



State of Co
Oil and Gas Conservation Commission



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COGCC

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109

EARTHEN PIT REPORT/PERMIT

This form is to be used for both reporting and permitting pits. Rule 903 describes when a Permit with prior approval, or a Report within 30 days, is required for pits. Submit required attachments and forms.

Complete the
Attachment Checklist

FORM SUBMITTED FOR:

Pit Report Pit Permit

Oper OGCC

Detailed Site Plan	X
Topo Map w/ Pit Location	X
Water Analysis (Form 26)	
Source Wells (Form 26)	
Pit Design/Plan & Cross Sec	X
Design Calculations	X
Sensitive Area Determ.	X
Mud Program	
Form 2A	

OGCC Operator Number: 96850
Name of Operator: Williams Production RMT
Address: 1058 County Rd 215
City: Parachute State: CO Zip: 81635

Contact Name and Telephone:
Karolina Blaney
No: 970 683-2295
Fax: (970) 285-9573

API Number (of associated well): NA OGCC Facility ID (of other associated facility): 149 015 = Fac ID
Pit Location (Qtr Qtr, Sec, Twp, Rng, Meridian): S 102-T7S, R96W, 6TH P.M. KWNW Sec 1
Latitude: 39-29-15.78N 31.471029 Longitude: 108-03-53.67W -108.064932 County: GARFIELD
Pit Use: Production Drilling (Attach mud program) Special Purpose (Describe Use):
Pit Type: Lined Unlined Surface Discharge Permit: Yes No
Offsite disposal of pit contents: Injection Commercial Pit/Facility Name: GRAND VALLEY PIT 2 Pit/Facility No: #2
Attach Form 26 to identify Source Wells and Form 26 to provide Produced Water Analysis results.

Existing Site Conditions

Is the location in a "Sensitive Area?" Yes No **Attach data used for determination.**
Distance (in feet) to nearest surface water: 1715 ground water: 15 145 ft water wells: 2825
LAND USE (or attach copy of Form 2A if previously submitted for associated well) Select one which best describes land use:
Crop Land: Irrigated Dry Land Improved Pasture Hay Meadow CRP
Non-Crop Land: Rangeland Timber Recreational Other (describe):
Subdivided: Industrial Commercial Residential
SOILS (or attach copy of Form 2A if previously submitted for associated well)
Soil map units from USNRCS survey: Sheet No: NA Soil Complex/Series No: 57
Soils Series Name: 57-POTTS-LIDEFONSO COMPLEX Horizon thickness (in inches): A: 0-4 ; B: 4-28 ; C: 28-60
Soils Series Name: 35-POTTS-LIDEFONSO COMPLEX Horizon thickness (in inches): A: 0-8 ; B: 8-60 ; C:
Attach detailed site plan and topo map with pit location.

Pit Design and Construction

Size of pit (feet): Length: 343.1 Width: 265.6 Depth: 15
Calculated pit volume (bbls): 181,418 Daily inflow rate (bbls/day): VARIABLE
Daily disposal rates (attach calculations): Evaporation: NA bbls/day Percolation: NA bbls/day
Type of liner material: SYNTHETIC POLYPROPYLENE ethylene etc Thickness: 60 MIL
Attach description of proposed design and construction (include sketches and calculations).
Method of treatment of produced water prior to discharge into pit (separator, heater treater, other): NA
Is pit fenced? Yes No Is pit netted? Yes No

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.
Print Name: Karolina Blaney Signed: Karolina Blaney
Title: Environmental Specialist Date: 11/8/2010

OGCC Approved: [Signature] Title: Env. Sup. Date: 1/4/2011
CONDITIONS OF APPROVAL, IF ANY: **FACILITY NUMBER: 426955**

See Attached Conditions of Approval

Conditions of Approval – January 4, 2012

Grand Valley Pit # 2; Facility ID: 426955

Pit is constructed in fill. Provide a Professional Engineer (P.E.) stamped review of the as-built construction of the pit and integrity of the pit.

Provide the as-built construction details.

The date provided on the "Sub Grade Acceptance" is the same for the Grand Valley Pit 1, Grand Valley Pit 2, and Grand Valley Pit 3. It appears that the "Sub Grade Acceptance" is applicable for Grand Valley 3. There were apparent weather related issues during the install of the 60 mil liner and 8 ounce textile under liner. Provide an engineering evaluation (by a P.E.) of the liner installation and "Sub Grade Acceptance."

Provide the historical use and maintenance of the pit.

Provide documentation detailing the historical use and maintenance of the pit, including a timeline of significant maintenance events conducted.

Provide an operation and maintenance (O & M) plan and schedule for the pit.

Provide the daily inflow rate and description of how total fluids management is monitored to evaluate for potential loss through the liner system.

Conduct a 72-hour (minimum) hydrostatic integrity test of the liner system and submit a P.E. review and evaluation of the results of the test.

Leak detection is required for this pit (Rule 904.e.). Provide design and implementation details for leak detection system.

Provide the geologic/hydrogeologic evaluation of the facility which was provided to Garfield County.

Submit Requested information above by March 1, 2012.

Fischer, Alex

From: Blaney, Karolina [Karolina.Blaney@williams.com]
Sent: Monday, May 09, 2011 10:31 AM
To: Fischer, Alex
Subject: Williams - Grand Valley Pits coordinates - for the Form 15s approval

Alex,

During the last form 15 meeting you asked for the correct coordinates for the three Grand Valley pits in order to get the Form 15 applications approved.

