DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 49TH WING (ACC)
HOLLOMAN AIR FORCE BASE NEW MEXICO

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OCT 20 2016
NMED
Hazardous Waste Bureau

17 October 2016

ADAM M. KUSMAK, GS-13, USAF
Chief, Installation Management Flight (49 CES/CEI)
49th Civil Engineering Squadron (49 CES)
550 Tabosa Avenue
Holloman AFB, NM 88330-8458

New Mexico Environment Department
Attn: Mr. John Kieling, Chief
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Dear Mr. Kieling,

This letter reports the monitoring well plugging activities conducted on 30 September 2016 at Holloman Air Force Base. Nine monitoring wells located at Group 2 and Group 3 underground storage tank (UST) site were plugged in accordance with the Well Plugging Plan of Operations approved by New Mexico Office of the State Engineer (NMOSE) (in a letter dated 2 June 2016). The nine wells include the following:

- Group 2 Building 882 – USTC514-MW01, USTC514-MW02, and USTC514-MW03
- Group 3 Building 300 – USTC500-MW01, USTC500-MW02, and USTC500-MW03
- Group 3 Building 1097 – USTC505-MW01
- Group 3 Building 898 – USTC513-MW01 and USTC513-MW02 (Note: A third well, USTC513-MW03 was included in the plugging plan. The general vicinity of the well was identified and approximately 30 cubic feet of gravel was moved during the hour that was spent attempting to locate the well. The surface completion was not located and the well is presumed destroyed.)

The approved NMOSE Well Plugging Plan of Operations is included in Attachment 1. The Plugging Record submitted to the NMOSE by New Mexico Licensed Well Driller JR Drilling, LLC is included in Attachment 2. This concludes investigation activities at these sites and corrective action is currently complete.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact me at (575) 572-3931 or by email at adam.kusmak@us.af.mil.

Sincerely

Digitally signed by KUSMAK.ADAM.M.1263331806
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USAF, cn=KUSMAK.ADAM.M.1263331806
Date: 2016.10.18 10:56:24 -06'00'

ADAM KUSMAK, GS-13, USAF

Attachments:
Attachment 1 – NMOSE Approved Well Plugging Plan of Operations
Attachment 2 – NMOSE Plugging Report

cc:

(w/ Atch)
Mr. David Strasser
Hazardous Waste Bureau
121 Tijeras Dr. NE, Ste. 1000
Albuquerque NM 87102-3400

(w/o Atch)
Mr. Cornelius Amindyas
Hazardous Waste Bureau
121 Tijeras Dr. NE, Ste. 1000
Albuquerque NM 87102-3400

(w/ CD)
Mr. Chuck Hendrickson
USEPA Region 6 (6PD-F)
1445 Ross Ave, Ste 1200
Dallas TX 75202-2750

(w/o Atch)
Mr. Brian Salem
Hazardous Waste Bureau
121 Tijeras Dr. NE, Ste. 1000
Albuquerque NM 87102-3400

Attachment 1
NMOSE Approved Well Plugging Plan of Operations

Tom Blaine, P.E.
State Engineer

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
District 4 Office

1680 Hickory Loop, Suite J
Las Cruces, New Mexico 88005-6598
Phone: (575) 524-6161
FAX: (575) 524-6160

June 2, 2016

File Number: T-5896, T-6098

Holloman Air Force Base
c/o Deanna Rothhaupt
550 Tabosa Avenue
Holloman AFB, NM 88330

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for monitoring wells T- 5896-POD1, POD4, POD7, POD9, POD13, POD14, POD16, POD21, POD25, POD26, POD30, POD31, POD32, POD44, POD45, POD46, POD55, POD56, POD57, POD58, T-6098-POD1 and POD2 that have been approved subject to the attached conditions. The well driller responsible for plugging the wells must submit a properly completed Plugging Records to this office within **twenty (20) days** after plugging is complete. The required form is enclosed.

If you have any questions, please call this office at 575-524-6161.

