDFN

12/17/2020 Open BOP installed 4 ½ rams MI Lewis Casing Crew, P/U 1- 4 1/2 muleshoed jt., TIH with 47 jts. 4 /12" 11.35# J-55 LTC casing total 48 joints landed casing w/ 4 ½ " X 3.85' LTC Pin X 4 ½" LTC Box 11.35# J-55 in Box liner w/22k string weight. Casing well head hanger(double grove O ring seal) tighten hanger retaining pins. 4 ½" 11.35# Liner Casing set at 1993' closed well in. SDFN

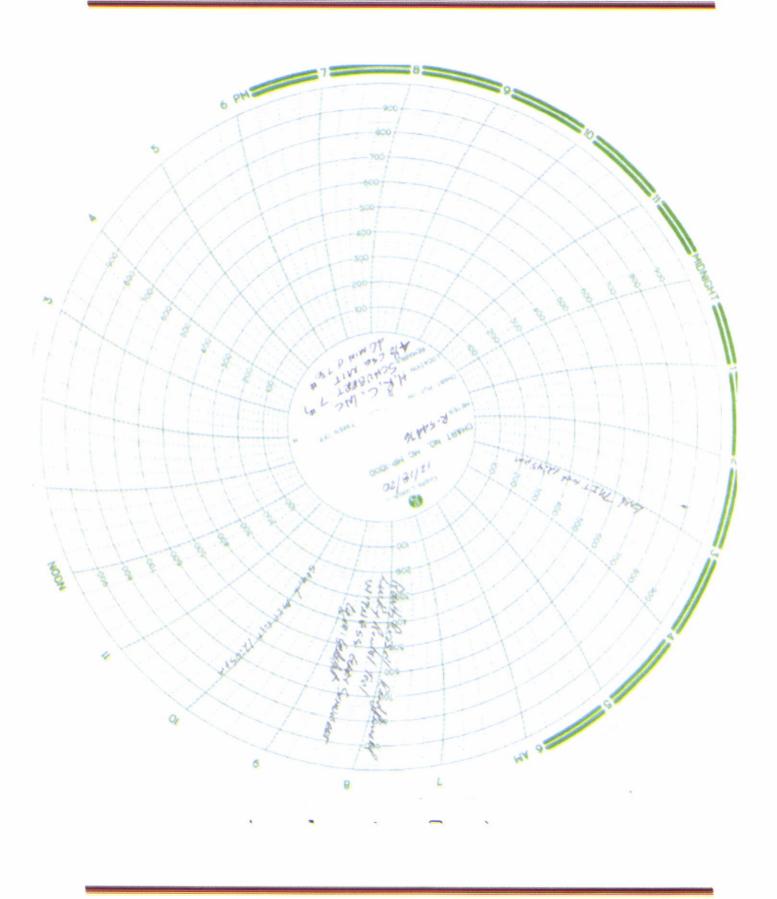
12/18/2020 Open well and BOP removed landing sub R/D Lewis Casing Crew. N/D BOP installed 7 1/16" 3M x 7 1/16" 3M tbg. spool w/ 6 3/8" bore TC Profile with 2" API pipe outlets, installed to 5 %" csg. Wellhead section 7 1/16" 3M flange top over 4 %" csg. hanger. Tested wellhead for 10 minutes @ 2200 psi no leak off, NU BOP & installed 2 3/8" rams. RIH w/ AD1 Pkr. Set @ 1960', tested 4 %" annulus to 730 Psi for 40 minutes tested good no leak off. TOH with AD1 Pkr. RIH with new 3 7/8" skirted mill tooth bit, 2 3/8"eubx X 2 3/8" rgbx bit sub below 2 3/8" J-55 tbg. tag @2048' Pulled bit up into 4 %" casing at 1864 closed well in and BOP SDFN.

12/19/2020 Open well RIH with Bit to 2048' drilled to 2051', fell out ran to 2074' drill from 2074 – 2076 ran to 2079' continued drilling 2079' – 2081' ran to to 2102', continued drilling from 2102' -2105' fell out continued washing to 2163' got stuck, worked pipe free, could not return back to 2163' Pipe stacking out after lifting. Re moved swivel POH w/ tbg. Tubing was

bent on joint number two above bit sub, and sheared cut on jt. # 1 above bit sub and bit left 1-16' 2 3/8" tbg. piece and a bit sub w/ 3 7/8" bit in hole. 18'fish est. depth of TOF #2 @2145'-2163" shut in SDFN.

12/21/20 Open up well P/U & RIH w/ 3.7/8" bear claw bit, bit sub, 4- 3.1/8" OD drill collars, & 2.3/8" tubing to 2012' attached swivel w/ 2.% md connection on top Joint, drilled from 2012'-2014' then ran to drill 2018'-2021' ran to 2025'-2026' then ran to 2162'- 2166' fell out 2182' ran to drill 2188' = 2190' ran to 2194' = 2231' fell out 2231' ran to drill 2231' = 2236' fell out to drll 2240' = 2265' TUH w/ bit into 4.%" casing @ 1865' closed well in SDFN

12/22/2020 Open well up ran bit back to drill 2265' – 2267' fell out and ran to tag 2649' pulled bit to land @2609' RD swivel, ND stripper head & BOP, install tbg. hanger flange and N/U well head connections pumped on well 6 hrs. shut down & connect to facility surface injection pump, RD rig & reverse unit then released all workover equipment.



## American Valve & Meter, Inc.

### 1113 W. BROADWAY

#### P.O. BOX 166 HOBBS, NM 88240.

Tockweeky Rental

DATE: 12/1/20

This is to certify that:

L Stephen Waskas, Technician for American Valve & Meter Inc. Has checked the calibration of the following instrument.

12" Pressure recorder.

Pressure #

Ser# R-54476

Temperature \*or Pressure \*

at these points.

Test	Found	Left	Test	Found	Left
- 0	•	-0	W <u>.</u>	*	•
- 500	*	- 500	*	•	5
- 700	-	- 700	*	**	*
- 1000	No.	- 1000	*	*	*
- 200	*	- 200	*	*	*
- 0	*	~ <b>0</b>			

Remarks:

Signature: <

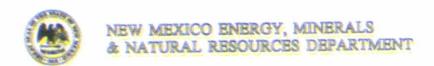
SCHUBERT 7 WELL NO. 1 API 30-025-36781 2313 FSL, 2313 FEL J - SEC 7 - T19S - R39E

LAT: 32.6738815 LONG: -103.0835953



	Litholog	y Record	(C-105)	11) 22) 20				
From	To	Thick / ft						
212'	1151	939'	Redbed				Hung w	ith 3M head
1151'	1455	304'	RB / Shale			TREE	79 jts. 2 3	/8" 4.7# J-55
1455'	1775	320'	Shale					T @ 2609'
1775'	1880	105'	Anhydrite				The state of the s	
1880,	2900'	1020'	Salt, Redbed, Shale		NE	INTER.	5 1/2" 15.5	5# Drift 4.825"
5900,	3130'	230'	Anhy,Salt, Shale		- B			200 sx cir surf
130'	4080'	950'	Anhy., Dolomite					200 37 211 3011
1080,	4430'	350'	Dolomite, Anhydrite			SURFACE	8 5/8"	24# ST&C
1430'	7500'	3070'	Dolomite, Limestone			SET AT	The second secon	w/900SX
7500'	7900'	400'	Dolomite					SURFACE
				_				
					4	Liner	4 1/2 " 11.35	# J55 liner Csg.
				7 1 1				@ 1993'
OH HOLE SIZE	77/	8"						rface to 1865
'ates @2930'		2,557'	100sx @ 2947' 390'	_		4	3 1/8" OD X 1 1/ 3 1/8" OD X 1 1 3 1/8" X 1 3/4 Bit 3 7/8" Bear	/2" ID D/C " ID xo Claw Bit
				4	1		T. Anhy	1775'
	PLUG # 3		40sx @ 4089'				T. Salt	1880'
	est. TOC @	3,933'	156'	_			B. Salt	2900'
		2,500	200		1		T. Yates	2930'
				)	)		T. 7 Rivers	3160'
	PLUG # 2		35sx @ 5710	THE REAL PROPERTY.			T. Queen	3710'
	est. TOC @	5,573	137'				T. Grayburg	4080'
		2,010	201				T. San Andres	4396'
				1	1		T. Glorieta	5715'
							T. Paddock	5858'
	PLUG # 1		30sx @ 7900'				T. Blinebry	6260'
	est. TOC @	7,783	117'	TD 790	O'		T. Tubb	6820'
	55tt 186 @	16169	227	15 130			T. Drinkard	7050'
							T. Abo	7464'
							1. A00	7404