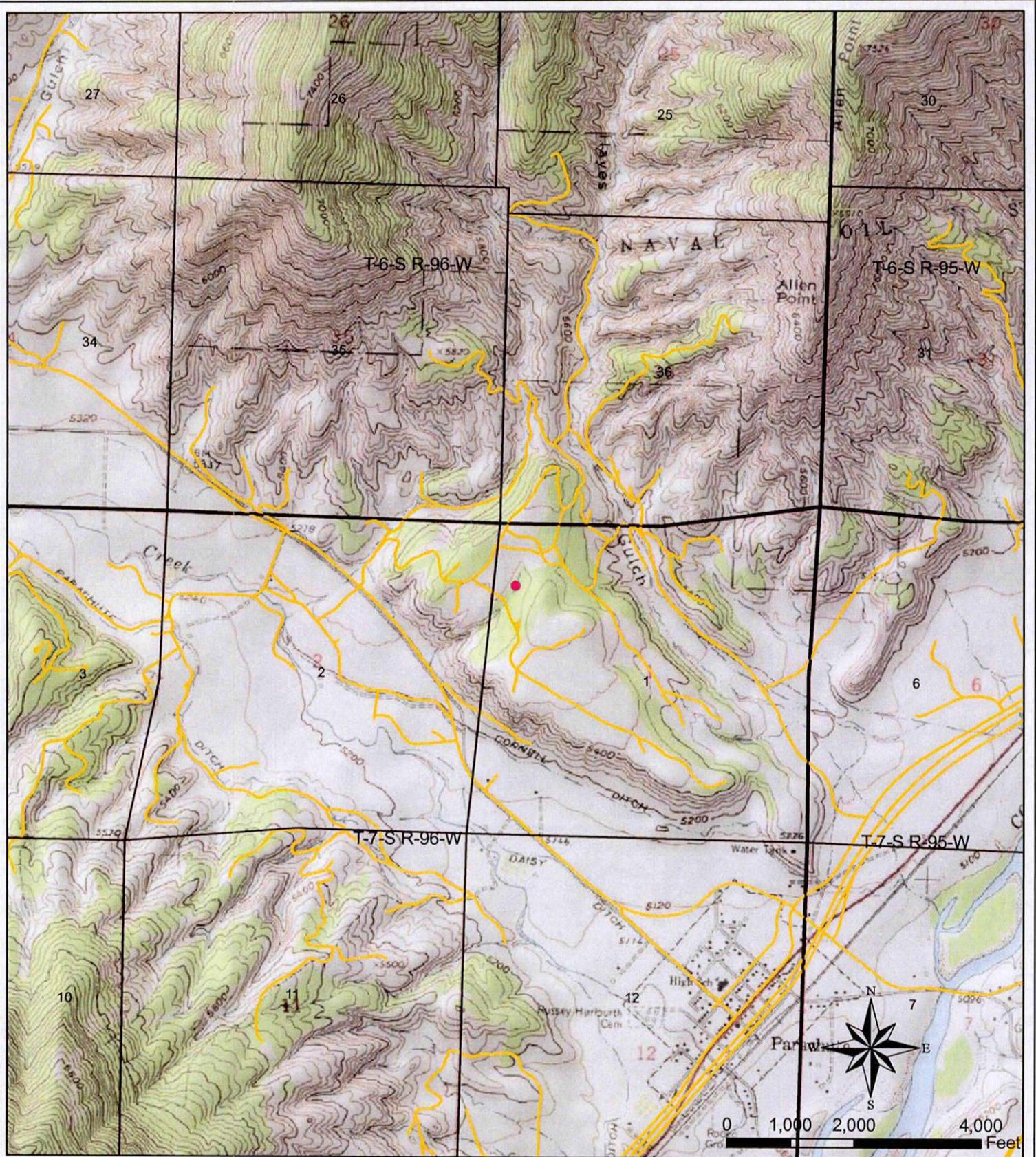
Here are the coordinates:

Grand Valley Pit #1 :	39.471484	-108.066295
Grand Valley Pit #2:	39.471029	-108.064932 ✓
Grand Valley Pit #3:	39.469651	-108.065376

Please let me know if you need anything else.

Thank you and have a great day,

Karolina Blaney
Environmental Specialist
Williams Production R.M.T.
Office: (970) 683-2295
Cell: (970) 589-0743
Fax: (970) 285-9573
karolina.blaney@williams.com



