BW-031

ANNUAL REPORT

2020

ADDENDUM TO 2020 ANNUAL CLASS III WELL REPORT -ANNUAL CERTIFICATION-

H.R.C. INC.

Schubert 7 Well # 1 (BW-031)

API 30-025-36781

ANNUAL CERTIFICATION

H.R.C. Inc. certifies that continued salt solution mining of the Schubert 7 Well #1 (BW-31) will not cause cavern collapse, surface subsidence, property damage, or otherwise threaten public health and the environment, based on geologic and engineering data.

Signature Frank Block	for H.R.C., Inc. Date 5/5/22
Name GARY M. SCHUBERT	Title Pers.



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 ½" 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 FG 500 Bbl FG 500 Bbl 3" SDR 11 POLLY FRESH WATER FILL BRINE FILL LINE TO TANK FAV FILL **FAW METER** TRIPEX MASTER VALVE BRINE METER TO SALES MONITOR WELL BRINE TRANSHER SCHUBERT 7-1 BRINE WELL

ANULUS

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

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

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 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
pH	7.86	0.100	pH Units	6-05-20	150.1
Sulfate	64.8	10.0	mg/L	6-11-20	375.4

Page 6

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
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 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

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	m a /1	6-10-20	EPA200.7
Magnesium	384		50.0	mg/L mg/L	6-10-20	EPA200.7
Potassium	102	75.8	500		6-10-20	EPA200.7
Sodium	113000	73.0	500	mg/L 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 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.

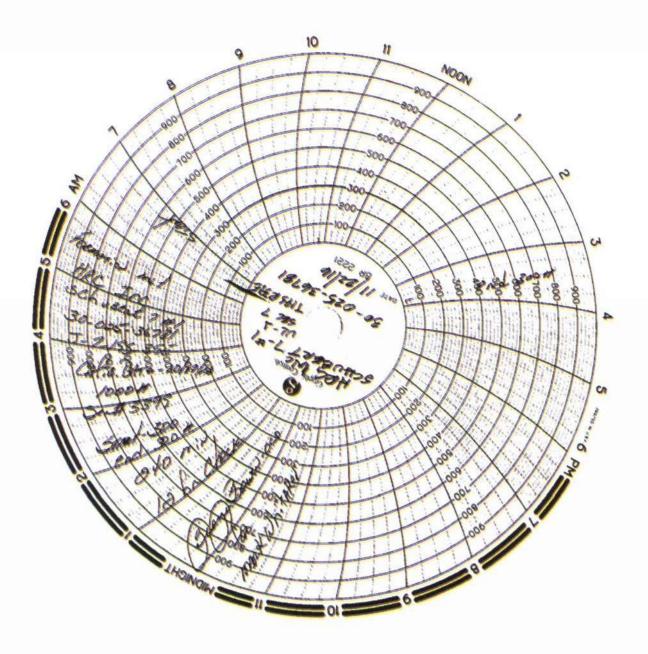
A formation mechanical test was performed on 11/20/16 on the BW-31. Formation Salado was pressured up to 300 psi and was witnessed the chart recorder was started by Mark Whitaker at 8:15 AM for a duration of 4 hours test ended at 12:15PM where the casing valve was closed in it was witnessed by George 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	State of New Mexico	Form C-103
Office District 1 = (575) 393-6161	Energy, Minerals and Natural Resources	Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240 District II = (\$75) 348-1283	All coverby Have Burelay	WELL API NO. 30-025-36781
811 S. First St., Aztesia, NM 88510 District III - (505) 334-6178	OIL CONSERVATION DIVISION 1220 South St. Francis Dr.	S. Indicate Type of Lease
1000 Rio Brazos Rd., Azteo, Nat 87410	Santa Fe, NM 87505	STATE FEE
District IV = (505) 476-3460 1220 S. St. Francis Dr., Santa Se, NM 87505	outilit is the brown	6. State Oil & Gas Lease No.
SUNTRY NOT	CES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR USE APPLIE	SALS TO DRILL OR TO DEEPEN ON PLUG BACK TO A CATION FOR PERMIT" (FORM C-101) FOR SUCH	SCHUBERT 7
	Gas Well (Brine Supply)	8. Well Number 1
2. Name of Operator	The state of the s	9. OGRID Number
H.R.C., Inc.	The state of the s	131652
3. Address of Operator P. O. Box 5102, Hobbs, NM 88	241	10. Pool name or Wildcat BSW-Saldo
4. Well Location	A T C	B3 W-3aid0
	2313 feet from the _South line and _23	13 feet from the East line
Section 7	Township 19S Range 39E	NMPM County Lea
	11. Elevation (Show whether DR. RKB, RT, GR, e	
Carrie of the second	3585 GL	MAKES BELLEVISION
of starting any proposed we proposed completion or recompletion or recompletio	MULTIPLE COMPL CASING/CEME T OTHER: cleted operations. (Clearly state all pertinent details, ork). SEE RULE 19.15.7.14 NMAC. For Multiple (completion.) DESSURE FORMATION TO 3 HUT IN PIA UP CHART RECORDER; OF CHART REC	PAILLING OPNS. PAND A DENT JOB
Spud Date:	Rig Release Date:	,
I harahu aartifi that the Information		1
SIGNATURE LOCALITY	above is true and complete to the best of my knowledge of the best of the second of the best of the be	DATE _11-16-2016
Type or print name Cary M. S. For State Use Only		
APPROVED BY: Conditions of Approval (if any):	TITLE Soniar Engineer	DATE 12/1/2016

MIT BW-31 CHART 11-20-16



Submit 1 Copy To Appropriate District Office	State of New Mexico	Form C-103
District 1 - (575) 393-6161	Energy, Minerals and Natural Resources	WELL API NO.
1625 N. French Dr., Hobbs, NM 88240 District II – (575) 748-1283	OH COLUMNIA TION DIVIDA	30-025-36781
811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease
District III - (505) 334-6178 1000 Rso Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr.	STATE FEE
District IV – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
SUNDRY NOT	ICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLI PROPOSALS.)	ISALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A CATION FOR PERMIT* (FORM (~101) FOR SUCH	Shubert 7
1. Type of Well: Oil Well	Gas Well Other Brine	8. Well Number 1 BW-031
Name of Operator H.R.C., IN	r.	9. OGRID Number 131652
3. Address of Operator		10. Pool name or Wildcat
	102 Hobbs, New Mexico	BSW - Salado
4. Well Location		
Unit Letter J :	2313 feet from the South line and 2313	feet from the <u>East</u> line
Section 7		39E NMPM Lea County
	11. Elevation (Show whether DR, RKB, RT, GR, et	c.i
	3585 GL	等 中国上A40 2007的最高的
12. Check	Appropriate Box to Indicate Nature of Notice	Report or Other Data
		BSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WO	RK ALTERING CASING RILLING OPNS PAND A
PULL OR ALTER CASING	MULTIPLE COMPL CASING/CEME	
DOWNHOLE COMMINGLE	MOETH EL COMP E	1 300
CLOSED-LOOP SYSTEM		
OTHER:	OTHER: Re se	t tubing depth deeper
	oleted operations. (Clearly state all pertinent details, a ork). SEE RULE 19.15.7,14 NMAC. For Multiple Completion.	
Please see the attached report	with this C- 103 of work completed on the S	hubert 7 Well # 1 BW-031.
Please find with this report the	e MIT chart that was conducted on 12/18/202	20
Spud Date:	Rig Release Date:	
I hands assis that the information	about the second and	15.7.5
racicos certify that the information	above is true and complete to the best of my knowled	ige and benef.
SIGNATURE Devid H. Alexande	TITLE Acting Agent for H.R.C., INC	DATE2/5/2021
Type or print name David D. Alex	arado E mail addrare	DHONE: 525 512 1229
	E-man address: gavida00136/a/gmail.c	ORI PHONE: 2/2 313 1238
APPROVED BY:		
SIGNATURE Ducid H. Albarrelo	above is true and complete to the best of my knowled TITLE	DATE 2/5/2021

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 ½" d/c w/BHA shut in BOP SDFN

12/17/2020 Open BOP installed 4 % 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 % " X 3.85' LTC Pin X 4 %" 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 %" 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.