ЦΒ	Cinc
Submit 1 Copy To Appropriate District State of New	Mexico Form C-103
Office District 1 - (575) 393-6161 Energy, Minerals and	
1625 N. French Dr., Hobbs, NM 88240	WELL API NO.
District II - (575) 748-1283 811 S. First St., Artesia, NM 88210 OIL CONSERVAT	ION DIVISION 30-025-36781
District III - (505) 334-6178 1220 South St.	Francis Dr. 5. Indicate Type of Lease STATE FEE
1000 Rio Brazos Rd., Aztec. NM 87410 District IV - (503) 476-3460 Santa Fe, NP	
1220 S. St. Francis Dr., Santa Fe, NM 87505	W. State Of the Class Feature (1)
SUNDRY NOTICES AND REPORTS ON WI	ELLS 7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OF DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-1)	
PROPOSALS.)  1. Type of Well: Oil Well Gas Well Other Brine	8. Well Number 1 BW-31
2. Name of Operator	9. OGRID Number 131652
H.R.C., INC.  3. Address of Operator	10. Pool name or Wildcat
P.O. Box 5102 Hobbs. New Mexico	BSW - Salado
4. Well Location	
Unit Letter J : 2313 feet from the South	
Section 7 Township 19	
11. Elevation (Show whethe	
538.	5 GL
12. Check Appropriate Box to Indica	te Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO	CURRENT REPORT OF
NOTICE OF INTENTION TO:  PERFORM REMEDIAL WORK PLUG AND ABANDON	SUBSEQUENT REPORT OF:  REMEDIAL WORK ALTERING CASING
TEMPORARILY ABANDON CHANGE PLANS	COMMENCE DRILLING OPNS. PAND A
PULL OR ALTER CASING   MULTIPLE COMPL	CASING/CEMENT JOB
DOWNHOLE COMMINGLE	CHOMOS CEMENT SOC
CLOSED-LOOP SYSTEM	OTHER: Bradenhead Test Report
OTHER:	Striett Stepeniens (estrices)
	e all pertinent details, and give pertinent dates, including estimated date
	MAC. For Multiple Completions: Attach wellbore diagram of
proposed completion or recompletion.	
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	conducted 1/4/2021 as per request of OCD District I Kerr
Fortner.	
Spud Date: Rig Relea	ise Date:
I hereby certify that the information above is true and complete to	the best of my knowledge and belief.
SIGNATURE JOHN & RIVER THE	Acting Agent for H.R.C., INC DATE 2/5/2021
Type or print name David H. Alvarado E-mail address:  For State Use Only	davidal00136@gmail.comPHONE: 575_513_1238
APPROVED BY: TITLE	DATE
Conditions of Approval (if any):	



OIL CONSERVATION DIVISION
ACTEC DISTRICT OFFICE
1906 RIO BRAZOS ROAD
ACTEC NAI 87410
(888) 334-8176 FAIX (888) 334-8170
http://emmrsi.abab.nin.us/cod/District iii/3diatric.htm

#### BRADENHEAD TEST REPORT

(submit 1 copy to above address)

					Companie	Fish in mouse apparease
Date of	Test	1	14/2	021	_ Operato	Hef. C. W.C. API #30-0 25-36781
						Location: Unit J Section 7 Township 195 Range 37 E
						ubing 2 1/2 Intermediate 5 1/2 Casing 4/2 Bradenhead 81/8
OPE	N BR	DENHI	EAD AND	INTER	MEDIATE	TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH
Testing	Del	Bradeni Int.	PRESSUR head Css	INTE	RM Csg	FLOW CHARACTERISTICS BRADENHEAD INTERMEDIATE
TOME 5	0	0	230	0	230	Steady Flow
10 main	0	0	230	0	230	Surges
1.5 min.	0	0	230	0	230	Down to Nothing
20 min						Nothing
25 min.		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)				Gas
30 main		TI DO				Gas & Water
						Water
1f. brash	enheas	1 Dowed	water, che	ck all of	he descript	ions that apply below:
	CLE	AR	FRESH		SALTY_	SULFURBLACK
5 MIN		HUT-IN	PRESSUR	LE.	BRADENI	HEAD O INTERMEDIATE 2.30
	(Por	(Z.				Witness BEN DONAHUE DAVID ASRON
E-mail	GARAN.	ssG	4 ET M	- Cold		(Carried of Carried

Submit To Appropri Two Copies District I 1625 N. French Dr.			The Control of Control of	Energy,	State of Ne Minerals an	Carl Lander	442.51	esources		). WELL	API NO.			orm C-105 April 3, 2017
District II  811 S. First St. Artesia, NM 88210 District III  1000 Rio, Brazos Rd. Aztec, NM 87410 District IV 1220 S. St. Francis Dr. Santa Fe, NM 87505  Santa Fe, NM 87505									Type of Le     STA      State Oil &	ase		36781	IAN	
			DP PF	COMPI	ETION RE			1106						
4 Reason for fill	ng:							COG		5. Lease Name	SHUBI			
C-144 CLOS	UREATT	ACHMEN	F (Fill in	boxes #1 th	rough #9, #15 D	ate Rig Re	leased		/or	6. Well Numb			BW-03	31
7. Type of Comp			_		William Co.				-			10011		
8. Name of Opera		WORKOVI	R D	EEPENING	PLUGBAC	K DIF	FERE	NT RESERV	OIR	9. OGRID	et liner	100 b	below surl	ace csg.
The statement of the passes			H.I	R.C., INC	à.					S. Couplings	131652			
10. Address of Op	erator	P.C	) Box	5102 Ho	bbs. NM 88	241				11. Pool name	or Wildeat BSW		ADO	
12.Location	Unit Ltr	Section	The second second second	ownship	Range	Lot		Feet from t	he	N/S Line	Feet from	the E	/W Line	County
Surface:	J	7		198	39E			2313		SOUTH	2313		EAST	LEA
BH:	<u> </u>													
13. Date Spudded 9-22-04		T.D. Read 10-7-04	hed	15. Date Ri SERVICE 1 12/22/2020	UNIT RELEASE	D.		Date Comp/ /22/2020	leted	(Ready to Prod	uce)		iR, etc.) 35	
18. Total Measure	7900				ick Measured De	pth	20.	. Was Direct	iona	l Survey Made <sup>9</sup> O	21.		lectric and Ot XISTHNG ON	ther Logs Run N FILE
22. Producing Into	erval(s), of t	this complet	tion - To		-2649°							S	ALADO	
23.			·		SING REC	ORD	Ren	ort all str	ring	s set in we	ell)		TECTO	
CASING SIZ	Æ	WEIGHT	LB./FT	CAL	DEPTH SET	Citto	HC	DLE SIZE		CEMENTIN		D	AMOUNT	PULLED
8 5/8"			4#		1865			12 1/4"		900 SX SURF	ACE			
Intermedia	ite	15.	5 #		404			8 5/8"		200 SX SURF				
						_								
												_		
24.	_				ER RECORD				25		UBING R	and the second second second second		
4.5" 11.35#	SURFA	ACE	BOTT	OM 1993	SACKS CEM	Maria de la Casa de la	REE	N	SIZ	3/8" J-55	DEPTH	SE1	PACK	ER SET
J-55	Sent			1,880	FLUID	. 400			-	3/6 3/33	-	uus		
26. Perforation	record (inte	rval, size, a	nd numb	er)	1	27	AC	ID, SHOT.	FR	ACTURE, CE	MENT, S	OUEEZ	ZE, ETC.	
	2.7	in ou	10/61	26003				INTERVAL	-0-0-0	AMOUNT A				
	/ /	/8" OH	1803	2009		-								
										-				
28.	***************************************					PROD	UC	TION						No. 15 Communication of the Co
Date First Product	tion 2/2020	P	roduction	Method (F)	lowing, gas lift, p PUMPING		Size an	id type pump,	)	Well Status		Shut-in) PRODU		
Date of Test 1/15/2021	Hours To	ested 24	Choke	Size	Prod'n For Test Period	0	il - Bb	A STATE OF THE STA	Gas	- MCF	Water - 860-100 BRINE		Gas - (	Dil Ratio
Flow Tubing Press	Casing F	ressure 45	Calcu	lated 24-	Oil - Bbl		Gas	- MCF	,	Water - Bbl.		Gravity	- API - (Cor	r.)
260 PSI			1,000	reme										
29. Disposition of	Gas (Sold,	used for fue	t, ventea	etc.)	-						30. Test W	itnessec	d By	
31 List Attachme	nts										BEN DO	DNAH	UE	
The state of the s	100				WEI	L BORE	SHEM	IATIC						

12 If a temporary pit was used at the well attach a plat will SERVICE ENTRISE EASED 12/22/2000		33. Rig Release Date	
34. If an on-site burial was used at the well, report the exact	at location of the on-site burial		
	Latitude	Longitude	NAD83
I hereby certify that the information shown on	both sides of this form is true and Printed	complete to the best of my knowledge a	nd belief
Signature Dunid H. Albarada 2/5/2021	Name DAVID ALVARADO	Title ACTING AGENT FOR H.R.C.	INC. Date:
E-mail Address davidal00136@gmail.com			

#### INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

#### INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

	Southeas	tern New Mexico		vestern New Mexico
T. Anhy 1775		T. Canyon	T. Ojo Alamo	T. Penn A"
. Salt	1880	T. Strawn	T. Kirtland	T. Penn. "B"
3. Salt	2900	T. Atoka	T. Fruitland	T. Penn. "C"
. Yates	2930	T. Miss	T. Pictured Cliffs	T. Penn. "D"
7 Rivers	3160	T. Devonian_	T. Cliff House	T. Leadville
. Queen	3710	T. Silurian	T. Menefee	T. Madison
T. Grayburg	4080	T. Montoya	T. Point Lookout	T. Elbert
San Andres	4396	T. Simpson	T. Mancos	T. McCracken
Glorieta	5715	T. McKee	T. Gallup	T. Ignacio Otzte
. Paddock	5858	T. Ellenburger	Base Greenhorn	T.Granite
Blinebry	6260	T. Gr. Wash	T. Dakota	
Tubb	6820	T. Delaware Sand	T. Morrison	
Drinkard	7050	T. Bone Springs	T.Todilto	
Abo	7464	T.	T. Entrada	
Wolfcamp		T	T. Wingate	
: Penn_		T	T. Chinle	
r. Cisco (Bough	(C)	T.	T. Permian	

						SANDS OR ZONE
from			No. 3, f	rom		toto
from		to				toto
		IMPORTANT W				
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					feet	
from		to			feet	
from					feet	
to	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
	data or rom rom	data on rate of waterom.	data on rate of water inflow and elevation to which water from to	data on rate of water inflow and elevation to which water rose in he from to	important water sands data on rate of water inflow and elevation to which water rose in hole. from to	irom

212	1151	939	REDBED
1151	1455	304	RB/SHALE
1455	1775	320	SHALE
1775	1880	105	ANHYDRITE
1880	2900	1020	SALT, RB, SHALE
2900	3130	230	ANHY., SALT, SHALE
3130	4080	950	ANHY., DOLOMITE
4080	4430	350	DOLOMITE, ANHY.
4430	7500	3070	DOLOMITE, LIMESTONE
7500	7900	400	DOLOMITE