- Legend**
- Pit
 - Road

Williams Production RMT



Pit Location Map

March 18, 2009

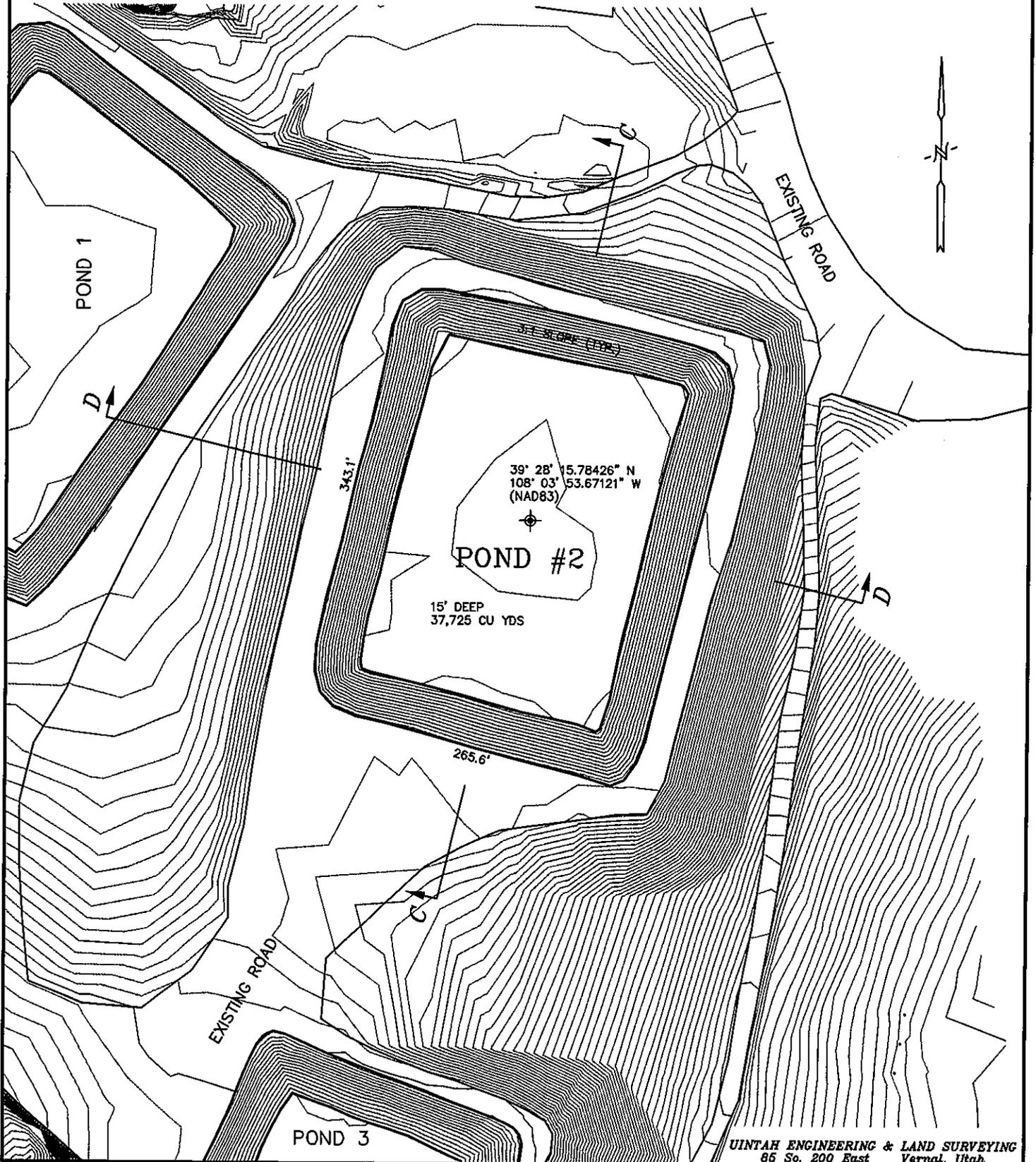
WILLIAMS PRODUCTION RMT
PARACHUTE WATER HANDLING FACILITY

SHEET 1 OF 2

POND #2 (AS-BUILT DRAWING)

LOCATED IN THE NW 1/4 NW 1/4 OF
SECTION 1, T7S, R96W, 6th P.M.

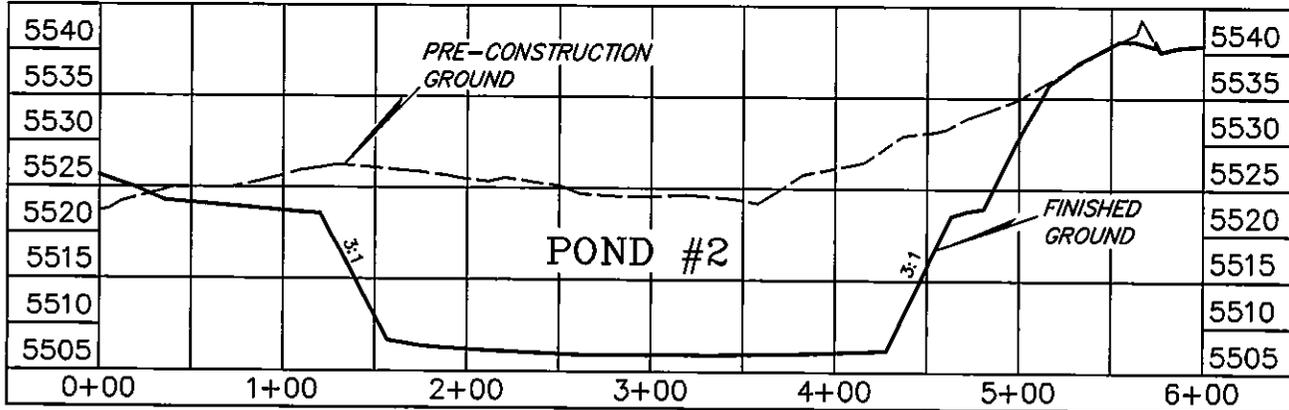
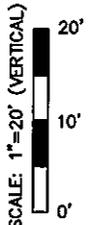
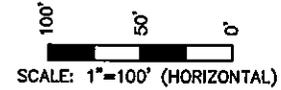
100' 50' 0'
SCALE: HORIZONTAL
& VERTICAL
DATE: 10-28-10
Drawn By: D.G.W.