Sincerely,

C. Calzada
for

Maria Calzada
Water Resource Specialist
District IV, WRAP

Enclosures

Attachment
Conditions of Approval

Well Plugging Plan of Operations

File No.: T-5896, T-6098

Well Numbers:
T- 5896-POD1, POD4, POD7, POD9, POD13, POD14, POD16, POD21, POD25, POD26, POD30, POD31, POD32, POD44, POD45, POD46, POD55, POD56, POD57, POD58, T-6098-POD1 and POD2

1) Wells T-5896-POD1, POD4, POD7, POD9, POD13, POD14, POD16, POD21, POD25, POD26, POD30, POD31, POD32, POD44, POD45, POD46, POD55, POD56, POD57, POD58, T-6098-POD1 and POD2 shall be plugged using the methods and materials identified in the State Engineer approved Well Plugging Plan of Operations filed on May 6, 2016.

2) A licensed well driller shall keep a record of the plugging work as it progresses and file a complete Plugging Record with the State Engineer no later than **twenty (20) days** after completion of plugging.

3) New Mexico Office of the State Engineer (NMOSE) witnessing of the plugging will not be required unless artesian conditions are encountered, but shall be facilitated if a NMOSE observer is onsite. NMOSE witnessing may be requested during normal work hours by calling the District IV NMOSE office at 575-524-6161 at least 48 hours in advance. NMOSE inspection will occur dependant of personnel availability.

4) Should another regulatory agency sharing jurisdiction of the project authorize or by regulation require more stringent requirements than stated herein, the more stringent procedure shall be followed. This in part includes provisions regarding preauthorization to proceed, type of methods and materials used, inspection, or prohibition of free discharge of any fluid or other material to or from the well that is related to the plugging process.

Witness my hand and seal this 6th day of June 2016.

Tom Blaine, P.E., State Engineer

By: C. Cty for
Maria Calzada
Water Resource Specialist
WRAP, District IV

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WELL PLUGGING PLAN OF OPERATIONS

NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP:

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: see attached table

Name of well owner: Holloman Air Force Base

Mailing address: 49 CES/CEIE 550 Tabosa Avenue

City: Holloman AFB State: NM Zip code: 88330

Phone number: 575-572-3931 E-mail: DeAnna.Rothhaupt@us.af.mil

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: JR Drilling LLC

New Mexico Well Driller License No.: WD1644 Expiration Date: 10-31-2016

IV. WELL INFORMATION: see attached table

Note: A copy of the existing Well Record for the well to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: _____deg, _____ min, _____sec
Longitude: _____deg, _____min, _____sec, NAD 83

2) Reason(s) for plugging well: Site investigation has been completed and approved by the New Mexico Environmental Department.

3) Was well used for any type of monitoring program? No If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? No If yes, provide additional detail, including analytical results and/or laboratory report(s): _____

5) Static water level: _____feet below land surface / feet above land surface (circle one)

6) Depth of the well: _____feet For 5 through 11 please see attached table.

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7) Inside diameter of innermost casing: _____inches.

8) Casing material: _____

9) The well was constructed with:

_____ an open-hole production interval, state the open interval: _____

_____ a well screen or perforated pipe, state the screened interval(s): _____

10) What annular interval surrounding the artesian casing of this well is cement-grouted? _____

11) Was the well built with surface casing? _____If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? _____ If yes, please describe: _____

_____

12) Has all pumping equipment and associated piping been removed from the well? NA _____If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING:

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal.

1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well: The monitoring wells will be plugged in accordance with 19.27.4.30.C NMAC Abandonment shall be accomplished by removing the well pad, bollards, and protective casing and cutting off the casing below ground surface. Fill the casing from the bottom upwards to land surface with cement grout. A New Mexico well plugging report shall be prepared for each well that is abandoned.

2) Will well head be cut-off below land surface after plugging? Yes where applicable.

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant

1) For plugging intervals that employ cement grout, complete and attach Table A.