SCHUBERT 7 WELL NO. 2 API 30-025-36781 2313 FSL, 2313 FEL J - SEC 7 - T195 - R39E LAT: 32.6738815 LONG: -103.0835953

Current 12/22/2020 Lithology Record (C-105) Lithology From Thick / ft. 212 1151 939 Redbed Hung with 3M head 1151 1455 RB / Shale 79 jts. 2 3/8" 4.7# J-55 1455 1775 320 Shale Bit SET @ 2609' 1775 1880 105 **Anhydrite** 1880 2900 1020 Salt,Redbed,Shale INTER. 5 1/2" 15.5# Drift 4.825" 2900 3130 230 Anhy, Salt, Shale Set @ 404' 200 sx cir surf 3130 4080 950 Anhy., Dolomite 4080 4430 Dolomite, Anhydrite 350 SURFACE 8 5/8" 24# ST&C 4430 7500 3070 1865' w/900SX Dolomite, Limestone **SET AT** 7500 7900 400 CIR. SURFACE Dolomite Liner 4 1/2 " 11.35# J55 liner Csg. set @ 1993' **OH HOLE SIZE** 7 7/8" 3% KCL Surface to 1865' BHA point @ 2609' W/... 3 1/8" OD X 1 1/2" ID xo DRILL OH TO 2649' 4-31/8" OD x11/2" ID D/C 3 1/8" x 1 3/4" ID xo Yates @2930' PLUG # 4 Bit 3 7/8" Bear Claw Bit 100sx @ 2947' est. TOC @ 2,557 Formation Top (C-105) T. Anhy 1775 PLUG#3 40sx @ 4089' T. Salt 1880 est. TOC @ 3,933 B. Salt 2900 T. Yates 2930 T. 7 Rivers 3160 PLUG#2 35sx @ 5710' T. Queen 3710 est. TOC @ 5,573' 4080 137 T. Grayburg T. San Andres 4396 T. Glorieta 5715 T. Paddock 5858 30sx @ 7900' PLUG#1 T. Blinebry 6260 est. TOC @ 7,783 T. Tubb 6820 117 TD 7900' T. Drinkard 7050 T. Abo 7464

#### **DEVIATIONS FROM THE NORMAL OPERATIONS**

No deviations occurred in 2020 from the normal operations at the Schubert 7 Well # 1 BW-31 until the end of the year during the remedial work performed in December. All lines were cleaned out with fresh water and disconnected from the well head. Power was shut off and building was skidded back to work on the well once work was finished the system was placed back into operation.

#### LEAKS, SPILL CORRECTIVE ACTION REPORTS

No leaks or spills occurred in 2020 for the Schubert 7 Well # 1 and facility.

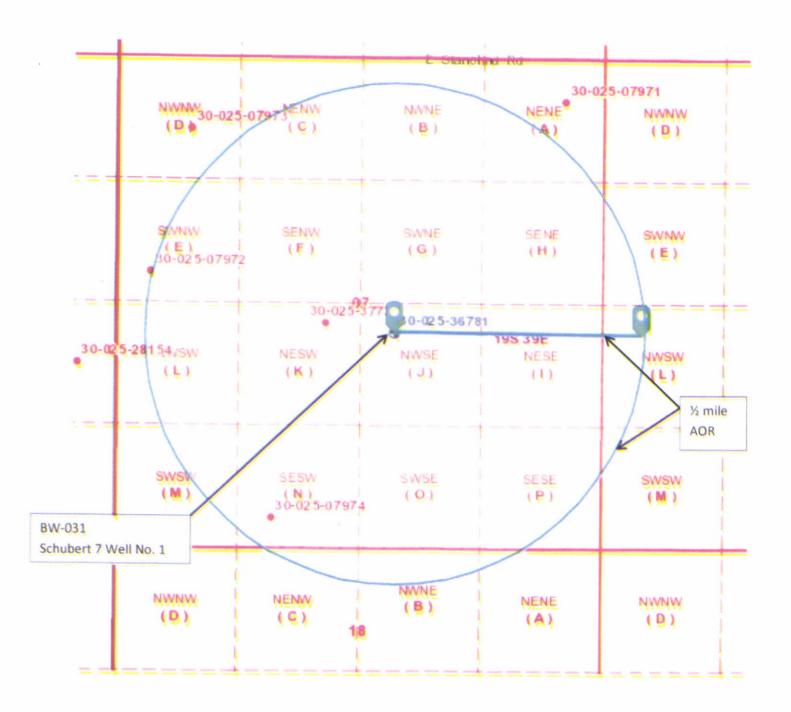
#### AREA OF REVIEW UPDATE SUMMARY

H.R.C., Inc. has updated the AOR for the Schubert 7 Well # 1 (BW-31) showing no new permits have been plotted on the NM OCD GIS program. H.R.C., Inc. will give notice to the Department if any future staking transpires within the AOR.

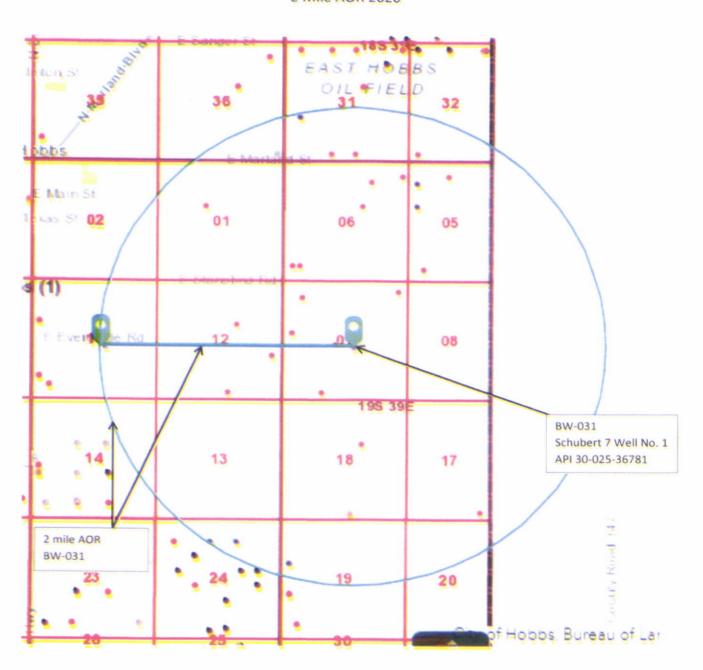
Please find on page 30 a half mile AOR review showing no new permits nor has there been any new wells drilled at this point.

Please find on page 31 a two mile AOR review showing no new permits nor has there been any new wells drilled at this point.

Schubert 7 Well No. 1 BW-031 API 30-025-36781 ½ Mile AOR 2020



BW-031 Schubert 7 Well No. 1 2 Mile AOR 2020



#### MITs, SURFACE SUBSIDENCE SURVEYS, CAVERN SIZE AND SHAPE AND VOLUME

Please see page 15 & 16 for last Cavern MIT conducted on 11-20-16 held 300 psi and passed with OCD witnesses. Please see on page 20 the chart for the new  $4\,\%$ " liner that held 730 PSI for 40 minutes on 12/18/2020.

Surface Subsidence Surveys were conducted by Basin Surveys certified by Gary L. Jones. Four Elevation markers are in place. Please find below where the EM markers are located for BW-31.

#### NEW MEXICO STATE PLANE COORDINATES (NAD83)

WELL	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEVATION
EM-1	611304.81	925484.92	32°40′27.52″	103°05′05.71″	3591.65
EM-2	611100.65	925800.11	32°40′25.46″	103°04′59.79″	3586.37
EM-3	611248.41	925991.42	32°40′26.90″	103°05′04.86″	3586.23
EM-4	610926.15	925561.84	32°40′23.76″	103°05′04.86″	3586.94

Three Surveys were conducted by Basin Surveys during the 2020 period with the description where no change in elevations has occurred. H.R.C., Inc. has depicted the 2020 reports of the surveys for your review below. Please find the plats of the Surveys at the end of this report for your viewing.

REVISION #	DATE	DESCRIPTION
12	January 15,2019	Resurvey-No Change in Elevations
13	May 7, 2019	Resurvey-No Change in Elevations
14	October 14, 2019	Resurvey-No Change in Elevations
15	January 31, 2020	Resurvey-No Change in Elevations
16	May 12, 2020	Resurvey- No Change in Elevations
17	September 9, 2020	Resurvey-No Change in Elevations

#### **Cavern Characterization**

BW-31 has extracted an estimated total of 6,410,804.1375 ft.<sup>3</sup> of Halite from the Salado formation from 2006 to December 31, 2020. This calculates to 512,864,331 lbs. of Halite that has produced 4,199,125 Bbl. of brine within this period stated above.

The Sonic log shown on page 34 has approximately 252' of good Halite net pay less than 5 API units on the Gama ray side of the log.

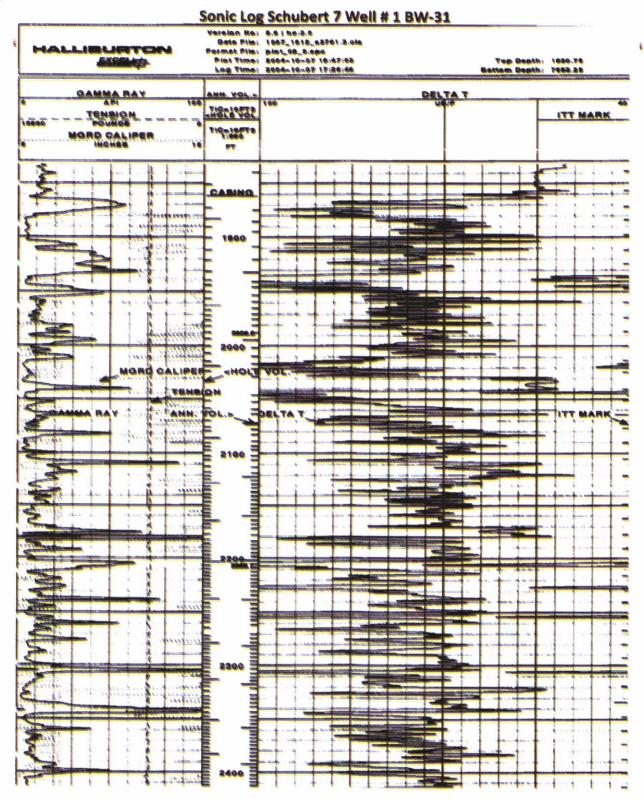
Without a true means of running a log that would allow us to see a true picture behind the anhydrite rock would be questionable. The characterization of the cavern can be mathematically calculated using  $V=\Pi R^2h/3$  where  $[V=(3.14159*155.86258^2)*(252')/3]$ 

V = 6,410,804 ft.<sup>3</sup> of Halite has been extracted to date. This amount of volume calculated correlates with the total of brine produced from 2006 through December 31, 2020 of 4,199,125 Bbl.