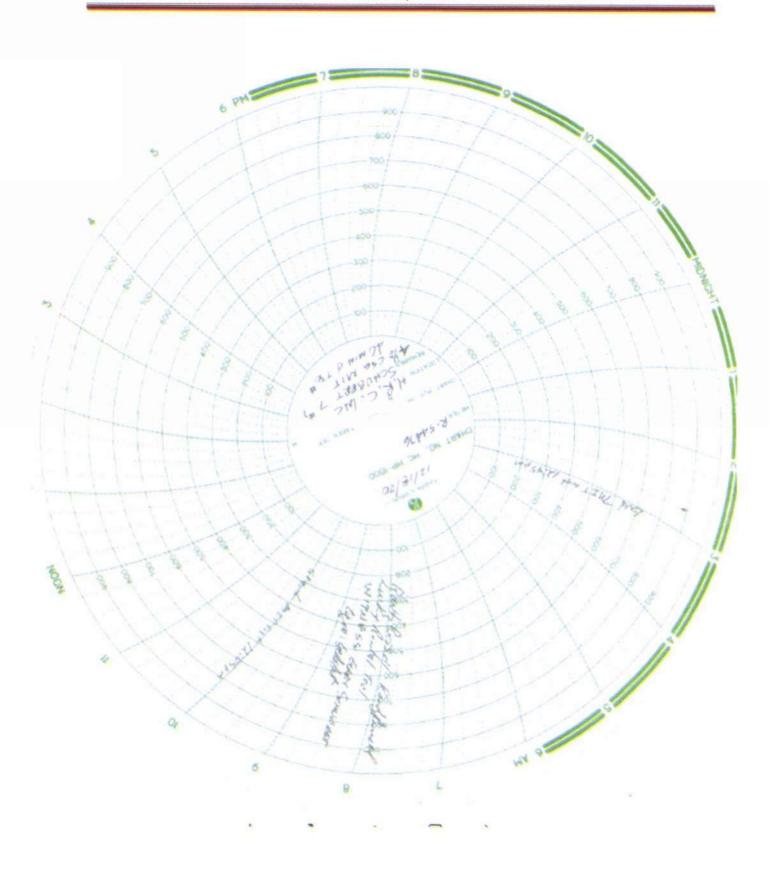
12/19/2020 Open well RIH with Bit to 2048' drilled to 2051', fell out ran to 2074' drill from 2074 – 2076 ran to 2079' continued drilling 2079' – 2081' ran to to 2102', continued drilling from 2102' -2105' fell out continued washing to 2163' got stuck, worked pipe free, could not return back to 2163' 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 drill 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.

H.R.C., Inc.



American Valve & Meter, Inc.

1113 W. BROADWAY

P.O. BOX 166 HOBBS, NM 88240

To:Lucky 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.

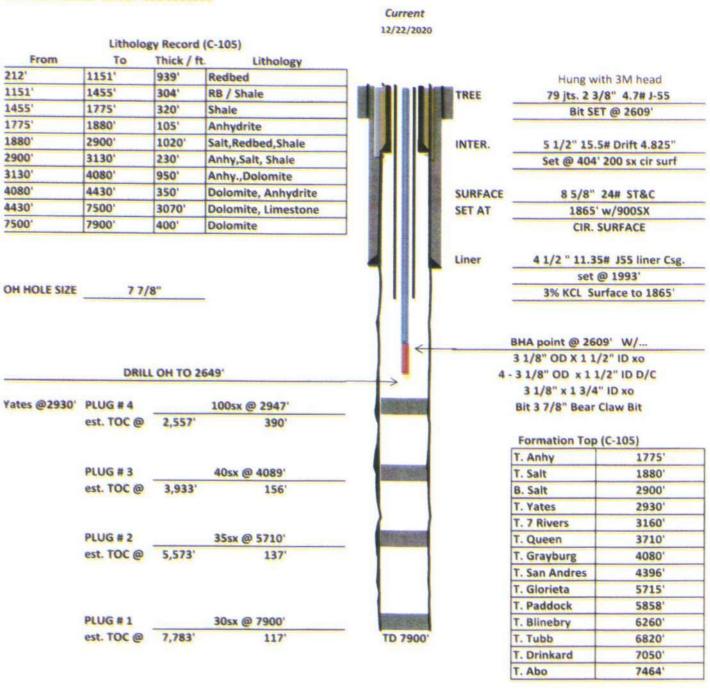
Test	Found	Left	Test	Found	Left		
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Remarks:

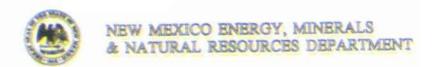
Signature:

SCHUBERT 7 WELL NO. 1 API 30-025-36781 2313 FSL, 2313 FEL J - SEC 7 - T195 - R39E

LAT: 32.6738815 LONG: -103.0835953



State of New Mexico Energy, Minerals and Natural Resources Energy, Minerals and Natural Resources Energy, Minerals and Natural Resources Described in 1995 Natural Resources Energy, Minerals and Natural Resources Described in 1995 Natural Resources Described in 1995 Natural Resources Energy, Minerals and Natural Resources Described in 1995 Natural Resou	Subsect Con To Learning District	прс	W. W. Law Law Co. L. L.	From C 103
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Office State Control		Energy, Minerals and Natu	ral Resources	
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SUNDRY NOTICES AND REPORTS ON WELLS ON NOT USE THIS FORM FOR REPORANCES TO BUILD OR TO DETERM FOR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" COUNCI-011 FOR SLCH PROPOSALSI. 1. Type of Well: Oil Well Gas Well Other Brine 9. OGRID Number 131652 2. Name of Operator 9. OGRID Number 131652 3. Address of Operator 9. OGRID Number 131652 4. Well Location Unit Letter J. 2313 feet from the South line and 2313 feet from the East line Section 7 Township 198 Range 39E NMPM Lea County 11. Elevation (Show whether DR, R&B, RT, GR, etc.) 3885 GL 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTERTION TO: SUBSEQUENT REPORT OF: REMEDIAL WORK ALTERING CASING DOWNHOLE COMMINGLE CLASPOLOGY SYSTEM MULTIPLE COMPL CASING/CEMENT JOB DOWNHOLE COMMINGLE CLOSEO-LOOP SYSTEM THE REPORT OF INTERTION OF INTERTIO	1220 S. St. Francis Dr., Santa Fe, NM			u, state on te das cease w.
DIFFERNT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-161) FOR SLCH PROPOSALS.] 1. Type of Well: Oil Well Gas Well Other Brine S. Well Number BW-31 2. Name of Operator 9. OGRID Number 131652 3. Address of Operator 10. Pool name or Wildcat BSW - Salado 4. Well Location Unit Letter J : 2315 feet from the South line and 2315 feet from the East line Section 7 Township 198 Range 39E NMPM Lea County 11. Elevation /Show whether DR, R&B, RT. GR, etc.) 3885 GL 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON CHANGE PLANS MULTIPLE COMPL OCAMBENCE ORILLING OPNS PAND A CASING/CEMENT JOB DOWN-HOLE COMMINGLE OLASCE-LOOP SYSTEM OTHER: Bradenhead Test Report OTHER: Bradenhead Test Report GASING/CEMENT JOB OTHER 13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. Please find with this report the Bradenhead Test Report conducted 1/4/2021 as per request of OCD District I Kerry Fortner. Spud Date: Rig Release Date: TITLE Acting Agent for H.R.C. INC DATE 2.5:2021 Type or print name David H. Albarado E-mail address: davida[80136/g/gmail.com PHONE: 525.513.1238 TITLE DATE		ICES AND REPORTS ON WELLS		7. Lease Name or Unit Agreement Name
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H.R.C., INC. 3. Address of Operator P.O. Box 5102 Hobbs. New Mexico 4. Well Location Unit Letter J.: 2313 feet from the South line and 2313 feet from the East line Section 7. Township 198 Range 39E NMPM Lea County 11. Elevation (Show whether DR RKE, RT. GR. cic.) 3585 GL. 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK PLUG AND ABANDON CHANGE PLANS COMMENCE DRILLING OPENS PAND A COMM	1. Type of Well: Oil Well	Gas Well Other Brine		
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OIL CONSERVATION DIVISION ALTEC DISTRICT OFFICE 1909 RID BRAZOS ROAD AZTEC NM 61410 (808) 334-4178 FAX: (804) 334-4170 nord state nin us/bod/District M/Jdistric.htm