2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.

3) Theoretical volume of grout required to plug the well to land surface: Variable but approx. 7 gallons

4) Type of Cement proposed: Portland cement - neat

5) Proposed cement grout mix: 5.2 gallons of water per 94 pound sack of Portland cement.

6) Will the grout be: _____batch-mixed and delivered to the site

_____X mixed on site

7) Grout additives requested, and percent by dry weight relative to cement: _____

_____

_____

_____

8) Additional notes and calculations: _____

_____

_____

_____

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

_____

_____

_____

_____

_____

_____

_____

VIII. SIGNATURE:

I, Christopher Lowry, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

_____ 5-5-2016

Signature of Applicant Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

✓ Approved subject to the attached conditions.

_____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 2nd day of June, 2016

Tom Blaine P.E., New Mexico State Engineer

By: _____

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TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	approx. 2 ft.		
Bottom of proposed interval of grout placement (ft bgl)	approx. 35 ft.		
Theoretical volume of grout required per interval (gallons)	variable		
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	5.2		
Mixed on-site or batch-mixed and delivered?	on-site		
Grout additive 1 requested	NA		
Additive 1 percent by dry weight relative to cement	NA		
Grout additive 2 requested	NA		
Additive 2 percent by dry weight relative to cement	NA		

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TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			
Bottom of proposed sealant of grout placement (ft bgl)			
Theoretical volume of sealant required per interval (gallons)			
Proposed abandonment sealant (manufacturer and trade name)			

HOLLOMAN WELL ID	HOLLOMAN LOCATION	NMOSE FILE NO.	NMOSE POINT OF DIVERSION
OTC530-MW01	Building 308	T-5896	T-5896-POD1
OTC531A-MW01	Buildings 920-922	T-5896	T-5896-POD30
OTC531B-MW01		T-5896	T-5896-POD31
OTC531C-MW01		T-5896	T-5896-POD32
OTC533-MW01	Building 1190	T-5896	T-5896-POD4
OTC536-MW01	Building 1199	T-5896	T-5896-POD7
OTC537-MW01	Building 1200	T-6098	T-6098-POD1
OTC538-MW01	Building 1201	T-5896	T-5896-POD9
OTC538-MW02		T-6098	T-6098-POD2
OTC542-MW01	Building 1166	T-5896	T-5896-POD13
OTC543-MW01	Building 1175	T-5896	T-5896-POD44
OTC544-MW01	Building 1176	T-5896	T-5896-POD14
USTC500-MW01	Building 300	T-5896	T-5896-POD16
USTC500-MW02		T-5896	T-5896-POD45
USTC500-MW03		T-5896	T-5896-POD46
USTC505-MW01	Building 1097	T-5896	T-5896-POD21
USTC513-MW01	Building 898	T-5896	T-5896-POD25
USTC513-MW02		T-5896	T-5896-POD55
USTC513-MW03		T-5896	T-5896-POD56
USTC514-MW01	Building 882	T-5896	T-5896-POD26
USTC514-MW02		T-5896	T-5896-POD57
USTC514-MW03		T-5896	T-5896-POD58

Updated list (emailed 5/31/11)