It takes 122.136 Lbs. of salt to produce one barrel of quality brine yielding a Specific Gravity of 1.1959. Multiplying salt ratio to total fluid bbl. total of 4,199,125 (extracted fluid bbl.) equals 512,864,331 Lbs. of salt mined from 2006 to the end of December 31, 2020.

Taking the amount of Halite mined of 512,864,331 Lbs. and dividing the amount by 80 (Lbs. salt per ft. $^3$ ) will equal 6,410,804.1375 ft. $^3$ . In respect to the cavern safety factor of 0.45 % the Schubert 7 Well No. 1 (BW-31) has a factor value of (311.72516' W / 1865 H) = 0.167145 well below the States warning factor. New horizons below 2312' will yield greater opportunities.

BW-31 has a lot of life to continue mining for Halite that is used throughout our needs for the oil industry in Southeastern New Mexico.



#### SUMMARY RATIO INJECTION VS. EXTRACTION

#### 2020 BRINE PRODUCTION & WATER INJECTION VOLUME RATIO %

MONTH	BRIINE	PSI	FRESH	PSI	RATIO	RATIO
			WATER			%
JANUARY	10,966	195-200	10,719	25-30	10966:10719	1.023043
FEBRUARY	28,034	195-200	27,840	25-30	14017:13920	1.006968
MARCH	24,919	195-200	24,764	25-30	24919:24764	1.006259
APRIL	11,426	195-200	11,319	25-30	11426:11319	1.009453
MAY	3,492	195-200	3,435	25-30	1164:1145	1.016594
JUNE	13,257	195-200	13,140	25-30	1473:1460	1.008904
JULY	7,624	195-200	7,526	25-30	3812:3763	1.013022
AUGUST	7,645	195-200	7,538	25-30	7645:7538	1.014195
SEPTEMBER	8,933	195-200	8,795	25-30	8933:8795	1.015691
OCTOBER	5,349	195-200	5,286	25-30	1783:1762	1.011918
NOVEMBER	7,213	195-200	7,086	25-30	7213:7086	1.017923
DECEMBER	4,252	195-200	4,196	25-30	1063:1049	1.013346

#### MAJOR FACILITY ACTIVITY OR EVENTS

Some major activities and events have taken place during 2020 at the end of 2020 in December all lines were flushed out with fresh water and disconnected from wellhead and triplex pump. The building was skidded back after electrical power was disconnected. For the other months before December no major activities or events took place. The well was worked on as the approved C-103 Intent on file.

# H.R.C., Inc.

H.R.C., Inc. completed the 180 day report after permit was renewed in 2019.

### SURFACE SUBSIDENCE MONITORING PLAN

Surface Subsidence Surveys were conducted by Basin Surveys certified by Gary L. Jones. Four Elevation markers are in place. Please find below where the EM markers are located for BW-31.

# **NEW MEXICO STATE PLANE COORDINATES (NAD83)**

WELL	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEVATION
EM-1	611304.81	925484.92	32°40′27.52″	103°05′05.71″	3591.65
EM-2	611100.65	925800.11	32°40′25.46″	103°04′59.79″	3586.37
EM-3	611248.41	925991.42	32°40′26.90″	103°05′04.86″	3586.23
EM-4	610926.15	925561.84	32°40′23.76″	103°05′04.86″	3586.94

Three Surveys were conducted by Basin Surveys during the 2020 period with the description stating that no change in elevations had occurred. H.R.C., Inc. has depicted the 2020 reports of the surveys for your review below. Please find the plats of the Surveys at the end of this report for your viewing.

REVISION #	DATE	DESCRIPTION				
12	January 15,2019	Resurvey-No Change in Elevations				
13	May 7, 2019	Resurvey-No Change in Elevations				
14	October 14, 2019	Resurvey-No Change in Elevations				
15	January 31, 2020	Resurvey-No Change in Elevations				
16	May 12, 2020	Resurvey-No Change in Elevations				
17	September 9, 2020	Resurvey-No Change in Elevations				

# H.R.C., Inc.

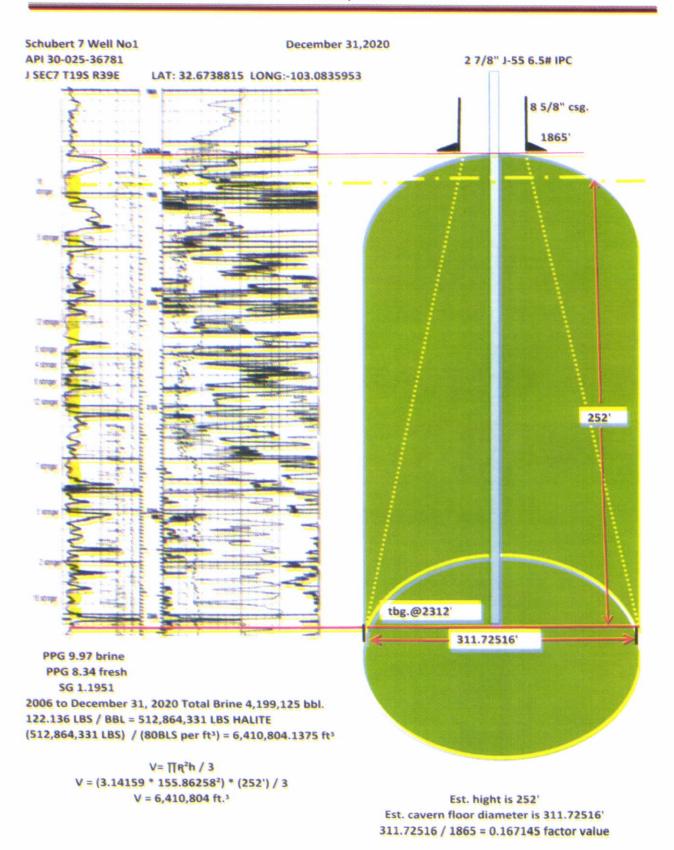
# CAVERN CHARACTERIZATION DATA RESULTS.

Please refer to page 33 and page 34 for data results.

Please find the characterization of the Schubert 7 Well No. 1 (BW-31) on Page 38

We have attached a copy for your viewing at the end of this yearly report.

# H.R.C., Inc.



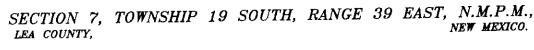
Page 38

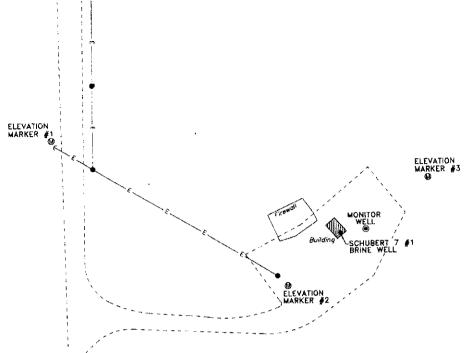
**BW - 31** 

# SCHUBERT 7 - WELL # 1

# Year 2020

PRODUCTION (BY Meter)	INJECTED (By Meter)	
10,966 28,034 24,919 11,426 3,492 13,257 7,624 7,645 8,933 5,349 7,213	10,719 27,840 24,764 11,319 3,435 13,140 7,526 7,538 8,795 5,286 7,086	
	10,966 28,034 24,919 11,426 3,492 13,257 7,624 7,645 8,933 5,349	(BY Meter) (By Meter)  10,966



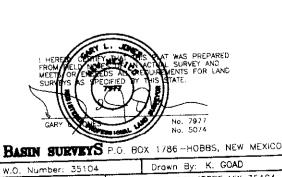


ELEVATION MARKER #4 NOTE: ELEVATIONS ARE ON BLACK MARK ON NORTH SIDE OF PVC CASING.

NEW MEXICO STATE PLANE COORDINATES (NADB3) ELEVATION LATITUDE LONGITUDE EASTING NORTHING 103'05'05.71 3591.65 925484.92 32'40'27.52" 611304.81 3586.37 103'05'02.05 925800.11 32'40'25.46' 611100.65 EM-2 J586.23 103'04'59.79' 32'40'26.90" 925991.42 611248.41 €M-3 103'05'04.86 3586.94 32'40'23.76" 610926.15 925561.84 EM-4

REVISION #	DATE	DESCRIPTION
1	SEPT. 9, 2015	ORIGINAL SURVEY
2	DEC. 15, 2015	RESURVEY-NO CHANGE IN ELEVATIONS
3	APRIL 12, 2016	RESURVEY-NO CHANGE IN ELEVATIONS
	JULY 25, 2016	RESURVEY-NO CHANGE IN ELEVATIONS
5	OCTOBER 27, 2016	RESURVEY-NO CHANGE IN ELEVATIONS
δ	February 5, 2017	RESURVEY-NO CHANGE IN ELEVATIONS
7	May 11, 2017	RESURVEY-NO CHANGE IN ELEVATIONS
- R	AUGUST 30, 2017	RESURVEY-NO CHANGE IN ELEVATIONS
9	JANUARY 10, 2018	RESURVEY-NO CHANGE IN ELEVATIONS
10	MAY 1, 2018	RESURVEY-NO CHANGE IN ELEVATIONS
	SEPTEMBER 5, 2018	RESURVEY-NO CHANGE IN ELEVATIONS
12	JANUARY 15, 2019	RESURVEY-NO CHANGE IN ELEVATIONS
13	MAY 7, 2019	RESURVEY-NO CHANGE IN ELEVATIONS
14	OCTOBER 14, 2019	RESURVEY-NO CHANGE IN ELEVATIONS
15	JANUARY 31, 2020	RESURVEY-NO CHANGE IN ELEVATIONS
16	MAY 12, 2020	RESURVEY-NO CHANGE IN ELEVATIONS

100



H.R.C. INC.