BRADENHEAD TEST REPORT

OPEN BRADENHEAD AND INTERMEDIATE T PRESSURE Testing Bradenhead INTERM			INTE		FLOW CHARACTERISTICS BRADENHEAD INTERMEDIATE	
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Submit To Appropria Two Copies District I 1625 N. French De . District II	Hobbs, NM 88240	Ener	State of New Mexico Energy, Minerals and Natural Resources			1. WELL API NO.					
District III 1000 Rio Brazos Rd District IV 1220 S. St. Francis D	0 Rto Brazzos Rd. Aztec, NM 87410 1220 South St. Francis street IV 0 S. St. Frances Dr., Santa Fe, NM 87505 Santa Fe, NM 87505 Santa Fe, NM 87505			cis Dr. 505		2. Type of Lease STATE FEE FED/INDIAN 3. State Oil & Gas Lease No.				HAN	
WELL COMPLETION OR RECOMPLETION REPORT AND LOG				PERSONAL PROPERTY.	V SWCVISHA						
4 Reason for film		in boxes #1 through	#31 for State and Fe	ee wells on	ls)		Lease Nan Well Num	SHUBE		lame	
#33; attach this and	d the plat to the C-l		1 through #9, #15 E accordance with 19.			and/or		0.1		BW-0.	31
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or control of control		H.R.C., I	NC.				- Comme	131652			
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12.Location	Unit Ltr Secti	The state of the s	Hobbs, NM 88	Lot	Feet fro	om the	N/S Line	Feet from t	he E/W	Line	County
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BH:	,	/ 193	34E	-	43	13	300111	2313	-	431	Lokert
13. Date Spudded 9-22-04	14 Date T.D. Re 10-7-0	A STATE OF THE PARTY OF THE PAR	e Rig Released CE UNIT RELEASE	ED	16. Date Co 12/22/2020		d (Ready to Prod	duce)		etc.) 3	and RKB. 585 GL
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23.			ASING REC	ORD (N ACIDA DA DE	W. C. L. C. D.
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Intermedia	te	15.5 #	404		8 5/8"		200 S	X CIR. FACE			
24.			LINER RECORD			25	3	UBING RE	CORD		
SIZE	TOP	BOTTOM	SACKS CEN	_	CREEN	_	ZE	DEPTH		PACK	ER SET
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26. Perforation r	7 7/8" O	e. and number) H 1865'- 2609	,		ACID, SHO		AMOUNT /	MENT, SO			
28				PROD	UCTION	1					
Date First Producti		Production Metho	d (Flowing, gas lift.) PUMPING		Size and type pi	штр)	Well Statu	(Prod. or Si	nut-m) RODUCI!	VG	
Date of Test 1/15/2021	Hours Tested 24	Choke Size	Prod'n For Test Period	10	іІ - Вы	Gi	as - MCF	Water - I 860-1000 BRINE		Cias - 0	Oil Ratio
Flow Tubing Press 260 PSI	Casing Pressure 45	Calculated 24 Hour Rate	Oil - Bbl		Gas - MCF		Water - Bbl	Oil	iravity - /	API - (Co	7.)
29. Disposition of	Cas (Sold, used for	fuel vented etc.)						30. Test Wi			
31 List Attachmer	its		WE	LL BORE	SHEMATIC			1 100			

32. If a temporary pit was used at the well, attack SERVICE UNIT RELEASED 12/22/2020	h a plat with the location of the temporary pit.	33. Rig Release Date:	
34. If an on-site burial was used at the well, repo	rt the exact location of the on-site burial		
	Latitude	Longitude	AD83
	own on both sides of this form is true and Printed	d complete to the best of my knowledge and belie	ef
Signature Dunel H. Atharado 2/5/2021	Name DAVID ALVARADO	Title ACTING AGENT FOR H.R.C., INC.	Date:
E-mail Address davidal00136@gr	nail.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

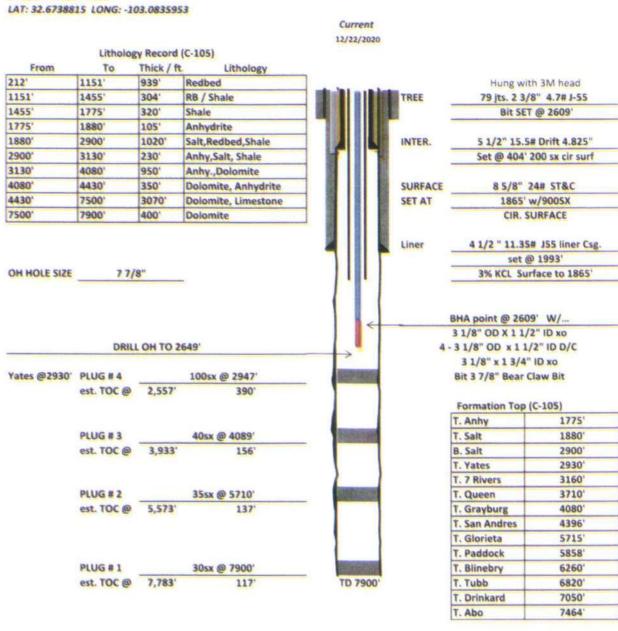
	SOUTHERN	ern New Mexico	Northwestern New Mexico			
f. Anhy	1775	T. Canyon	T. Ojo Alamo	T. Penn A"		
r. Sah	1880	T. Strawn	T. Kirtland	T. Penn. "B"		
3. Salt	2900	T. Atoka	T. Fruitland	T. Penn. "C"		
. Yates	2930	T. Miss	T. Pictured Cliffs	T. Penn. "D"		
7. 7 Rivers	3160	T. Devonian	T. Cliff House	T. Leadville		
f. 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		
F. Paddock	5858	T. Ellenburger	Base Greenhorn	T.Granite		
Blinebry	6260	T. Gr. Wash	T. Dakota			
r.Tubb	6820	T. Delaware Sand	T. Morrison			
. Drinkard	7050	T. Bone Springs	T. Todilto			
r. Abo	7464	T.	T. Entrada			
, Wolfcamp		T	T. Wingare			
f. Penn_		T.	T. Chinle			
Cisco (Bough)	(C)	T.	T. Permian			

	SANDS OR ZONE
No. 1, from	No. 3, fromto
No. 2, fromtoto	No. 4, fromto
IMPORTANT	NATER SANDS
Include data on rate of water inflow and elevation to which wate	r rose in hole.
No. 1, fromto	feet
No. 2, from	feet
No. 3, fromto	feet
	A LANGE BY NA

		THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	LITHOLOGY RECORD	Atta	ich add	utiona	I sheet if n	ecessary)
From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology

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.	
1430	7500	3070	DOLOMITE, LIMESTONE	
7500	7900	400	DOLOMITE	

SCHUBERT 7 WELL NO. 1 API 30-025-36781 2313 FSL, 2313 FEL 1 - SEC 7 - T19S - R39E LAT: 32.6738815 LONG: -103.083595



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.