Well ID	Location	NMOSE File No.	NMOSE Point of Diversion	Ltrcode	Coordinates Ncoord	Ecoord	Crdtype	Installation date	Elev (ft)	Depth (ft)	Borehole Diamet	Class	Screen Interval Depth (ft)	Material	Diameter (in)	Remarks
OTCS30 MW01	Building 308	T-05896	1	WL	672370.56	1692286.06	STP	7/17/2012	4047.2	9	7.25	SCRN	4 - 9	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
OTCS31A MW01			30	WL	663365.45	1678169.26	STP	7/10/2012	4048.5	20	10	SCRN	12.7 - 17.7	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
OTCS31B MW01	Buildings 920-922	T-05896	31	WL	668828.57	1678273.94	STP	7/11/2012	4047	20	10	SCRN	14 - 19	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
OTCS31C MW01			32	WL	668288.70	1678381.81	STP	7/13/2012	4046.5	15	10	SCRN	13 - 18	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
OTCS33 MW01	Buildings 1190	T-05896	4	WL	682679.78	1686750.52	STP	6/25/2012	4095.2	30	10	SCRN	24 - 34	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
OTCS36 MW01	Building 1199	T-05896	7	WL	682702.36	1686045.41	STP	6/22/2012	4094.6	35	10	SCRN	27 - 32	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
OTCS37 MW01	Building 1200	T-06098	1	WL	681044.45	1690023.03	STP	12/8/2015		40	8	SCRN	25 - 40	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
OTCS38 MW01	Building 1201	T-05896	9	WL	680940.81	1690045.50	STP	6/29/2012	4109.9	30	10	SCRN	26 - 31	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
OTCS38 MW02		T-06098	2	WL	680979.03	1690024.56	STP	12/10/2015		40	8	SCRN	30 - 40	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
OTCS42 MW01	Building 1166	T-05896	13	WL	686101.34	1672448.18	STP	7/2/2012	4061.6	30	10	SCRN	25 - 30	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
OTCS43 MW01	Building 1175	T-05896	44	WL	685471.69	1671011.13	STP	7/5/2012	4056.1	30	10	SCRN	25 - 30	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
OTCS44 MW01	Building 1176	T-05896	14	WL	685105.05	1670588.04	STP	7/6/2012	4049.5	25	10	SCRN	25 - 30	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
USTCS00 MW01			16	WL	670630.63	1691111.70	STP	8/16/2012	4071.4	20	10	SCRN	11 - 16	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
USTCS00 MW02	Building 300	T-05896	45	WL	670665.62	1691087.28	STP	8/16/2012	4071.3	15	10	SCRN	3 - 8	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
USTCS00 MW03			46	WL	670765.43	1691137.46	STP	8/16/2012	4071.5	15	10	SCRN	10 - 15	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
USTCS05 MW01	Building 1097	T-05896	21	WL	677403.15	1692171.50	STP	7/27/2012	4108.8	30	7	SCRN	20 - 25	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
USTCS13 MW01			25	WL	668995.01	1684953.08	STP	8/2/2012	4054.2	15	10	SCRN	8 - 13	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
USTCS13 MW02	Building 898	T-05896	55	WL	669083.72	1684945.11	STP	8/14/2012	4053.8	20	10	SCRN	9 - 14	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
USTCS13 MW03			56	WL	668981.35	1684922.99	STP	8/14/2012	4054.6	15	10	SCRN	8 - 13	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
USTCS14 MW01			26	WL	673490.84	1682830.07	STP	9/13/2012	4059.6	15	10	SCRN	7 - 12	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
USTCS14 MW02	Building 832	T-05896	57	WL	673466.48	1682799.91	STP	9/13/2012	4059.7	15	10	SCRN	6 - 11	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND
USTCS14 MW03			58	WL	673580.03	1682736.59	STP	9/13/2012	4059.4	15	10	SCRN	6.2 - 11.2	PVC	2	PRE-PACK SCREEN WITH SS MESH AND IA SAND

Attachment 2
NMOSE Plugging Record

PLUGGING RECORD

NOTE: **A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: **T-5896 USTC500** MW-01 POD16, MW-02 POD45, MW-03 POD46, **USTC505** MW-01 POD21, **USTC513** MW-01 POD25, MW-02 POD55, MW-03 POD56, **USTC514** MW-01 POD26, MW-02 POD57, MW-03 POD58

Well owner: Holloman Air Force Base Phone No.: 575-572-3931

Mailing address: 49CES/CEIE 550 Tabosa Ave.