REF: ELEVATION MARKERS

SCALE: 1" = 100'

100

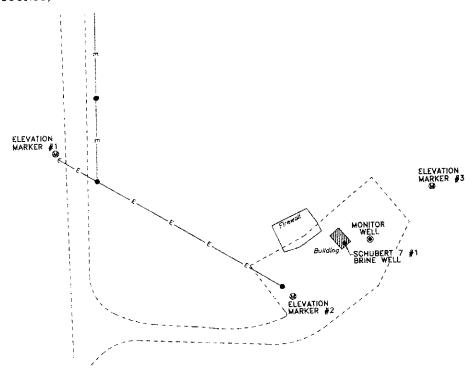
200 FEET

ELEVATION MARKERS LOCATED IN

SECTION 7, TOWNSHIP 19 SOUTH, RANGE 39 EAST,

N.M.P.M., LEA COUNTY, NEW MEXICO.

# SECTION 7, TOWNSHIP 19 SOUTH, RANGE 39 EAST, N.M.P.M., NEW MEXICO.



NOTE: ELEVATIONS ARE ON BLACK MARK ON NORTH SIDE OF PVC CASING. ANE COORDINATES (NAD83)

	NEW MEXICO .	STATE PLANE COO		T. C
NORTHING	EASTING	LATITUDE	LONGITUDE	ELEVATION
	925464 92	32'40'27.52"	103'05'05.71"	3591.65
	·	32'40'25,45"	103'05'02.05"	3586.37
	-		103'04'59.79"	3586.23
				3586.94
	NORTHING 611304.81 611190.65 611248.41	NORTHING         EASTING           611304.81         925484.92           511100.65         925800.11           611248.41         925991.42	NORTHING         EASTING         LATITUDE           611304.81         925484.92         32'40'27.52"           511100.65         925800.11         32'40'25.46"           611248.41         925991.42         32'40'26.90"	611304.81 925484.92 32'40'27.52" 103'05'05.71" 511100.65 925800.11 32'40'25.45" 103'05'02.05" 611248.41 925991.42 32'40'26.90" 103'04'59.79"

REVISION /	DATE	DESCRIPTION
1	SEPT. 9, 2015	ORIGINAL SURVEY
2	DEC. 15, 2015	RESURVEY-NO CHANGE IN ELEVATIONS
3	APRIL 12, 2016	RESURVEY-NO CHANGE IN ELEVATIONS
4	JULY 26, 2016	RESURVEY-NO CHANGE IN ELEVATIONS
. 5	OCTOBER 27, 2016	RESURVEY-NO CHANGE IN ELEVATIONS
6	February 6, 2017	RESURVEY-NO CHANGE IN ELEVATIONS
7	May 11, 2017	RESURVEY-NO CHANGE IN ELEVATIONS
8	AUGUST 30, 2017	RESURVEY-NO CHANGE IN ELEVATIONS
9	JANUARY 10, 2018	RESURVEY-NO CHANGE IN ELEVATIONS
10	MAY 1, 2018	RESURVEY-NO CHANGE IN ELEVATIONS
11	SEPTEMBER 5, 2018	RESURVEY-NO CHANGE IN ELEVATIONS
12	JANUARY 15, 2019	RESURVEY-NO CHANGE IN ELEVATIONS
1,3	MAY 7, 2019	RESURVEY-NO CHANGE IN ELEVATIONS
14	OCTOBER 14, 2019	RESURVEY-NO CHANGE IN ELEVATIONS
15	JANUARY 31, 2020	RESURVEY-NO CHANGE IN ELEVATIONS
16	MAY 12, 2020	RESURVEY-NO CHANGE IN ELEVATIONS
17	SEPTEMBER 9, 2020	RESURVEY-NO CHANGE IN ELEVATIONS



BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO

Drawn By: K. GOAD W.O. Number: 35187 Date: 09-09-2020 Disk: KJG - SCHUBERT MW 35187

200 FEET EHHHH SCALE: 1" = 100' H.R.C. INC.

ELEVATION MARKERS

ELEVATION MARKERS LOCATED IN SECTION 7. TOWNSHIP 19 SOUTH, RANGE 39 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

Sheets of Survey Date: 09-09-2020 Sheet



June 15, 2020

BEN DONAHUE

ETZ WATER STATION

PQ BOX 6056

HOBBS, NM 88241

RE: SCHUBERT

Enclosed are the results of analyses for samples received by the laboratory on 06/04/26 10:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number F104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tcog.rexas.gov/field/ga/lab\_accredit.certif.html">www.tcog.rexas.gov/field/ga/lab\_accredit.certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method FPA S52.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

 Method SM 9223-B
 Total Coliform and E. coli (Colllert MMC-MUG)

 Method EPA 524.2
 Regulated VOCs and Total Trihalomethanes (TTHM)

 Method EPA 552.2
 Total Haloacetic Acids (HAA-5)

Celeg & Keens

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerety,

Celey D. Keene

Lab Director/Quality Manager

Page 1 of 11



### Analytical Results For:

ETZ WATER STATION PO BOX 6056

Project: SCHUBERT

Reported:

HOBBS NM, 88241

Project Number: SHUBERT #7 WATER SAMPLES Project Manager: BEN DONAHUE

15-Jun-20 14:49

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BRINE WATER	H001511-01	Water	03-Jun-20 15:17	04-Jun-20 10:25
FRESH WATER	H001511-02	Water	03-Jun-20 15:20	04-Jun-20 10:25
MONITOR WELL	H001511-03	Water	03-Jun-20 15:15	04-Jun-20 10:25

\*=Accredited Analyte Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Page 2 of 11



### Analytical Results For:

ETZ WATER STATION PO BOX 6056

Project: SCHUBERT

Reported:

HOBBS NM, 88241

Project Number: SHUBERT #7 WATER SAMPLES Project Manager: BEN DONAHUE

15-Jun-20 14:49

Fax To:

### BRINE WATER H001511-01 (Water)

					,					
Ang' cie	Reviii	MDI	Reporting Lung	Fouts	Diletion	Hateh	Analyst	Anuly zeď	Methosl	Notes
			 Cardii	rat Laborat	ories					
Inorganic Compounds										
Alkalinity, Bicarbonate	83.0		5.00	ו-עיט	1	6043006	At	05-3 <sub>00</sub> -20	310.1	
Alkalinity, Carbonate	00,1.5		1.00	ng/l	1	0043006	7.0	05-/an-20	310.1	
Chloride*	194000		4.00	myst.	,	9052602	GM	05-Jun-20	4500-CI-B	
Conductivity*	276000		1.00	$\mu S(vn)$	:	0000503	AC	05-bas-20	130.1	
pH*	6,99		0.100	pH Units	1	66665472	W	05-Jun-20	150 1	
Sulfate*	4010		1250	naș I	125	0081104	Ac	14-Jun-20	375.4	
TDS*	32,3000		5,00	orașe I	:	0060211	$\cup M$	58-Jan-26	160.1	
Alkalinity, Total <sup>4</sup>	68.0		4 (0)	- , <sub>2</sub> • ;		enulzeku.	W	95-36/-20	310 1	
			Green Ana	ilytical Lab	oratories					
Total Recoverable Metals by	ICP (E200.7)									
Calcium*	1360	,	50.0	nig.T.	SUP	13200973	AFS	ti)-Jun-20	EPA200.7	
Magnesium*	384		50.0	mg/1	Seg()	B200973	APS	t0-Jun-20	EPA200.7	
Potassium*	102	75.8	5 (98)	18g T.	500	B2(x)9"}	$\Delta ES$	10-ba-20	EPA200 1	
Sodium*	113000		500	agit	500	B1009°3	AES	10-Jun-20	EPA 200 7	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 11



### Analytical Results For:

ETZ WATER STATION PO BOX 6056

Project: SCHUBERT

Reported:

HOBBS NM, 88241

Project Number: SHUBERT #7 WATER SAMPLES

15-Jun-20 14:49

Project Manager: BEN DONAHUE

Fax To:

### FRESH WATER

### H001511-02 (Water)

Analyte	Resuit	MDL.	Reportag Lindi	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	ial Laborati	ories					
Inorganic Compounds									<u> </u>	
Alkalinity, Bicarbonate	293		5,00	mg/L	1	0000508	AC	05-Jun-20	110.1	
Alkalinny, Carbonate	< 5,00		5.00	mg/1	;	0060508	AL"	05-Jan-20	110.1	
Chloride*	288		4 (6)	mg/L		0052603	GM	05-Jan-20	4500-C3-B	
Conductivity*	1730		1.00	o\$3cm	1	0000503	AC	u5-Jun-20	(20, j	
pH*	7.68		0.100	pil emis	1	90/66503	$\Delta C$	05-Jan-2d	150.1	
Sulfate*	205		50.0	m2.1.	š	90611M	$\mathcal{M}^{\circ}$	11-Yan-20	375,4	
TDS*	1080		5 (6)	my/L	1	(8)60211	GM	08-Jun-20	16r) I	
Alkahuity, Iotal*	240		1,00	nigrii	I	0060508	Æ	บริงในกรวิย	310.1	
			Green Ana	dytical Lab	oratories					
Total Recoverable Metals by	ICP (E200,7)									
Calcium*	133		(4.500)	ng:1	4	6200973	AFS	10-Jun-26	EPA200.7	
Magnesium*	32.1		14 H(4f)	mgd	:	B000973	Vi-S	10-ժեռ-26	EPA200.7	
Potassiom <sup>2</sup>	14.7	0.748	5 (8)	mp l	3	B200973	MFS	10-Jun-39	EPA260 =	
Sodium*	162		5.00	myd	·	B2089*3	AFS	(t)-jtay-30	1.PA200.2	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 4 of 11