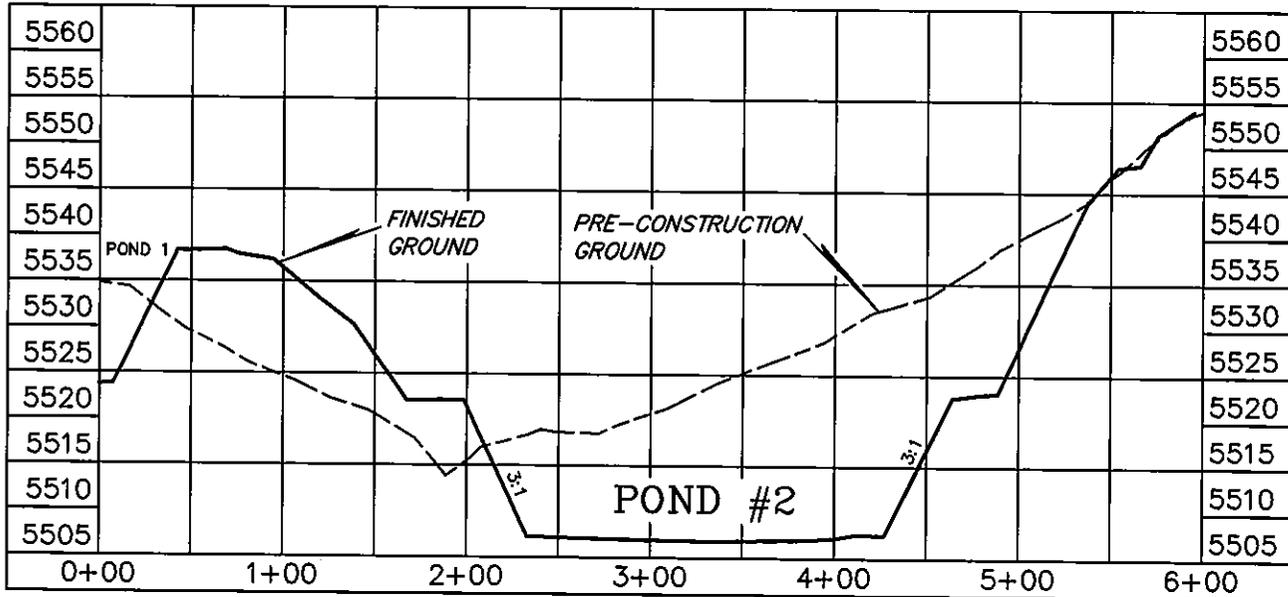
WILLIAMS PRODUCTION RMT
PARACHUTE WATER HANDLING FACILITY

POND #2 (AS-BUILT DRAWING)
LOCATED IN THE NW 1/4 NW 1/4 OF
SECTION 1, T7S, R96W, 6th P.M.

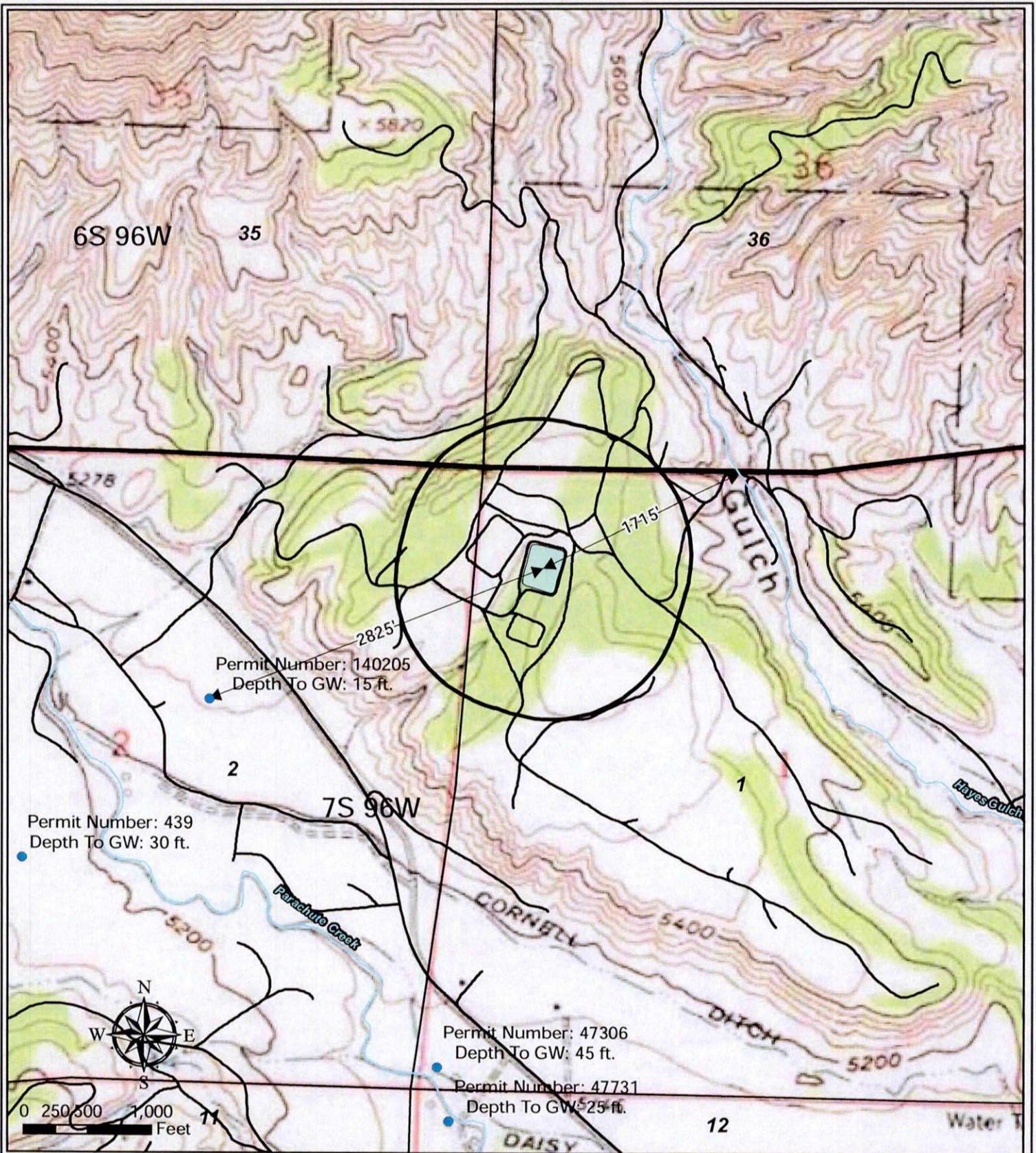
SECTION C-C



SECTION D-D



POND #2:
CAPACITY (FULL):
181,418 BBLs (37,725 CUBIC YARDS)
CAPACITY (WITH 2' FREEBOARD):
150,933 BBLs (31,368 CUBIC YARDS)