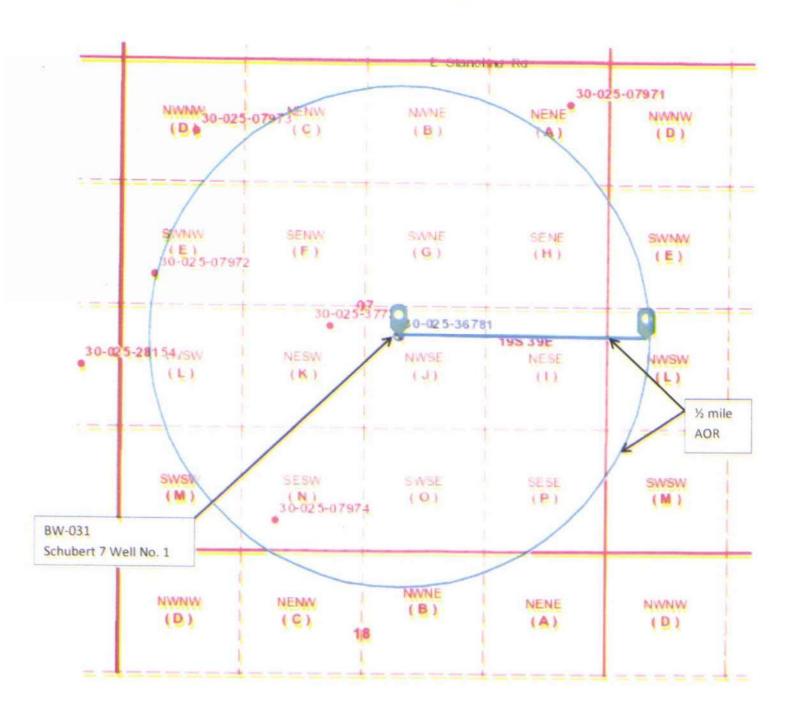
AREA OF REVIEW UPDATE SUMMARY

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.

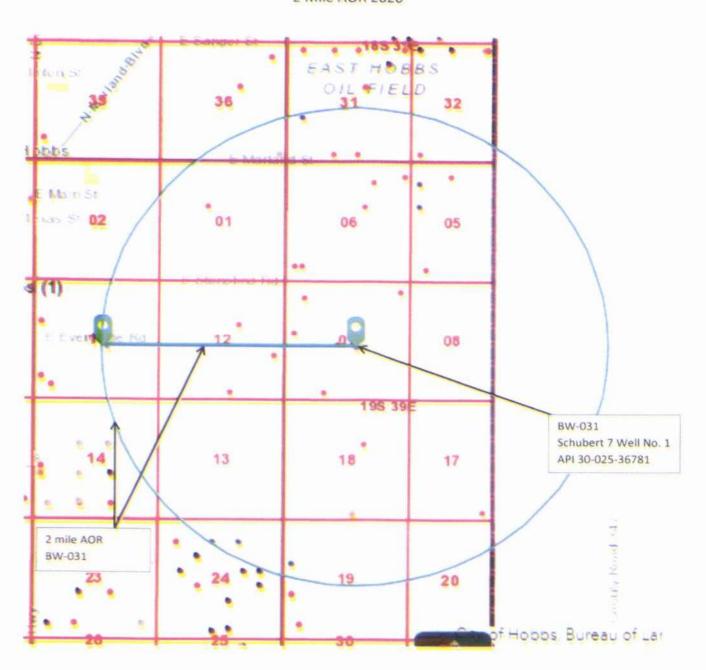
Please find on page 30 a half mile AOR review showing no new permits nor has there been any new wells drilled at this point.

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.³ 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.

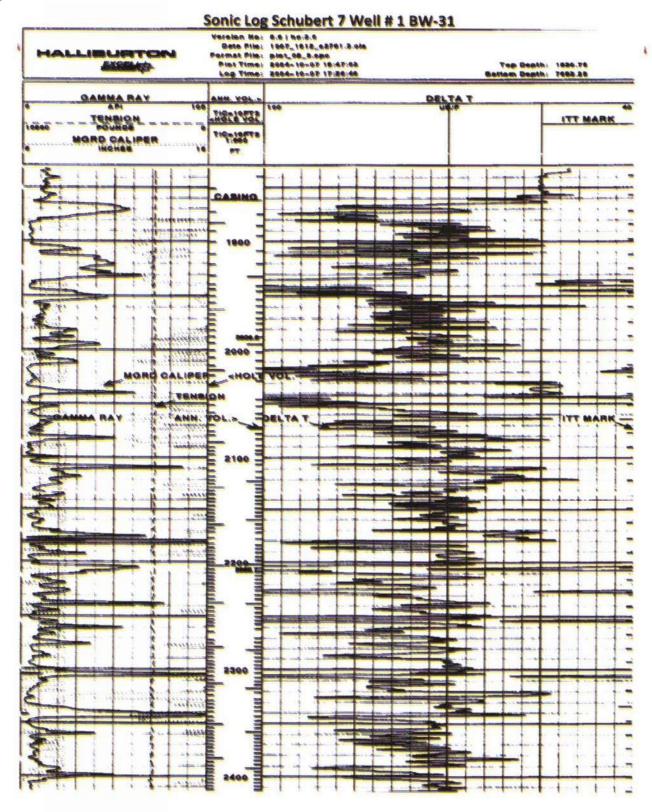
Without a true means of running a log that would allow us to see a true picture behind the anhydrite rock would be questionable. The characterization of the cavern can be mathematically calculated using $V=\Pi R^2h/3$ where $[V=(3.14159*155.86258^2)*(252')/3]$

 $V = 6,410,804 \text{ ft.}^3$ 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 WATER	PSI	RATIO	RATIO %
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. 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
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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.

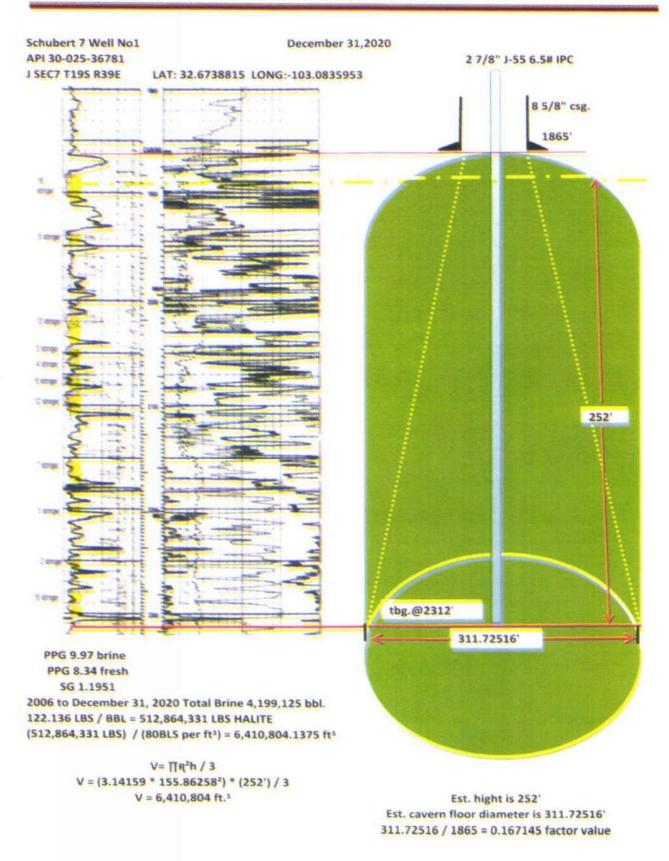
REVISION #	DATE	DESCRIPTION
12	January 15,2019	Resurvey-No Change in Elevations
13	May 7, 2019	Resurvey-No Change in Elevations
14	October 14, 2019	Resurvey-No Change in Elevations
15	January 31, 2020	Resurvey-No Change in Elevations
16	May 12, 2020	Resurvey-No Change in Elevations
17	September 9, 2020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

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.