City: Holloman AFB State: NM Zip code: 88330

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: JR Drilling, LLC

2) New Mexico Well Driller License No.: 1644 Expiration Date: 10/31/2018

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Rob Helton

4) Date well plugging began: 9/30/2016 Date well plugging concluded: 9/30/2016

5) GPS Well Location: Latitude: See deg, ____ min, ____ sec
Longitude: Attached deg, ____ min, ____ sec, WGS 84

6) Depth of wells confirmed at initiation of plugging as: See Attached ft below ground level (bgl), by the following manner: WLI

7) Static water level measured at initiation of plugging: Avg. 5.5 to 22.75 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 6/2/2016 Maria Calzada

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	PORTLAND CEMENT TYPE I/II POWDERED BENTONITE	SEE ATTACHED	SEE ATTACHED	1" TREMIE PIPE	SEE ATTACHED

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Rob Helton, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

10/7/2016
Date

					Coordinates										
Well ID	Location	NMOSE File No.	NMOSE Point of Diversion	Ltccode	Ncoord	Ecoord	Crdtype	Installation date	Elev (ft)	Depth (ft)	Borehole Diamet	Class	Screen Interval Depth (ft)	Material	Diameter (in)	Remarks
OTC330-MW01	Building 308	T-05896	1	WL	67237056	1692286.06	STP	7/17/2012	4047.2	9	2.25	SCRN	4 - 9	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
OTC331A-MW01	Buildings 920-922	T-05896	30	WL	66936545	1678169.26	STP	7/10/2012	4048.5	20	10	SCRN	12.7 - 17.7	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
OTC331B-MW01			31	WL	66882857	1678273.94	STP	7/11/2012	4047	20	10	SCRN	14 - 19	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
OTC331C-MW01			32	WL	66828870	1678381.81	STP	7/13/2012	4046.5	15	10	SCRN	13 - 18	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
OTC333-MW01	Buildings 1190	T-05896	4	WL	68267978	1686250.52	STP	6/25/2012	4095.2	30	10	SCRN	24 - 34	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
OTC336-MW01	Building 1199	T-05896	7	WL	68270236	1686045.41	STP	6/22/2012	4094.6	35	10	SCRN	27 - 32	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
OTC337-MW01	Building 1200	T-06098	1	WL	68104445	1690023.03	STP	12/9/2015		40	8	SCRN	25 - 40	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
OTC338-MW01	Building 1201	T-05896	9	WL	68094081	1690045.50	STP	6/29/2012	4109.9	30	10	SCRN	26 - 31	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
OTC338-MW02		T-06098	2	WL	68097903	1690024.56	STP	12/10/2015		40	8	SCRN	30 - 40	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
OTC342-MW01	Building 1166	T-05896	13	WL	68610134	1672448.18	STP	7/2/2012	4061.6	30	10	SCRN	25 - 30	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
OTC343-MW01	Building 1175	T-05896	44	WL	68547169	1671011.13	STP	7/5/2012	4056.1	30	10	SCRN	25 - 30	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
OTC344-MW01	Building 1176	T-05896	14	WL	68510505	1670588.04	STP	7/6/2012	4049.5	25	10	SCRN	25 - 30	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
USTC500-MW01	Building 300	T-05896	16	WL	67063063	1691111.70	STP	8/16/2012	4071.4	20	10	SCRN	11 - 16	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
USTC500-MW02			45	WL	67066562	1691087.28	STP	8/16/2012	4071.3	15	10	SCRN	3 - 8	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
USTC500-MW03			46	WL	67076543	1691137.46	STP	8/16/2012	4071.5	15	10	SCRN	10 - 15	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
USTC505-MW01	Building 1097	T-05896	21	WL	67740315	1692171.50	STP	7/27/2012	4108.8	30	2	SCRN	20 - 25	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
USTC513-MW01	Building 898	T-05896	25	WL	66899501	1684953.08	STP	8/2/2012	4054.2	15	10	SCRN	8 - 13	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
USTC513-MW02			55	WL	66908372	1684945.11	STP	8/14/2012	4053.8	20	10	SCRN	9 - 14	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
USTC513-MW03			56	WL	66898135	1684922.99	STP	8/14/2012	4054.6	15	10	SCRN	8 - 13	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
USTC514-MW01	Building 882	T-05896	26	WL	67349084	1682830.07	STP	9/13/2012	4059.6	15	10	SCRN	7 - 12	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
USTC514-MW02			57	WL	67346648	1682799.91	STP	9/13/2012	4059.7	15	10	SCRN	6 - 11	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND
USTC514-MW03			58	WL	67358003	1682736.59	STP	9/13/2012	4059.4	15	10	SCRN	6.2 - 11.2	PVC	2	PRE-PACK SCREEN WITH SS MESH AND 1A SAND