Legend

- Water Well
- Stream
- Distance Vector
- Existing Road
- 1000' Buffer
- Produced Water Pond

Williams Production RMT



Produced Water Pond Hydrology Map
T7S R96W, Section 1

Sensitive Area Determination Checklist

Williams Production RMT Company		
Person(s) conducting inspection	Mark E. Mumby	11/8/2010
Site Information		
Location:	Grand Valley Pond 2	Time:
Type of Facility:	Produced Water Storage Pond	
Environmental Conditions		
Temperature (°F)		

Has the proposed, new or existing location been designated as a sensitive area?

Yes No

SURFACE WATER

1. Are there any surface water features or SWSAs adjacent to or within ¼ mile of the proposed/new or existing facility?

Yes No

If yes, list type of surface water feature(s), i.e. rivers, creeks, streams, seeps, springs, wetlands: One unnamed ephemeral drainage

If yes, describe location relative to facility: The unnamed ephemeral drainage is located ~760 feet south southwest of the existing facility

2. Could a potential release from the facility reach surface water features?

Yes No

If yes, describe the pathway a release from the facility would likely follow to determine if the potential to impact surface water is high or low.

3. Is the potential to impact surface water from a facility release high or low?

High Low



GROUNDWATER

1. Will the proposed/new or existing facility have any pits which will contain hydrocarbons and chlorides or other E&P wastes?

Yes No

If yes, List the pit type(s): Produced Water Storage Pond

2. Is the site of the proposed facility underlain by an unconfined aquifer or recharge zone?

Yes No

3. Is the hydraulic conductivity of the underlying soil or geologic material $\leq 1.0 \times 10^{-7}$ cm/sec?

Yes No

4. Is the proposed facility located within 1/8 mile of a domestic water well or 1/4 mile of a public water supply well which would use the same aquifer?

Yes No

5. Is the proposed facility located within a 100 year floodplain?

Yes (*Sensitive Area*) No (*If no, proceed to question #6.*)

6. Is the depth to groundwater known?

Yes (*If yes, follow instructions provided in 5(a) of this section.*)

No (*If no, follow instructions provided in 5(b) of this section.*)

(a) If yes, could a potential release from the proposed facility reach groundwater?

Yes No

If yes, explain:

(b) If no:

(i) Evaluate surrounding soils, topography, and vegetation which may suggest the presence of shallow groundwater.

(ii) Gather information from surrounding well data in order to determine a depth to groundwater, i.e. State Engineers Office.

(iii) Drill a soil boring to determine depth to groundwater or

(iv) Model hydro geologic conditions to determine if the potential to impact groundwater is high or low.

7. Is the potential to impact ground water from the facility in the event of a release high or low?

High Low

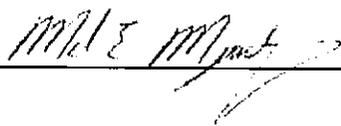


Additional Comments:

There is one surface water feature that was indentified during a previous site visit and desk top review. The surface water features was identified as an unnamed ephemeral drainage. The unnamed ephemeral drainage is shown on the older topographical maps to be within 500 feet of the existing facility. By COGCC decision this would place the facility within a sensitive area. However, with the construction of the three produced water ponds; the ground surface has been recontoured and the drainage as it is shown on the topographical map no longer exists. The distance to the remnants of the drainage to the south southeast of the facility is now approximately 760 feet away. A potential release if it were to migrate out of the pond would tend to migrate to the flat lying areas adjacent to the pond. Therefore the potential for a release to reach the remnants of the ephemeral drainage to the south of the facility would be practically non-existent.

Groundwater data from the state engineer's office indicates that there are no permitted water wells within ¼ mile of the existing facility. The closest permitted water well is 2,825 feet to the southwest of the facility. Based on observations during a previous site visit, field data collected from recent site investigation activities, and pit construction, it appears that the depth to groundwater, if present, in the immediate vicinity of the facility is at a depth greater than 50 feet. The pond is also lined further reducing any potential to impact groundwater.

Based on the information collected during the previous site investigation and desktop review, the potential to impact surface water features has been deemed to be low to practically non-existent high. Based on the topographical setting of the proposed facility the potential to impact ground water has been deemed low as well. Therefore the proposed facility should be designated as being in a non-sensitive area.