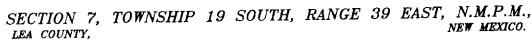


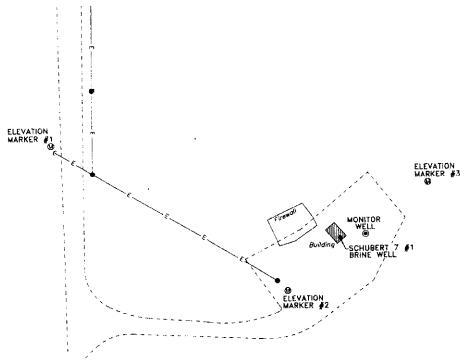
BW - 31

SCHUBERT 7 - WELL # 1

Year 2020

MONTH	BRINE PRODUCTION (BY Meter)	FRESH WATER INJECTED (By Meter)	
January February March April May June July August September October November	10,966 28,034 24,919 11,426 3,492 13,257 7,624 7,645 8,933 5,349 7,213 4,252	10,719 27,840 24,764 11,319 3,435 13,140 7,526 7,538 8,795 5,286 7,086 4,196	

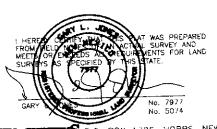




ELEVATION MARKER #4 NOTE: ELEVATIONS ARE ON BLACK MARK ON NORTH SIDE OF PVC CASING.

NEW MEXICO STATE PLANE COORDINATES (NADB3) ELEVATION LA TITUDE LONGITUDE EASTING WELL NOR IHING 103'05'05.71 3591.65 32'40'27.52' 925484.92 611304.81 EM-1 103'05'02.05 3586.37 32'40'25.45" 611100.65 925800.11 EM-2J586.23 103'04'59.79 32'40'26.90" EM−3 611248.41 925991.42 103'05'04.86 3586.94 32'40'23.76" 925561.84 610926.15 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
5	February 5, 2017	RESURVEY-NO CHANGE IN ELEVATIONS
	May 11, 2017	RESURVEY-NO CHANGE IN ELEVATIONS
E	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
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



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

W.O. Number: 35104 Drawn By: K. GOAD

Date: 05-12-2020 Disk: KJG - SCHUBERT MW 35104

H.R.C. INC.

REF: ELEVATION MARKERS

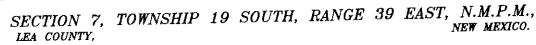
Survey Date: 05-12-2020

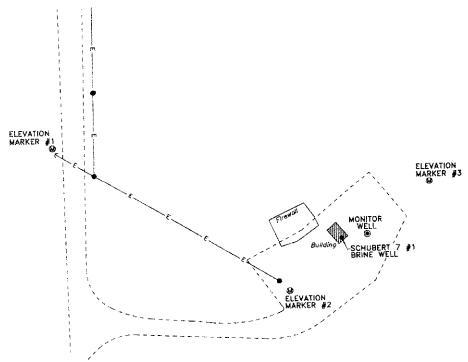
ELEVATION MARKERS LOCATED IN

SECTION 7, TOWNSHIP 19 SOUTH, RANGE 39 EAST,

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

of





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

	NORTHING	NEW MEXICO .	LATITUDE	LONGITUDE	ELEVATION
WELL		925484.92	32'40'27.52"	103'05'05.71"	3591.65
£₩-1	611304.81	925800.11	32'40'25.46"	103'05'02.05"	3586.37
EM-2	511190.65 611248.41	925991,42	32'40'26.90"	103'04'59.79"	3586.23
EM-3 EU-4	610926.15	925561.84	32'40'23.76"	103'05'04.86"	3586,94

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
	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
	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
15	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

W.O. Number: 35187 Drown By: K. GOAD

Date: 09-09-2020 Disk: KJG - SCHUBERT MW 35187

100 0 100 200 FEET

SCALE: 1" = 100'

H.R.C. INC.

REF: ELEVATION MARKERS

ELEVATION MARKERS LOCATED IN

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

Survey Date: 09-09-2020 Sheet 1 of 1 Sheets



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 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 www.tceg.rexas.gov/fiold/ga/lab_accredit.etml.

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 (Colifert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

alight 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.

Sincerety,

Celey D. Keene

Lab Director/Quality Manager

Page 1 of 11



Analytical Results For:

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

Reported; 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

Cardinal Laboratories *=Accredited Analyte

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Charles Contract

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 11



Reported:

15-Jun-20 14:49

Analytical Results For;

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

Project Number: SHUBERT #7 WATER SAMPLES

Project Manager: BEN DONAHUE

nanager: BEN D Fax To:

BRINE WATER H001511-01 (Water)

Agg vac	Rest.ii	MDI	Reporting Lung	1 puts	Diletion	Batch	Analyst	Anuly zed	Method	Notes
			Cardi	rat Laborat	ories					
Inorganic Compounds										
Alkalinity, Bicarbonate	83.0		5.90	וּעִינוּ	1	6043000	At	05-3 ₀₀ -20	316.1	
Alkalinity, Carbonate	00.15		1.00	nag/I	:	0043006	.70	05-Am-20	310.1	
Chloride*) 940(10)		4.00	mga L	1	9052602	GM	05-hm-20	4500-Ct-8	
Conductivity*	276000		1.00	$\mu S(x,0)$:	0000503	AC	05-bas-20	120.1	
pH*	6,99		0.100	pH Umts	;	(96) (954),3	W	05-Jun-20	150 1	
Sulfate*	4010		:250	n-s, I	125	0061004	Ac	11-Jun-20	375.4	
FDS*	32,3000		5,00	inge i	:	0060211	0M	58-Jan-20	160.1	
Alkalinity, Totai*	68.0		4 (30			enulziku.	W	95-36-20	310 1	
			Green Ana	ilytical Lab	oratories					
Total Recoverable Metals by	ICP (E200.7)									
Calcium*	1360		50.0	aug.T.	500	33200973	AFS	ti)-Jun-20	EPA200.7	
Magnesium*	384		50.0	mg/l	500	B200973	APS	10-Jun+20	EPA200.7	
Potassium*	102	75.8	3 (99)	regal.	500	B2009"}	AFS	10-bas-26	EPA200 7	5
Sodium*	113000		500	nget	500	B1009n3	AES	16-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 HOBBS NM, 88241

Project: SCHUBERT

BORNES APS

10-Jun-20 1.PA200.2

Reported: 15-Jun-20 14:49

Project Number: SHUBERT #7 WATER SAMPLES

Project Manager: BEN DONAHUE

Fax To:

FRESH WATER H001511-02 (Water)