Reported:

15-Jun-20 14:49

### Analytical Results For:

ETZ WATER STATION Project: SCHUBERT

PO BOX 6056 Project Number: SHUBERT #7 WATER SAMPLES

HOBBS NM, 88241 Project Manager: BEN DONAHUE

Fax To:

# MONITOR WELL

H001511-03 (Water)										
Analyte	Result	MOL	Reporting Line.	Lints	Odunon	Batch	Analyst	Angdyzed	Method	Notes
			Cardi	ial Laborat	ories					
Inorganic Compounds										
Alkalinity, Bicarbonate	215		5,(a)	novel.	j	0166568	AC	65-Jun-20	3 (0.1	
Alkalinky, Carbonate	100		).(8)	mg/s.	÷	0480408	AC	08-105-20	\$10.1	
Chloride*	\$6.0		4.00	ացվ.	i	0052602	soM.	05-260-20	4500-( 4-B	
Canductivity*	651		1,00	. Sixat	1	0660563	AC.	198-J <sub>144</sub> -20	520.4	
pH*	7.8n		0.166	old Cours	:	0060503	4C	ersediche 20	150 1	
Sulfate*	64.8		(0.0)	mg I	:	0(%) (04	AC	1-1un-20	375.4	
ros*	433		5.30	$m_{\rm g} T$	-	14960211	GM	98-Jun-29	160.1	
Alkalinity, Total*	176		4,04)	my L	:	0.060568	AC	95 day 20	340 (	
			Green Ana	dytical Lab	oratories					
Total Recoverable Metals by	ICP (E200.7)			***						
Calcium*	47,0		0.500	napit	5	B200973	AES	10-Jun-20	FPA200.0	
Magnesium*	15.1		(),500	اليرين	Š	8260973	ALS	10-Jan 20	HPA200.7	
Potassium*	2.26	9.758	5,09	og L	-	182009975	AES	104 Jun 20	EPA200.7	J
Sodium*	63.8		3.600	ang 1	4	B266973	AES	30-346-20	LPA2001	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 5 of 11



Reported: 15-Jun-20 14:49

#### Analytical Results For:

ETZ WATER STATION Project: SCHUBERT

PO BOX 6056 Project Number: SHUBERT #7 WATER SAMPLES

HOBBS NM, 88241 Project Manager: BEN DONAHUE

Fax To:

### Inorganic Compounds - Quality Control

### Cardinal Laboratories

Analyte	Result	Repoining Cran	Gints	Spike Level	Somee Result	%REC.	%REC Limits	RPD	RPD Limit	Notes
Batch 0043096 - General Prep -	Wet Chem				V			·		·
Blank (0043006-BLK1)				Prepared &	: Analyzed:	30-Apr-20				
Aikalimty, Carponate	ND	i ölt	mg-1							
A halinsty, Broarbonaic	5.00	5 (04)	12192 \$							
Alkohosty, forui	4,40	4.06	mg !							
LCS (0043006-BS1)				Prepared &	: Analyzed:	30-Apr-20				
Adealizative Carpornary	XD	2.50	ag l				80-170			
Alkalimity, Bleamonaire	290	: 2.5					89-120			
Aikalmity, Totai	340	56.0	right.	*****		56,0	¥6+120			
LCS Dup (0043006-BSD1)				Prepared &	Analyzed:	30-Apr-20				
Alkalinay, Carbonate	22	2.50	ary T				80-120		20	
Alkalinity, Brearbonice	3,30	12.5	my I				80-120	12.0	20	
Afkalinity, Total	276	(6.0)	ong 1.	250		301	80-126	11.8	20	
Batch 0052602 - General Prep -	Wet Chem									
Blank (0052602-BLK1)				Propaged &	: Analyzed:	26-May-20				
Chlonds	80	4 (A)	1997							
LCS (0052602-BS1)				Prepared &	: Analyzed:	26-May-20				
Oltonide	504	4 (5)	0001	; =		146.	80-120			
f CS Dup (0052602-BSD1)				Prepared &	Analyzed:	26-May-20				
Chioride	104	143	the I	5586		354	86-126	6.60	20	
Batch 0060211 - Filtration										
Blank (0060211-B1:K1)				Prepared: (	2-Jun-20 A	nalyzed, 0.	-Jun-20			
TDS	7.0	5 (8)	mg L							

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 6 of 11



# Analytical Results For:

ETZ WATER STATION PO BOX 6056 HOBBS NM, 88241 Project: SCHUBERT
Project Number: SHUBERT #7 WATER SAMPLES

Reported: LES 15-Jun-20 14:49

Project Manager: BEN DONAHUE

Fax To:

### Inorganic Compounds - Quality Control

### Cardinal Laboratories

Analyte	Resuli	Reposting Limit	Upots	Sorke	Source Result	SREC	%REC Lamits	सम्ब	RPD Lanit	Notes
	10, 1111									
Batch 0060211 - Filtration										
LCS (0060211-BS1)				Prepared: (	i2-Jun-20 ∧	nalyzed: 03	-Jun-20			
TDS	923		ang L	500		105	80-120			
Duplicate (0060211-DUP1)	Sour	ce: H001477	-02	Prepared, (	2-Jun-20 A	nalyzed: U.	5-Jun-20			
TDS	157	5,(4)	met		774			0.415	20	
Batch 0860503 - General Prep - Wet Chem			···							. , ,,
LCS (0060503-BSI)				Prepared 8	(Analyzed.	05-Jun-20				
p{}	7.43		pH Care.	DQ.		102	90-117			
Conductivity	{{:}}:j::::4}		u <sup>8</sup> con	100000		611)	80-120			
Duplicate (0060503-DCP4)	Sour	rce: H001511	-01	Prepared 3	(Analyzed)	05-Jun-20				
\$B	7,6(2	0.100	pii Unio		6.99			0.428	20	
Consingfacts	275000	, ma	us eni		275060			€ 218	20	
Batch 8060508 - General Prep - Wet Chem										
Blank (0060508-BLK1)				Properco S	: Analyzed:	95-Jun-20				
Vikalindy, Carbonate	80	. 8:0	991							
Abentinity, Breuchonnte	5.00	5 00	ne i							
Assuming, Tetal	1,70	4.00	mg I							
I.CS (0060508-BS1)				Proposed 8	e Anatyzed:	-15-Jun-20				
Alkaliaris, Carponale	NO.	2.50	raig I				$\mathbf{x} \mathbf{f}_{i+1} (2t)$			
Afkulturs, Bizarbanare	¥ 5	12.5	call L				80,120			
Alkaniew, Tesai	251	50.6	mgr L	256		160	50-120			

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 7 of 11



### Analytical Results For:

ETZ WATER STATION Project: SCHUBERT SAMPLES Reported:
PO BOX 6056 Project Number: SHUBERT #7 WATER SAMPLES 15-Jun-20 14:49

HOBBS NM, 88241 Project Manager: BEN DONAHUE

Fax To:

### Inorganic Compounds - Quality Control

#### Cardinal Laboratories

Anciyis	stesus.	Reporting Limit	Units	Spike Level	Source Result	"UREA"	%REC Umits	रावज	RPD Louis	Notes
Batch 0060508 - General Prep - Wet Chem										
LCS Dup (0969508-BSD1)				Prepared &	Analyzed	05-Jun 20				
Alkalinity, Carisonate	SĐ	2.80	nig l				80-120		20	
Alkalinity, Bicarbonate	403	12.3	rig L				80-120	5.00	20	
Alkalinity, Total	2591	10.0	sag l.	250		3,000	80-120	0.00	20	
Batch 9061104 - General Prep - Wet Chem Blank (0061104-BLK1) Suffire	So	:46	10% <sup>3</sup>	Prepared &	Analyzed:	11-Jup-20				
	\$17		11.30							
LCS (0061f04-BS1)				Prepared &	Analyzed:	11 Jun-20				
			mag-1	251.00		1402	80-130			
	20.0	(4,6)	1317.4	231.11		, 411.				
Sulfac LCS Dup (0061104-BSD1)	20.0	15.0	nar	Prenavd &	: Anaiyzed					

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Celey D. Keene, Lab Director/Quality Manager

Page 8 of 11



### Analytical Results For:

ETZ WATER STATION PO BOX 6056

Project: SCHUBERT

Reported: 15-Jun-20 14:49

HOBBS NM, 88241

Project Number: SHUBERT #7 WATER SAMPLES

Project Manager: BEN DONAHUE

### Total Recoverable Metals by ICP (E200.7) - Quality Control

### Green Analytical Laboratories

Maiy In	Rosult	Reporting Limit	traits	Spile. Level	soarce Result	SRLC	%REC Limits	RPD	RPD Lindt	Notes
Batch B200973 - Total Rec. 200.7/200.8/200.2										
Blank (B200973-BLK1)				Prepared; 0	8-Jun-20 A	nalyzed: f	0-Jan-20			
Palassium	ND	1.00	ing T							
Springer	ND	1,100	rog t.							
Cateroni	ND	0.100	nig/L							
Mugniesium	80	0.100	mge L							
LCS (B200973-BS1)				Prepared: (	08-Jun-20 A	madyzed. 1	0-Jun-20			
Sodam	3.35	) Dir	asg i	3.24		103	85-115			
Potassian	5.50	(H)	my I	S CG		100	85-115			
Mogry sines	26,6	er (199)	ag l	2000		103	85-115			
Calcien	4,715	(0.110)	ang, I	á (a)		101	35-115			
I.CS Dup (B200973-BSD1)				Prepared: (	)8-Jun-20 A	matyzed: }	0hm-30			
Magnesiara	.Mi?	3F 2450F	ma L	20.0		101	85-115	2 12	20	
Petaesian	8.30	! sit'	ma I	8 (6)		104	85.115	2 4:7	241	
Sudiani	3.25	1.00	nig t.	1.24		105	85-115	3.64	20	
Calenda	3.85	0 (68)	10g i	5.80		93.5	35.115	2.38	20	