Inspector Signature(s):  Date: 11/8/2010

LINER SPECIFICATIONS

High Density Polyethylene Smooth Liner™



Product Data

Property	Test Method	Values				
Thickness (min. ave.), mil (mm)	ASTM D5199*	30 (.75)	40 (1.0)	60 (1.5)	80 (2.0)	100 (2.5)
Thickness (lowest indiv.), mil (mm)	ASTM D5199*	27 (.68)	36 (.90)	54 (1.35)	72 (1.80)	90 (2.25)
*The thickness values may be changed due to project specifications (i.e., absolute minimum thickness)						
Density, g/cc, minimum	ASTM D792, Method B	0.94	0.94	0.94	0.94	0.94
Tensile Properties (ave. both directions)	ASTM D6693, Type IV					
Strength @ Yield (min. ave.), lb/in width (N/mm)	2 in/minute	66 (11.6)	88 (15.4)	132 (23.1)	176 (30.8)	220 (38.5)
Elongation @ Yield (min. ave.), % (GL=1.3in)	5 specimens in each direction	13	13	13	13	13
Strength @ Break (min. ave.), lb/in width (N/mm)		120 (21)	160 (28)	240 (42)	320 (56)	400 (70)
Elongation @ Break (min. ave.), % (GL=2.0in)		700	700	700	700	700
Tear Resistance (min. ave.), lbs. (N)	ASTM D1004	23 (102)	30 (133)	45 (200)	60 (267)	72 (320)
Puncture Resistance (min. ave.), lbs. (N)	ASTM D4833	60 (267)	80 (356)	120 (534)	160 (712)	190 (845)
Carbon Black Content (range in %)	ASTM D4218	2-3	2-3	2-3	2-3	2-3
Carbon Black Dispersion (Category)	ASTM D5596	Only near spherical agglomerates for 10 views: 9 views in Cat. 1 or 2, and 1 view in Cat. 3				
Stress Crack Resistance (Single Point NCTL), hours	ASTM D5397, Appendix	300	300	300	300	300
Oxidative Induction Time, minutes	ASTM D3895, 200°C, 1 atm O ₂	≥100	≥100	≥100	≥100	≥100
Melt Flow Index, g/10 minutes	ASTM D1238, 190°C, 2.16kg	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0
Oven Aging	ASTM D5721	80	80	80	80	80
with HP OIT, (% retained after 90 days)	ASTM D5885, 150°C, 500psi O ₂					
UV Resistance	GRI GM11	20hr. Cycle @ 75°C/4 hr. dark condensation @ 60°C				
with HP OIT, (% retained after 1600 hours)	ASTM D5885, 150°C, 500psi O ₂	50	50	50	50	50

These product specifications meet or exceed GRI's GM13

Supply Information (Standard Roll Dimensions)

Thickness		Width		Length		Area (approx.)		Weight (average)	
mil	mm	ft	m	ft	m	ft ²	m ²	lbs	kg
30	.75	23	7	803.8	245	18,461	1,715	3,050	1,383
40	1.0	23	7	649.6	198	14,919	1,386	3,075	1,395
60	1.5	23	7	419.9	128	9,645	896	3,006	1,364
80	2.0	23	7	321.5	98	7,384	686	3,067	1,391
100	2.5	23	7	249.3	76	5,727	532	3,006	1,364

Notes:

All rolls are supplied with two slings. All rolls are wound on a 6 inch core. Special roll lengths are available on request.
All roll lengths and widths have a tolerance of ±1%

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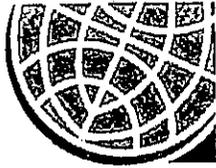
LINER TEST



Installation Reports

for

Hayes Evap Pit



Daily Installation Report

Date: 6/2/09
Project: HAYES EVAP PIT POND 2
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Installation Supervisor: ROGER BARNES
Material: 60 MIL HDT, 8 OZ TEXTILE

Fusion Weld X Extrusion Weld

DAILY SEAM STRENGTH TEST

Date of Test	Time of Test	Ambient Air Temp.	Unit Temp	Pre-Heat Temp	Unit Speed	Peel Value (lb/in)	Shear Value	Welding Tech	Unit No.	Pass/Fail
6/2/09	6:15	53	800		6.5	132/136	173	RG	0033	P
						123/132	171			
						127/120				
6/2/09	6:20	53	800		7.0	111/119	144	JH	1548	P
						114/127	161			
						147/116				
6/2/09	10:20	69	800		7.9	129/127	154	RG	1547	P
						123/117	154			
						114/119				
						/				
						/				
						/				

DAILY RECAP

Quantity Installed	Weather	Contract Labor Hours	Equipment Maintenance / Greasing
	80&SUNNY & WINDY & RAINY	0	T-300

Comments: PULLED IN LINER ALL DAY UNTIL ABOUT 3:00PM WHEN THE WIND AND THE RAIN STARTED. LOST ¼ OF LAST PANEL. SANDBAGGED EVERYTHING.



Daily Installation Report

Date: 6/5/09
 Project: HAYES EVAP PIT POND 2
 Owner: WILLIAMS PRODUCTION
 Engineer:
 Contractor: MB CONSTRUCTION
 Installation Supervisor: ROGER BARNES
 Material: 60 MIL HDT, 8OZ TEXTILE

Fusion Weld X Extrusion Weld X

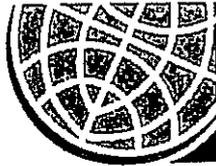
DAILY SEAM STRENGTH TEST

Date of Test	Time of Test	Ambient Air Temp.	Unit Temp.	Pre-Heat Temp.	Unit Speed	Peel Value inside/outside	Shear Value	Welding Tech.	Unit No.	Pass/Fail
6/5/09	6:00	56	800		6.2	105/136	136	JH	1548	P
						112/133	130			
						126/135				
6/5/09	6:00	56	800		7.0	123/126	147	RG	1547	P
						120/122	152			
						120/127				
6/5/09	8:00	66	500	450		111/	150	SS	1549	P
						114/	145			
						114/				
6/5/09	1:00	81	500	400		110/	144	SS	1549	P
						98/	142			
						111/				

DAILY RECAP

Quantity Installed	Weather	Contract Labor Hours	Equipment Maintenance / Greasing
0	81&CLOUDY& &WINDY	0	T-300

Comments: RAN TIE IN, AIRTESTED, REPAIRED & V-BOXED. PICKED UP TRASH, RE-SANDBAGGED THE TOE AND LAST PANEL .ALL LINER 100%. WE STILL NEED TO DO THE BOOT BUT THE PIPE IS NOT IN YET. GOING TO LAY LINER AND TEXTILE IN MORNING.