Analyte	Resuit	MDI.	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardii	ial Laborat	ories					
Inorganic Compounds										
Alkalinity, Bicarbonate	293		5,00	mg/L	1	0060505	ΔC	05-Jun-20	3(6), 3	
Alkalinny, Carbonate	e F,00		5.00	mgal	;	0060508	AC	05-Jan-20	110.1	
Chloride*	2N8		4 (6)	mg/L		0052603	GM	05-Jan-20	4500-CI-B	
Conductivity*	1730		1.00	oSzene	1	9.050800	AC	95-3un-20	(20,)	
pHt*	7.68		0.100	pil tems	1	96/6503	ΔC	05-Jan-20	150.1	
Sulfate*	205		50.0	mæt.	5	9061196	\mathcal{M}_{i}	!1-Eur-20	375,4	
TDS2	1680		5 (6)	mp/L	1	(8)6/0211	GM	08-Jun-20	16r) I	
Alkahuity, Total*	240		1,062	mgfl	ł	0060-508	M,	95-4an - 26	310.1	
			Green Ana	dytical Lab	oratories					
Total Recoverable Metals by	ICP (E200.7)			.,-						
Calcium	133		0.500	res _e r [*	R200973	AFS	10-Jun-26	E83290.*	
Magnesium*	32.1		9 500	mgd	:	8000073	VES	10-ժոռ-26	EPA200.7	
Potassium ²	14.7	0.748	5 (8)	organi		B200973	MFS	$\{B_{\tau}J_{t},n_{\tau}\}\}$	EPA260 T	

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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Page 4 of 11



Analytical Results For:

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

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

arg 1 5 B200973 AFS

roject Manager: Fax To: Reported: 15-Jun-20 14:49

MONITOR WELL H001511-03 (Water)

Analyte	Result	MOL	Reporting Line.	Lints	Oducon	Buch	Analy-t	Angâyzed	Method	Notes
			Cardir	ial Laborat	ories					
Inorganic Compounds										
Alkalinity, Bicarbonate	215		5,(8)	novel.	ı	0060508	.\(C	65-dus-20	3 (0.1	
Alkalinky, Carbonate	100,12		1,00	mg/s.	i	0480408	AC	05-Jun-20	\$10.1	
Chinride*	56.0		4.00	այժ.	i	0052602	954	05-260-20	4500-C4-B	
Conductivity*	651		1.00	. Sikat	1	08860563	.vc	$\{(j,S-J)_{1,j,1}+2r\}$	520.4	
pH*	7.8h		0.166	old Cours	:	0060503	4C	oredunalti	1501	
Sulfate*	64.8		10.0	mg I	:	0(%) (04	AC	i-"un-70	375.4	
TOS*	43.3		5.30	$m_{\mathcal{S}} 1$	-	F#/60211	GM	98-345-29	(60.4	
Alkalinity, Total*	176		4,00	my L	:	0060568	AC	98 Jun 20	310 (
			Green Ana	lytical Lab	oratories					
Total Recoverable Metals by	ICP (E200.7)									
Calcium*	47,0		0.500	mgoʻl	5	B200973	AES	10-Jun-20	FPA200.7	
Magnesium*	15.1		0.500	mgJ	5	8260973	ALS	10-Jun 20	I:PA200.7	
Potassium*	2.26	9.758	5.09	orgal.	4	182009975	AES	10-Jun 20	BPA200.7	,

3.60

Cardinal Laboratories

Sodium*

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30-Aug-20 1.PA200.5

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Celey D. Keene, Lab Director/Quality Manager

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Page 5 of 11



Analytical Results For:

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

Reported: 15-Jun-20 14:49

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

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

1		Reporting		Spike	Some		"AREC		RPD	
Analyte	Result	Cirmi	Units	Level	Result	%REC.	Limits	RPD	L imit	Notes
Batch 0043006 - General Prep - V	Wet Chem				·/					
Blank (0943006-B1.K1)				Prepared &	Analyzed	30-Apr-20				
Alkalimity, Caroxinate	ND	i 50	nig-1							
Askalinity, Browthoraus	5.00	5.00	1253 \$							
Alkahorts, foral	4,40	4.00	mr i							
LCS (0043006-BS1)				Prepared &	Analyzed:	Ni-Apr-20				
Askatzuty, Carosnarii	80	2.36	ary I				80-170			
Alkalinity, Bicaroonair	240	:2.5	.a. 1				80-120			
Aikalmity, Totai	340	16.0	right.	****		56.0	8(+)20			
LCS Dup (0043006-BSD1)				Prepared &	Analyzed:	30-Apr-20				
Alkafinay, Carbonare	ZD	2.56	ary 1				80-120		20	
Alkalinity, Bicarbonase	330	12.5	my I				30-120	12.0	20	
Afkalining, Tatal	270	(0.0)	ong 1.	5.40		308	80-126	11.8	20	
Batch 0052602 - General Prep - V	Wet Chem									
Blank (0052602-BLK1)				Propaged &	: Analyzed:	26-May-20				
Ovlando	NO	4 041	1994; 1							.,
LCS (0052602-BS1)				Prepared &	Analyzed:	26-May-20				
The state of the s	164		ew i	Prepared &	Analyzed:	26-May -20 16-	S0-120			
LCS (0052602-BS1) Obtainde I CS Dup (0052602-BSD1)	504	4 (n)	eag I)es.	80420			
	104	4 (ni	est i	1.4)es.	80420	(i fet)	20	
Oktoride				Prepared &		26-M-y-26	80-420	ő Gu	20	
Chloride f CS Dup (0 052602-BSD1) Chloride				Prepared &	Analyzed)65. 26-M-y-26 166	\$0-120 \$0-120	5 GO	26	

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Celey D. Keene, Lab Director/Quality Manager

Page 6 of 11

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Analytical Results For:

ETZ WATER STATION PO BOX 6056 HOBBS NM, 88241

Project: SCHUBERT Project Number: SHUBERT #7 WATER SAMPLES

Reported: 15-Jun-20 14:49

Project Manager: BEN DONAHUE

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Sotke	Source		° oRI:C		RPD	
Analyte	Result	Limit	Upgs	Levet	Rosult	GREC	Lunits	सम्ब	Lenit	Notes
Batch 0060211 - Filtration										
LCS (0960211-BS1)				Prepared: (i2-Jun-20 A	nalyzed: 03	3-Jun-20			
Tps	523		ang L	800		105	80-120			
Duplicate (9960211-DUP1)	Sour	ce: H001477	-02	Prepared, (2-Jun-20 A	malyzed: U3	S-Jun-20			
TDS	701	5,60	raspit		724			0.415	20	
Batch 0860503 - General Prep - Wet Chem										
LCS (0060503-BS1)				Prepared K	Analyzed.	05-Jun-20	_			
pil	7.13		pH Caro.	(36)		102	90-117			
Conductivity	(Glane)		uSecuti	(4669)		400	\$0-120			
Duplicate (0060503-DCP4)	Sour	rce: H001511	-() t	Prepared &	. Analyzed	05-Jun-20				
şli	7,6(2	0.100	ris Units		6.94			0.428	20	
Consideritaty	275000	, mix	125 (20)		275000			€ 218	20	
Batch #060508 - General Prep - Wet Chem										
Blank (0060508-BLK1)				Propured A	Analyzed.	: 95-Jun-20				
Vikatinity, Carlyonate	80	. +:0	1991							
Aintimity, Bieuchonnte	5.00	5.00	ne i							
Askationsy, Tetal	1.30	4 -05	mg I							
LCS (6060508-BS1)				Propored A	. Anaiyzed	: 15-hun-20				
Alkaliastic Carbonate	N ()	2.50	ang I				86-136			
Alkahijin, Bizarbanara	\$4 ≤	12.5	mail.				80(120)			
							50-136			