JR Drilling, LLC
6 Comanche Court
Edgewood, NM 87015
Office: 505.286.7772
Mobile: 505.803.6266
Fax: 505.286.7710
Email: RbJRDril@aol.com

Date: 8/31/2016

RE: Spreadsheet for Mid-Town Chevron

DEPTH	VOLUME PLACED	THEOERETICAL VOLUME	
T-5896 USTC500			
MW-01 POD16 20' TD/2"/PVC	5.5 GAL	3.2 GAL	ALL WELLS UTILIZED A 1" TREMIE COMPLETIONS REMOVED VOID FILLED WITH CONCRETE
MW-02 POD45 15'/2"/PVC	5.0 GAL	2.4 GAL	ALL GPS COORDINATES SUBMITTED CONFIRMED MINIMAL WATER DISPLACEMENT
MW-03 POD46 15'/2"/PVC	4.5 GAL	2.4 GAL	
T-5896 USTC505			
MW-01 POD21 30'/2"/PVC	8.5 GAL	4.8 GAL	
T-5896 USTC513			
MW-01 POD25 15'/2"/PVC	4.0 GAL	2.4 GAL	
MW-02 POD55 20'/2"/PVC	6.0 GAL	3.2 GAL	
MW-03 POD56 UNKNOWN	**UNABLE TO LOCATE**		
T-5896 USTC514			
MW-01 POD26 15'/2"/PVC	4.0 GAL	2.4 GAL	
MW-02 POD57 15'/2"/PVC	4.5 GAL	2.4 GAL	
MW-03 POD58 15'/2"/PVC	4.0 GAL	2.4 GAL	

HOLLOMAN WELL ID	HOLLOMAN LOCATION	NMOSE FILE NO.	NMOSE POINT OF DIVERSION
OTC530-MW01	Building 308	T-5896	T-5896-POD1
OTC531A-MW01	Buildings 920-922	T-5896	T-5896-POD30
OTC531B-MW01		T-5896	T-5896-POD31
OTC531C-MW01		T-5896	T-5896-POD32
OTC533-MW01	Building 1190	T-5896	T-5896-POD4
OTC536-MW01	Building 1199	T-5896	T-5896-POD7
OTC537-MW01	Building 1200	T-6098	T-6098-POD1
OTC538-MW01	Building 1201	T-5896	T-5896-POD9
OTC538-MW02		T-6098	T-6098-POD2
OTC542-MW01	Building 1166	T-5896	T-5896-POD13
OTC543-MW01	Building 1175	T-5896	T-5896-POD44
OTC544-MW01	Building 1176	T-5896	T-5896-POD14
USTC500-MW01	Building 300	T-5896	T-5896-POD16
USTC500-MW02		T-5896	T-5896-POD45
USTC500-MW03		T-5896	T-5896-POD46
USTC505-MW01	Building 1097	T-5896	T-5896-POD21
USTC513-MW01	Building 898	T-5896	T-5896-POD25
USTC513-MW02		T-5896	T-5896-POD55
* USTC513-MW03 UNABLE TO LOCATE		T-5896	T-5896-POD56 *
USTC514-MW01	Building 882	T-5896	T-5896-POD26
USTC514-MW02		T-5896	T-5896-POD57
USTC514-MW03		T-5896	T-5896-POD58