Daily Installation Report

Date: 6/6/09
Project: HAYES EVAP PIT POND 2
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Installation Supervisor: ROGER BARNES
Material: 60 MIL HDT, 8OZ TEXTILE

Fusion Weld X Extrusion Weld X

DAILY SEAM STRENGTH TEST

Date of Test	Time of Test	Ambient Air Temp	Unit Temp	Pre-Heat Temp	Unit Speed	Peel Value In#/Out#/In	Shear Value	Welding Tech	Unit No	Pass/Fail
6/6/09	8:30	67	800		7.0	126/128	153	JH	1662	P
						125/121	147			
						119/137				
6/6/09	8:45	67	800		8.0	138/142	145	RG	1547	P
						134/140	146			
						138/130				
6/6/09	1:35	74	500	400		128/	143	SS	1549	P
						111/	142			
						143/				
						/				
						/				
						/				

DAILY RECAP

Quantity Installed	Weather	Contract Labor Hours	Equipment Maintenance/Greasing
	80&WINDY	0	T-300

Comments: PULLED TEXTILE TILL 8:30 UNROLLED THE LAST PANEL THAT BLEW AWAY. RESET IT AND CLEANED ALL MUD OFF. RAN THAT SEAM AND PULLED IN 2 PANELS. WINDY AFTER LUNCH SO WE DID REPAIRS FOR THE REST OF DAY. THE POND SHOULD BE BLACKED OUT IN MORNING



Daily Installation Report

Date: 6/7/09
Project: HAYES EVAP PIT POND 2
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Installation Supervisor: ROGER BARNES
Material: 60 MIL HDT, 8OZ TEXTILE

Fusion Weld X **Extrusion Weld**

DAILY SEAM STRENGTH TEST

Date of Test	Time of Test	Ambient Air Temp.	Unit Temp.	Pre-Heat Temp.	Unit Speed	Peel Value <small>(Inch/Minute)</small>	Shear Value:	Welding Tech.	Unit No.	Pass/Fail
6/7/09	6:00	58	800		6.7	112/132	138	JH	1662	P
						117/137	153			
						117/122				
						/				
6/7/09	6:00	58	800		7.0	151/128	174	RG	1547	P
						141/129	166			
						142/134				
						/				
						/				
						/				
						/				
						/				

DAILY RECAP

Quantity Installed	Weather	Contract Labor Hours	Equipment Maintenance / Greasing
	60&RAINY&	WINDY	T-300

Comments: ONSITE 6:00 LAID LAST TWO LONG PANELS. INSTALLED HALF THE EAST WALL. OFFSITE AT 10:00AM DUE TO RAIN AND WIND. WE HAD RAIN OFF AND ON THE WHOLE MORNING.



Daily Installation Report

Date: 6/8/09
Project: HAYES EVAP PIT POND 2
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Installation Supervisor: ROGER BARNES
Material: 60 MIL HDT, 80Z TEXTILE

Fusion Weld X Extrusion Weld

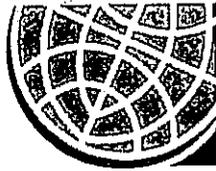
DAILY SEAM STRENGTH TEST

Date of Test	Time of Test	Ambient Air Temp	Unit Temp	Pre-Heat Temp	Unit Speed	Peel Value <small>Inch/Outside</small>	Shear Value	Welding Tech	Unit No.	Pass/Fail
6/8/09	6:00	52	800		7.0	129/123	161	RG	1547	P
						131/121	167			
						139/129				
						/				
6/8/09	6:00	52	800			130/130	143	JH	1662	P
						127/121	153			
						127/129				
						/				
						/				
						/				
						/				
						/				

DAILY RECAP

Quantity Installed	Weather	Contract Labor Hours	Equipment Maintenance / Greasing
	79&WINDY	0	T-300

Comments: PULLED THE REST OF LINER FOR POND#2. TOO WARM FOR TIE IN SANDBAGGED AND PICKED TRASH. FILLED SANDBAGS AND PULLED IN TEXTILE IN POND#3.



Daily Installation Report

Date: 6/9/09
Project: HAYES EVAP PIT POND 2
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Installation Supervisor: ROGER BARNES
Material: 60 MIL HD 8OZ TEXTILE

Fusion Weld X Extrusion Weld X

DAILY SEAM STRENGTH TEST

Date of Test	Time of Test	Ambient Air Temp.	Unit Temp.	Pre-Heat Temp.	Unit Speed	Peel Value Inside/Outside	Shear Value	Welding Tech.	Unit No.	Pass/Fail
6/9/09	6:00	58	800		6.4	120/138	141	JH	1662	P
						120/122	147			
						112/123				
6/9/09	6:00	58	800		7.0	127/125	156	RG	1547	P
						129/126	158			
						123/123				
						/				
6/9/09	8:00	65	500	400		110/	145	JL	1549	P
						111/	155			
						107/				
						/				
						/				

DAILY RECAP

Quantity Installed	Weather	Contract Labor Hours	Equipment Maintenance/Greasing
0	80&SUNNY	RAIN IN AFTERNOON	T-300

Comments: RAN EAST TIE IN, AIRTESTED AND REPAIRED & V-BOXED. MOVED EXCESS SANDBAGS OUT OF POND. STAGED IN POND#3 AND PICKED UP ALL TRASH ON THE SITE. ONE CORNER OF THE TEXTILE IN 3 BLEW AWAY. PULLED THAT BACK IN AND PLACED MORE SANDBAGS ON IT. STARTED THE BOOTS BUT THEN IT RAINED SO WE WERE OFFSITE AT 3:00PM.