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Reported: 15-Jun-20 14:49

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

Anniyte	Result.	Reporting É mai	tians	Spika Level	Source Result	₩REC:	%REC Umits	660	RPD Louis	Notes
Batch 0060508 - General Prep - Wet	(hem									
LCS Dop (0060508-BSD1)				Prepared &	Analyzed	05-Jun 20				
Alkalinity, Carisonate	80	2.50	nig l				80-120		20	
Afkalinisy Bicarbonate	40%	12.3	mg L				50-120	0.00	20	
Alkalinity, Total	259	V29.81	sag L	280		100	80-120	0.00	20	
Batch 9061104 - General Prep - Wet 6 Blank (0061104-BLK1) Sultan	. Rem	rg h	my, Y	Prepared &	: Analyzed:	11-Jun-20				
UCS (0061164-BS1)	20.0	10.0	rsp.1	Prepared &	: Anaiyzed:	11 Jun-20 189	80-120			
LCS Dup (0061104-BSD1) Suitare	18.5	19 ti	ong I	Proposed &	Anaiyzed	11-Jun-20 94 á	έ(μ.) 20°	r 34	20	

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ettellig. M. Hinne -

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Reported: 15-Jun-20 14:49

Project Manager: BEN DONAHUE

Fax To:

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

Green Analytical Laboratories

, and the second	9	Reporting	1	Sp/cc Level	soarce Resuit	lsRI C	%REC Limits	CISH	RPD Lindt	Notice
Acaists	Result	1 mms	trais	1.0401	rcestin	-5KL K	Emns	3(11)	+ 15455	STACE
Batch B200973 - Total Rec. 200.7/200.8/200.2					w					
Blank (B200973-BLK1)				Prepared; t	ix-Jan-20 A	nalyzed: I	9-Jan-20			
Paussium	ND	1.00	ing T							
Sodium	ND	96.3	rog t.							
Calmen	ND	0,300	nigit							
Magnieshmi	20	0.100	mg-1.							
LCS (B200973-BS1)				Prepared: (08-Jun-20 A	nadyzed. 1	0-Jun-20			
Sodrato	3.35	7.000	ang i	3.24		103	85/115			
Potassium	\$.50	(4)	115 ₇₅ 1	8.06		ton	85-115			
Mogra sinna	20,6	0.100	ang I	200		Įnž	85-115			
Calcineo	4.05	(0.1101)	any, I	ij (ii)		101	35-115			
LCS Dup (B200973-BSD1)				Prepared: ()8-Jun-20 A	natyzed: 1	0hm-36			
Magnesius	.Mi7	it 2604	ma L	2000		101	85-115	2.12	20	
Petasian	8,30	1.00	ma I	8 (1)		104	85,115	2.49	24!	
Specially	3.25	1 (p)	nig i.	3.24		10%	85-115	3.64	20	
Calcina	3.45	0.100	mg i	4.403		93.3	33.115	2.38	241	

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Celey D. Keene, Lab Director/Quality Manager

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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
**	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 $6^{\rm o}{\rm C}$
	Samples reported on an as received easis (wet) unless otherwise noted on report

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PERSON NOTE: THE NOT DEPRHEN. Limited instance and contact reference for executive contact in contact in the contact with a structure of the member. We cancer that any person of any other contact in the contact with a structure entering the contact in the conta

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Celey D. Keene, Lab Director/Quality Manager

Page 10 of 11

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	ANALYSIS REQUEST											
						c)	⊘	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7	/ <	Carrons	
	8/11.70	P.O.#;	Сотрапу:	Attn.	Address.	City	State: Zip:	Phone #:	Fax#:	PRESERV. SAMPLING	DATE:	2000
40 76			3	State: N. N. Zip: 8924 [Cor Shipped	Samples	120		MATRIX	(G)RAR OR (C)OMP. SOIL SOIL SOIL SOIL SOIL SOIL	
101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	ETS Warr Stayor	" Ber Deshie	N		Phone # 245 3494 Fax#	Project Owner.	Project Name: Strubet #7 Worder Sumples State:	1 Schubes of Bive 1	Per Learn		Sample I.D.	Bore Work Fresh Ware Manipo Well
	Company Name	Project Manage	Address: P.C.	City LOTA	Phone #: 25	Project#:	Project Name:	Project Location	Sampler Name:	KIND BUT WITH HOS	Labl.D. #00/S//	2-10 W

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Samusier - UPS - Bus - Cther.	Corrected Temp. "C The The	Thermoneter D 467-441 196
Of sample in the		

्र Cardinal cannot accept verbal changes. Please email changes to deley.Reene@sardinallabsim.com

Page 11 of 11

aboratories



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 www.tceq.texas.gov/field/ga/iab_accred_certif.html.

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

Method EPA 552.2Total Haloacetic Acids (HAA-5)Method EPA 524.2Total Trihalomethanes (TTHM)Method EPA 524.4Regulated 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)

Cely & Kenne

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

Reported:

15-Dec-20 16:38



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ETZ WATER STATION

PO BOX 6056 HOBBS NM, 88241 Project: SCHUBERT

Project Number: SCHUBERT #7

Project Manager: BEN DONAHUE

Fax To:

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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Chilege Estima.

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
			Cardi	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	
pH*	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	
			G A	alytical Labor						

Iotal Recoverable victals b	y ICP (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	H-Dec-20	EPA200.7
Potassium*	153	75.8	500	mg/L	500	B202689	AES	11-Dec-20	EPA200.7
Sodium*	110000		500	mg/L	500	B202689	AES	11-Dec-20	EPA200.7

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Color D. Koopa Lah Diroctor/Oriality Managor



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

FRESH WATER H003188-02 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Not
			Cardi	nal 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	I	0120709	GM	07-Dec-20	310.1	
Chloride*	244		4.00	mg/L	1	0111906	GM	07-Dec-20	4500-C1-B	
Conductivity*	1620		1.00	umhos/cm @ 25°C	1	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, Totai*	184		4.00	mgT,	1	0120709	GM	07-Dec-20	310.1	
			Green An	alytical Labor	rotorios					

10tal 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	$\mathrm{mg/L}$	5	B202689	AE\$	11-Dec-20	EPA200.7	

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Cally I Kima .

Colou D. Voona I sh Director/Auslity 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		00.1	mg/L	F	0120709	GM	07-Dec-20	310.1	
Chloride*	60.0		4.00	mg/L	l	0120708	GM	07-Dec-20	4500-CI-B	
Conductivity*	651		1.00	umhos/cm @ 25°C	1	0120707	GM	07-Dec-20	120.1	
pH*	7.76		0.100	pH Units	J	0120707	GM	07-Dec-20	150.1	
Temperature °C	23.1			pH Units	ŀ	0120707	GM	07-Dec-20	150.1	
Sulfate*	60.1		10.0	mg L	i	0120404	GM	10-Dec-20	375.4	
TDS*	262		5.00	mgʻl.	Į	0120812	GM	11-Dec-20	160.1	
Alkalinity, Total*	172		4.00	mg/1.	í	0120709	GM	07-Dec-20	310.1	

Green Analytical Laboratories

Total Recoverable Metals	s by ICP (E200.7)								
Calcium*	50.0		0.500	mg.L	5	B202689	AES	11-Dec-20	EPA200.7
Magnesium*	16.0		0.500	mg/L	5	B202689	AES	11-Dec-20	EPA200.7
Potassium*	2.20	0.758	5.00	mg/L	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/Oriality 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	RPD	RPD Limit	Notes
Batch 0111906 - General Prep - Wet Chem										
Blank (0111906-BLK1)				Prepared &	: Analyzed:	19-Nov-20)	-		
Chloride	ND	4 00	mg/I.							
LCS (0111906-BS1)				Prepared &	: Analyzed:	19-Nov-20)			
Chloride	100	4.00	mgʻL	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	nalyzed: 1	0-Dec-20			
Sulfate	ND	10.0	mg/L	-1.7.4 (72.7.7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		, 200.				
LCS (0120404-BS1)				Prepared: 0	4-Dec-20 A	nalvzed: 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	nalvzed: 16	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-Dec-20				
Conductivity	102000		uS em	100000	, xxxx, y z. etc.	102	80-120			
рH	7.09		pH Umits	7.00		101	90-110			
Duplicate (0120707-DUP1)	Sou	rce: H003187	-01	Prepared &	Analyzed: ()7-Dec-20				
pH	7.00	0.100	pH Units		6,90			1.44	20	• •
Conductivity	262000	1.00 τ	imhos/em (a		262000			0.305	20	
Temperature °C	23.0		pH Units		23.0			0.00	200	