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Celey D. Keene, Lab Director/Quality Manager

Page 9 of 11



### **Notes and Definitions**

1	Estimated conentration. Analyte concentration between MDL and RL.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
* 2	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received easis (wet) unless otherwise noted on report

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PERSON NOTE: CLOSES OF CHANGES - Limitation relations in the content of the conte

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Celey D. Keene, Lab Director/Quality Manager

Page 10 of 11

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

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					:ssaup			_	·	Phone #: 575 363 3164 Fax#:
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			1		:# '(	2.9				Project Manager: Per Desche
<del> </del>	ANALYSIS REQUEST			<i>OL 1</i>						Company Name: ETZ Wester Steelon
<del></del>									9	747-266 (373) XAF 8262-266 (373)

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🕹 Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsimi.com



December 15, 2020

BEN DONAHUE

**ETZ WATER STATION** 

PO BOX 6056

HOBBS, NM 88241

RE: SCHUBERT

Enclosed are the results of analyses for samples received by the laboratory on 12/04/20 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/iab">www.tceq.texas.gov/field/qa/iab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

alex & Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

**ETZ WATER STATION** 

PO BOX 6056 HOBBS NM, 88241 Project: SCHUBERT

Project Number: SCHUBERT #7 Project Manager: BEN DONAHUE

Fax To:

Reported: 15-Dec-20 16:38

1				
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BRINE WATER	H003188-01	Water	03-Dec-20 11:45	04-Dec-20 14:00
FRESH WATER	H003188-02	Water	03-Dec-20 11:48	04-Dec-20 14:00
MONITOR WELL	H003188-03	Water	03-Dec-20 11:47	04-Dec-20 14:00

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Colou D. Koona Lah Director/Quality Manager



# Analytical Results For:

**ETZ WATER STATION** PO BOX 6056

HOBBS NM, 88241

Project: SCHUBERT

Project Number: SCHUBERT #7 Project Manager: BEN DONAHUE

Fax To:

Reported: 15-Dec-20 16:38

# **BRINE WATER**

H003188-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Not
			Card	inal Laborato	ries					
Inorganic Compounds										
Alkalinity, Bicarbonate	83.0		5.00	mg'L	1	0120709	GM	07-Dec-20	310.1	
Alkalinity, Carbonate	<0.1>		1.00	mg-L	1	0120709	GM	07-Dec-20	310.1	
Chloride*	188000		4.00	mg·L.	1	0111906	GM	07-Dec-20	4500-Cl-B	
Conductivity*	277000		1.00	umhos/cm @ 25°C	1	0120707	GM	07-Dec-20	120.1	
рН∗	7.02		0.100	pH Units	1	0120707	GM	07-Dec-20	150.1	
Temperature °C	23.0			pH Units	1	0120707	GM	07-Dec-20	150.1	
Sulfate*	3830		833	mg T.	83.33	0120404	GM	10-Dec-20	375,4	
TDS*	318000		5.00	mg.T.	í	0120812	GM	11-Dec-20	160.1	
Alkalinity, Total*	68.0		4.00	mg/L	ı	0120709	GM	07-Dec-20	310.1	
			Green Ana	alytical Labor	ratories					
Total Recoverable Metals by	1CP (E200,7)									
Calcium*	1300		50.0	mg L	500	B202689	AES	11-Dec-20	EPA200,7	
Magnesium*	504		50.0	ing.L	500	B202689	AES	11-Dec-20	EPA200.7 EPA200.7	
Potassium*	153	75.8	500	ing/L	500	B202689	AES	11-Dec-20	EPA200.7 EPA200.7	
Sodium*	110000		500	mg/L	500	B202689	AES	11-Dec-20	EPA200.7	

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Color D. Koopa Lah Director/Ougliby Manager



# Analytical Results For:

ETZ WATER STATION PO BOX 6056 HOBBS NM, 88241 Project: SCHUBERT
Project Number: SCHUBERT #7

Reported: 15-Dec-20 16:38

Project Manager: BEN DONAHUE Fax To:

# FRESH WATER H003188-02 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Not
			Cardi	inal Laborato	ries					
Inorganic Compounds										
Alkalinity, Bicarbonate	224		5.00	mg/L	l	0120709	GM	07-Dec-20	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	0120709	GM	07-Dec-20	310.1	
Chloride*	244		4.00	mg/L	1	0111906	GM	07-Dec-20	4500-Cl-B	
Conductivity*	1620		1.00	umhos/cm @, 25°C	I	0120707	GM	07-Dec-20	120.1	
pH*	7.87		0.100	pH Units	1	0120707	GM	07-Dec-20	150.1	
Temperature °C	23,0			pH Units	1	0120707	GM	07-Dec-20	150.1	
Sulfate*	242		50.0	mg/L	5	0120404	GM	10-Dec-20	375.4	
TDS*	978		5.00	mg L	1	0120812	GM	11-Dec-20	160.1	
Alkalinity, Total*	184		4.00	mg.T.	1	0120709	GM	07-Dec-20	310.1	
			Green Ana	alytical Labo	ratories					
Total Recoverable Metals by	ICP (E200.7)									
Calcium*	134	-	0.500	mg/L	5	B202689	AES	11-Dec-20	EPA200.7	
Magnesium*	36.7		0.500	mg:L	5	B202689	AES	11-Dec-20	EPA200.7	
Potassium*	3.89	0.758	5.00	mg/L	5	B202689	AES	11-Dec-20	EPA200.7	
Sodium*	120		5.00	mg/L	5	B202689	AES	11-Dec-20	EPA 200.7	

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Color D. Vonna Lab Director/Auglity Manager



# Analytical Results For:

**ETZ WATER STATION** PO BOX 6056 HOBBS NM, 88241

Project: SCHUBERT Project Number: SCHUBERT #7

Project Manager: BEN DONAHUE

Fax To:

Reported: 15-Dec-20 16:38

# MONITOR WELL H003188-03 (Water)

Analyte	Result	MDL.	Reporting Limit	Units	Dilution	Batch	Analysi	Analyzed	Method	Not
			Card	inal Laborato	ories					
Inorganic Compounds										
Alkalinity, Bicarbonate	210		5.00	mg-L	1	0120709	GM	07-Dec-20	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	f	0120709	GM	07-Dec-20	310.1	
Chloride*	60.0		4.00	mg/L	ı	0120708	GM	07-Dec-20	4500-Cl-B	
Conductivity*	651		1.00	umhos/cm@ 25°C	1	0120707	GM	07-Dec-20	120.1	
ο <b>Η</b> *	7.76		0.100	pH Units	J	0120707	GM	07-Dec-20	150.1	
femperature °C	23.1			pH Units	l	0120707	GM	07-Dec-20	150.1	
Sulfate*	60.1		10.0	mg/L	1	0120404	GM	10-Dec-20	375.4	
rds*	262		5.00	mg'l_	I	0120812	GM	11-Dec-20	160.1	
Alkalinity, Total*	172		4.00	mg/L	f	0120709	GM	07-Dec-20	310.1	

# **Green Analytical Laboratories**

Total Recoverable Metals by	ICP (E200.7)								
Calcium*	50.0		0.500	mg/L	5	B202689	AES	11-Dec-20	E <b>P</b> A200.7
Magnesium*	16.0		0.500	mg/L	5	B202689	AES	11-Dec-20	EPA200.7
Potassium*	2.20	0.758	5.00	mg/1.	5	B202689	AES	11-Dec-20	EPA200.7
Sodium*	54.9		5.00	mg/L	5	B202689	AES	11-Dec-20	EPA200.7

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Color D. Koono Lah Director/Quality Manager



# Analytical Results For:

**ETZ WATER STATION** PO BOX 6056

HOBBS NM, 88241

Project: SCHUBERT

Project Number: SCHUBERT #7

Project Manager: BEN DONAHUE

Fax To:

Reported: 15-Dec-20 16:38

# Inorganic Compounds - Quality Control

### Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0111906 - General Prep - Wet Chem										
Blank (0111906-BLK1)				Prepared &	: Analyzed:	19-Nov-20	)			<del></del>
Chloride	ND	1 00	mg/I.							
LCS (0111906-BS1)				Prepared &	Analyzed:	19-Nov-20	)			
Chloride	100	4.00	mg/L	100		100	80-120			
LCS Dup (0111906-BSD1)				Prepared &	Analyzed:	19-Nov-20	}			
Chloride	100	4.00	mg.L	100		100	80-120	0.00	20	· • • • • • • • • • • • • • • • • • • •
Batch 0120404 - General Prep - Wet Chem										
Blank (0120404-BLK1)				Prepared: 0	4-Dec-20 A	nalvzed: 1	0-Dec-20			
Sulfate	ND	10.0	mg/L						· · · · · · · · · · · · · · · · · · ·	
LCS (9120404-BS1)				Prepared: 0	4-Dec-20 A	nalyzed: 1	0-Dec-20			
Sulfate	21.0	0.01	mg/L	20.0		105	80-120			
LCS Dup (0120404-BSD1)				Prepared: 0	4-Dec-20 A	nalyzed: H	0-Dec-20			
Sulfate	20.2	10.0	:ng/L	20.0		101	80-120	3.94	20	
Batch 0120707 - General Prep - Wet Chem										
LCS (0120707-BS1)		·		Prepared &	Analyzed: (	07 <b>-Dec-2</b> 0	· · · · · · · · · · · · · · · · · · ·			
Conductivity	102000		uS/em	100000	<u>-</u>	102	80-120			
Н	7.09		pH Umts	7.00		101	90-110			
Duplicate (0120707-DUP1)	Sou	rce: H003187-	-01	Prepared &	Analyzed: (	07-Dec-20				
Hq	7.00	0.100	pH Units		6,90			1.44	20	
Conductivity	262000	1.00 u	mhos em (a 25°C		262000			0.305	20	
Temperature °C	23.0		pH Umis		23.0			0.00	200	