Cardinal Laboratories

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May M. Harris

Color D. Koopa 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

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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyle	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0120708 - General Prep - Wet Chem							*****			
Blank (0120708-BLK1)				Prepared &	Analyzed	07-Dec-20		****		
Chloride	ND	4 00	mg L		, , , , , , , , , , , , , , , , , , ,	07-DCC-20			· · · · · · · · · · · · · · · · · · ·	
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	
Batch 0120709 - General Prep - Wet Chem										
Blank (0120709-BLK1)				Prepared &	Analyzed	07-Dec-20	····			
Alkalinity, Carbonate	ND	1.00	mg/L		,, , , , , , , , , , , , , , , ,	07-200-20	er samma			
Alkalinity, Bicarbonate	5,00	5.00	mg/L							
Alkalinity, Total	4.00	4.00	mg/L							
LCS (0120709-BS1)				Prepared &	Analyzed	07-Dan-20				
Alkalinity, Carbonate	ND	2.50	mg/L		Titlinyzeu.	07-200-20	 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			07-DCC-20	80-120		20	
Alkalinity, Bicarbonate	318	12.5	mg/L				80-120	4.02	20	
Alkalinity, Total	260	10.0	mg/L	250		104	80-120	3.92	20	
Batch 0120812 - Filtration										
Blank (0120812-BLK1)				Prepared: 08	3-Dec-20 A	palvzeď: 11	-Dec-20			
TDS	ND	5.00	mg/L	1		, 200. 11	200 20			

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PLEASE NOTE: Ciability and Damages. Circlinal's labelity and client's exclusive remedy to: any clein arising, whether proced in contract or text, shall be limited to the amount paid by client for analyses. All claims, including those for negligoany other cause whatspewer shall be deemed wanted unless made in writing and inceived by Cardinal within thirty (30) cavs after completion of the applicable service. In no event shall Cardinal be labele (or incidental or consequential or on the coors measures also be occurred warred which make in record by Cauma million and (a), can million or expendence of the service stem calculate or some to predicting or consequences of including, without familiation, business interruptions, loss of use, or loss of use or carried by Clerifinal, regarders of whether claim is based upon any of the above stated regions or otherwise. Results relate only in the samulas identified above. This report shall not be reproduced except in full with written approved of Cardinal Laboratorios.

Caren T. Hanne -

Colou D. Konno Lah Diroctor/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 0120812 - Filtration										
LCS (0120812-BS1)				Prepared: ()8-Dec-20 A	Analyzed: I	1-Dec-20	****		
TDS	532		mg/L	500		106	80-120			
Duplicate (0120812-DUP1)	Sou	rce: H003187-	-03	Prepared: (08-Dec-20 A	Analyzed: 1	1-Dec-20			
TDS	1090	5.00	nig/l		1160			5.88	20	

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Colony I Marine

Color D Koona Lah Diractor/Quality Managor



Analytical Results For:

ETZ WATER STATION

Project: SCHUBERT

Reported:

PO BOX 6056

Project Number: SCHUBERT #7

15-Dec-20 16:38

HOBBS NM, 88241

Project Manager: BEN DONAHUE

Fax To:

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

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									·
Blank (B202689-BLK1)				Prepared: i	10-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	10-Dec-20 A	Analyzed: 1	1-Dec-20			
Calcium	3.93	0.100	mg/L	4.00		98.2	85-115	······································		
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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College I trans

Color D. Koone Lab Director/Ougliby 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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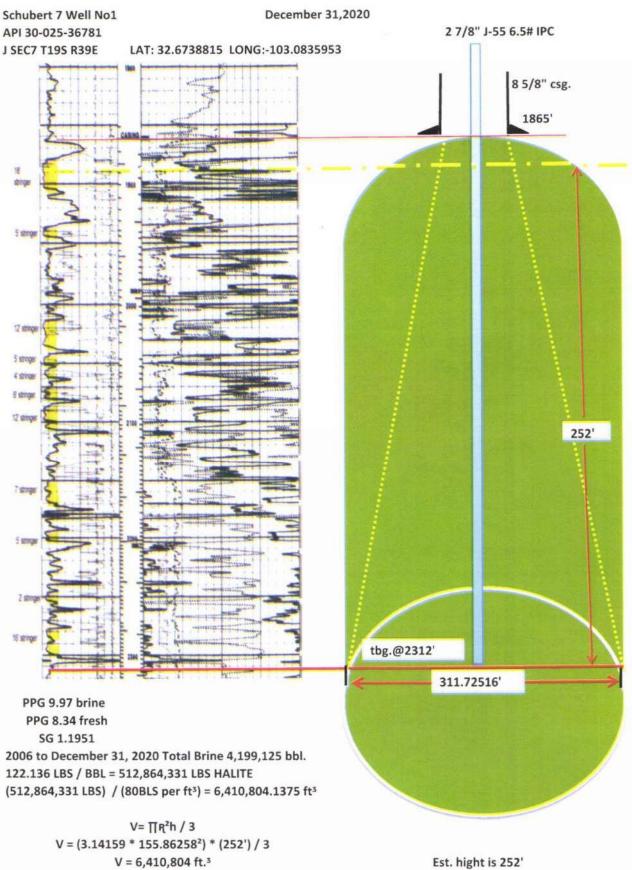
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Colou D. Koopa Lah Diractor/Oualih, Managar

75) 393-2326	101 East Warland, Hobbs, NM 88240	ールフロアルナロアのの	「ススワーミニー

	nges to celey.keene@cardin	jes Please	† Cardinal cannot accept v	Sampler Ora - bus - one:
dard Bacteria (only) Sample Condition Cool Intact Observed Temp *C Ves Yes No Corrected Temp *C	Turnaround Time: Standard Therm-greter IC #113 Correction Factor Name	Sample Condition CHECKED BY: Cool Infact (Initials) Lives (170s -7	Time: Observed Femp. *C A Sen	(Circle O
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		MATRIX PRESERV. SAMPLING		Sampler Name: YOCO LC
	A	Phone #:	Test of one west	Project Location: Schucke
	(ior	State: Zip:	AD PROJECT OWNER.	Project Name: Work Torryces
	\$	Address:		Phone #: 17 2 20 - 20-
		Attn:	State: NM Zip: 8:324	Address: P.O. 5102
		P.O. #	in order	Project Manager:
ANALYSIS KECCES!		BILL TO	NA COLUMN	. 1
			% FAX (575) 393-2476	(676) 393-2326 FAX (575)



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

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

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

District III 1000 Rio Brazos 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 106345

COMMENTS

Operator:	OGRID:
HRC INC	131652
	Action Number:
Hobbs, NM 88241	106345
	Action Type:
	[UF-DP] Discharge Permit (DISCHARGE PERMIT)

COMMENTS

Created I	By Comment Com	Comment Date
cchave	z Annual Report 2020	7/6/2022

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Phone: (575) 393-6161 Fax: (575) 393-0720

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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 106345

CONDITIONS

Operator:	OGRID:
HRC INC	131652
P.O. Box 5102	Action Number:
Hobbs, NM 88241	106345
	Action Type:
	[UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created I	By Condition	Condition Date
cchave	z None	7/6/2022