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Colou D. Koono Lab Director/Quality Manager



# Analytical Results For:

**ETZ WATER STATION** PO BOX 6056 HOBBS NM, 88241

Project: SCHUBERT Project Number: SCHUBERT #7

Reported: 15-Dec-20 16:38

Project Manager: BEN DONAHUE

Fax To:

# Inorganic Compounds - Quality Control

### Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0120708 - General Prep - Wet Chem										
Blank (0120798-BLK1)	····		<del>, , , , , , , , , , , , , , , , , , , </del>	Prepared &	Analyzed	07-Dec.20		*****		<del></del>
Chloride	ND	4 00	mg/L							
LCS (0120708-BS1)				Prepared &	: Analyzed:	07-Dec-20				
Chloride	100	4.00	mg/L	100		100	80-120			···
LCS Dup (0120708-BSD1)				Prepared &	Analyzed:	07-Dec-20				
Chloride	104	4.00	ing/L	100		104	80-120	3.92	20	<u> </u>
Batch 0120709 - General Prep - Wet Chem										
Blank (0120709-BLK1)				Prepared &	Analyzed	07.Dec. 20				<del></del> -
Alkalinity, Carbonate	ND	1.00	mg/L		, mar , nea.	07-200-20	0.10 a			
Alkalinity, Bicarbonate	5,00	5.00	mg/L							
Alkalinity, Total	4.00	4.00	mg/L							
LCS (0120709-BS1)				Prepared &	Analyzed	07-Dec-20				
Alkalinity, Carbonate	ND	2.50	mg/f.			01-200-20	 80-120			
Alkalinity. Bicarbonate	305	12.5	mµ/L				80-120			
Alkalinity, Total	250	10.0	mg/L	250		100	80-120			
LCS Dup (0120709-BSD1)				Prepared &	Analyzed:	07-Dec-20				
Alkalinity, Carbonate	ND	2.50	mg/L			· /-DCC-20	80-120		20	
Alkalinity, Bicarbonate	318	12.5	mg/L				80-120	4.02		
Alkatinity, Total	260	10.0	mg/L	250		104	80-120	3.92	20 20	
Batch 0120812 - Filtration										
Blank (0120812-BLK1)				Prepared: 08	3-Dec-20 4	nalvzed: 11	-Dec-20		<del></del>	
TDS	ND	5.00	mg/L	Tepared. Ve		miyetti. I I	-1/60-20			

# Cardinal Laboratories

\*=Accredited Analy

PLEASE NOTE: Liability and Damages. Circlinal's liability and client's exclusive remedy for any clein advang, whether proces in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligiany other cause whatsoever shall be deemed waived unless made in writing and inversed by Cardinal willbin therty (38) days after completion of the applicable service. In no event shall Cardinal be lable for incidental or consequential or including, winout similation, business interruptions, loss of use, or loss of profits including, winout similation or successors arising out of or incident to the performance of the services interaction or otherwise. Results relate only in the above stated reasons or otherwise. Results relate only in the samples identified move. This report shall not be reproduced approach of Cardinal Laboratories.

Charles Thinks

Color D. Konna Lah Diroctor/Oralih Manager



# Analytical Results For:

ETZ WATER STATION PO BOX 6056 HOBBS NM, 88241 Project: SCHUBERT
Project Number: SCHUBERT #7
Project Manager: BEN DONAHUE

Reported: 15-Dec-20 16:38

Fax To:

# Inorganic Compounds - Quality Control

### Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0120812 - Filtration								•		
LCS (0120812-BS1)				Prepared: (	)8-Dec-20 A	Analyzed: I	1-Dec-20			
TDS	532		nig/L	500		106	80-120			
Duplicate (0120812-DUP1)	Sou	rce: H003187-	03	Prepared: (	08-Dec-20 A	nalyzed: 1	1-Dec-20			
TDS	1090	5.00	mg/L		1160			5.88	20	

Cardinal Laboratories \*=Accredited Analy

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College I Arenn -

Colou D. Koona Lah Diroctor/Ovalihi Managor



### Analytical Results For:

ETZ WATER STATION PO BOX 6056 HOBBS NM, 88241 Project: SCHUBERT
Project Number: SCHUBERT #7

Reported: 15-Dec-20 16:38

Fax To:

# Total Recoverable Metals by ICP (E200.7) - Quality Control

Project Manager: BEN DONAHUE

# Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B202689 - Total Rec. 200,7/200.8/200.2	2									·
Blank (B202689-BLK1)				Prepared: 1	0-Dec-20 A	Analyzed: 1	1-Dec-20			
Magnesium	ND	0.100	mg/L	······						
Sodium	ND	1.00	mg/L							
Potassium	ND	1.00	mg/L							
Calcium	ND	0,100	mg/L							
LCS (B202689-BS1)				Prepared: 1	0-Dec-20 A	Analyzed: 1	1-Dec-20			
Calcium	3.93	0.100	mg/L	4.00		98.2	85-115	1998 1. 4. /		
Potassium	7.99	00.1	mg/L	8.00		99.9	85-115			
Sodium	3.32	1.00	mg/L	3.24		193	85-115			
Magnesium	20.4	0.100	mg/L	20.0		102	85-115			
LCS Dup (B202689-BSD1)				Prepared: 1	0-Dec-20 A	Analyzed: I	1-Dec-20			
Magnesium	20.9	0.100	mg/L	20.0		104	85-115	2.36	20	
Calcium	4.02	0.100	mg/l.	4.00		101	85-115	2.40	20	
Potassium	7.98	1.00	mg/L	8.00		99.8	85-115	0.164	20	
Sodium	3.37	1.00	nig/L	3.24		104	85-115	1.39	20	

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Colleg & Aire

Color D. Koone Lah Director/Quality Manager



### **Notes and Definitions**

-	Estimated coheritration. Analyte concentration between MDL and RL,
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
•	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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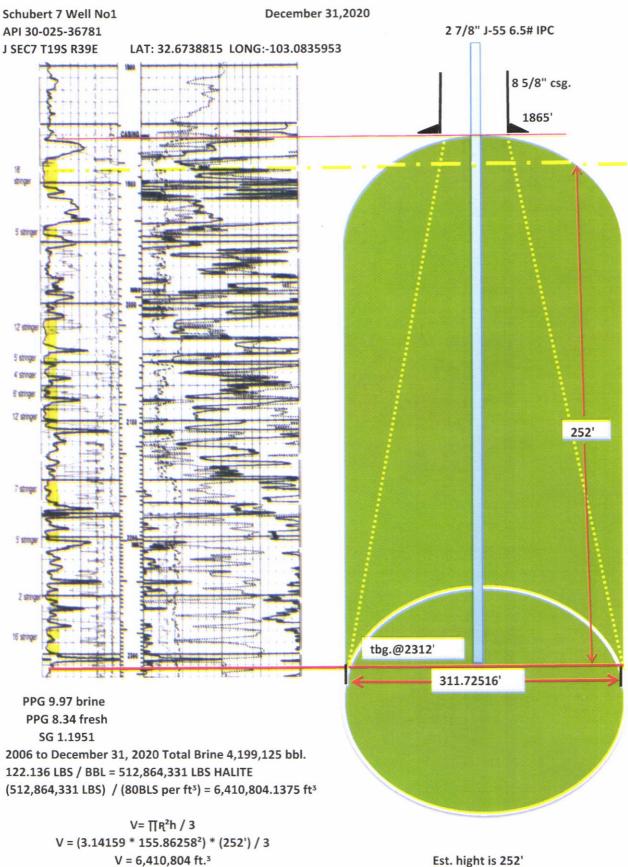
Colou D. Koona Lah Director/Quality Manager



101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476	7/1/20	ANALYSIS REQUEST
Company Name: E12 Wester Steaker	BILL TO	
Project Manager:	P.O. #:	
Address: P.o. 5102	Company:	
city: Hobbs State: NM Zip: 8324	Attn:	
Phone #: 575 343 - 314   Fax #:	Address:	
Project #: Schubea # 7 Project Owner:	City: §	
Project Name: World Somples	City:	
Project Location: Schuher 47 Brine Well	Phone #:	
Project Location: Schools 1	Fax #:	
Sampler Name: Ben Drave	ATRIX PRESERV SAMPLING	
1 1 1 1 1 1		
Tap I.D. CONTAINERS #CONTAINERS GROUNDWATER VASTEWATER VASTEWATER VASTEWATER	3	
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Delivered By. (Directorial)	I Intact (Initials) Thermometer ID #113	Tyes Yes
	Yes Tyes Taermonetter 12 19 19 19 19 19 19 19 19 19 19 19 19 19	No Corrected Temp. "C

<sup>†</sup> Cardinal cannot accept verbal changes. Please email changes to celey,keene@cardinallabsnm.com



Est. hight is 252'
Est. cavern floor diameter is 311.72516'
311.72516 / 1865 = 0.167145 factor value

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 21138

### **COMMENTS**

Operator:			OGRID:	Action Number:	Action Type:
HRC INC P.O.	). Box 5102 H	Hobbs, NM88241	131652	21138	DISCHARGE PLAN BRINE EXTRACTION

Created By	Comment	Comment Date
cchavez	Permittee AR 2020 BW-31 3-18-2021	03/18/2021

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III
1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 21138

### **CONDITIONS OF APPROVAL**

Operator:			OGRID:	Action Number:	Action Type:
	O. Box 5102	Hobbs, NM88241	131652	21138	DISCHARGE PLAN BRINE EXTRACTION

OCD Reviewer	Condition
cchavez	None