Daily Installation Report

Date: 6/10/09
Project: HAYES EVAP PIT POND 2
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Installation Supervisor: ROGER BARNES
Material: 60 MIL HDT, 80Z TEXTILE

Fusion Weld _____ Extrusion Weld X

DAILY SEAM STRENGTH TEST

Date of Test	Time of Test	Ambient Air Temp.	Unit Temp.	Pre-Heat Temp.	Unit Speed	Peel Value (lb/foot)	Shear Value	Welding Tech.	Unit No.	Pass/Fail
6/10/09	6:56	52	500	400		110/ 100/ 100/	170 166	JL	1549	P
6/10/09	12:00	80	500	350		109/ 104/ 106/ / / / / /	146 150	JL	1549	P

DAILY RECAP

Quantity Installed	Weather	Contract Labor Hours	Equipment Maintenance/Greasing
0	80&SUNNY & RAIN		T-300

Comments: ONSITE AT 6:00AM RAIN SO WE DID NOT PULL LINER. WAITED FOR ½ HR AND THE RAIN STOPPED SO WE WORKED ON THE BOOTS AND MOVED ALL LINER, SANDBAGS AND THE TRAILERS FROM LAYDOWN YARD TO A NEW ONE. DICK NEEDED ME, TOO, SO HE COULD MOVE DIRT. THEY STAGED OUT THE REST OF SANDBAGS IN POND#3. PICKED UP TRASH, ALL LINER IS 100%. WE ARE GOING TO START LINER IN POND#3 IN MORNING. WE DID HAVE RAIN OFF AND ON ALL DAY BUT SUBGRADE STILL LOOKS GOOD.



Daily Installation Report

Date: 6/7/09
Project: HAYES EVAP PIT POND 2
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Installation Supervisor: ROGER BARNES
Material: 60 MIL HDT, 8OZ TEXTILE

Fusion Weld X **Extrusion Weld**

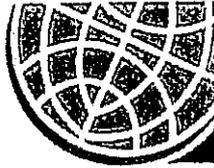
DAILY SEAM STRENGTH TEST

Date of Test	Time of Test	Ambient Air Temp.	Unit Temp.	Pre-Heat Temp.	Unit Speed	Peel Value: <small>Inside/Outside</small>	Shear Value	Welding Tech.	Unit No.	Pass/Fail
6/7/09	6:00	58	800		6.7	112/132	138	JH	1662	P
						117/137	153			
						117/122				
						/				
6/7/09	6:00	58	800		7.0	151/128	174	RG	1547	P
						141/129	166			
						142/134				
						/				
						/				
						/				
						/				
						/				

DAILY RECAP

Quantity Installed	Weather	Contract Labor Hours	Equipment Maintenance / Greasing
	60&RAINY&	WINDY	T-300

Comments: ONSITE 6:00 LAID LAST TWO LONG PANELS. INSTALLED HALF THE EAST WALL. OFFSITE AT 10:00AM DUE TO RAIN AND WIND. WE HAD RAIN OFF AND ON THE WHOLE MORNING.



Daily Installation Report

Date: 6/8/09
Project: HAYES EVAP PIT POND 2
Owner: WILIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Installation Supervisor: ROGER BARNES
Material: 60 MIL HDT, 8OZ TEXTILE

Fusion Weld: X **Extrusion Weld:**

DAILY SEAM STRENGTH TEST

Date of Test	Time of Test	Ambient Air Temp	Unit Temp	Pre-Heat Temp	Unit Speed	Peel Value (in/lb) (in/out)	Shear Value	Welding Tech	Unit No	Pass/Fail
6/8/09	6:00	52	800		7.0	129/123	161	RG	1547	P
						131/121	167			
						139/129				
						/				
6/8/09	6:00	52	800			130/130	143	JH	1662	P
						127/121	153			
						127/129				
						/				
						/				
						/				
						/				
						/				

DAILY RECAP

Quantity Installed	Weather	Contract Labor Hours	Equipment Maintenance / Greasing
	79&WINDY	0	T-300

Comments: PULLED THE REST OF LINER FOR POND#2. TOO WARM FOR TIE IN SANDBAGGED AND PICKED TRASH. FILLED SANDBAGS AND PULLED IN TEXTILE IN POND#3.



Daily Installation Report

Date: 6/9/09
Project: HAYES EVAP PIT POND 2
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Installation Supervisor: ROGER BARNES
Material: 60 MIL HD 80Z TEXTILE

Fusion Weld X Extrusion Weld X

DAILY SEAM STRENGTH TEST

Date of Test	Time of Test	Ambient Air Temp.	Unit Temp.	Pre-Heat Temp.	Unit Speed	Peel Value In#/lb/in	Slicer Value	Welding Techs	Unit No.	Pass/Fail
6/9/09	6:00	58	800		6.4	120/138	141	JH	1662	P
						120/122	147			
						112/123				
6/9/09	6:00	58	800		7.0	127/125	156 158	RG	1547	P
						129/126				
						123/123				
						/				
6/9/09	8:00	65	500	400		110/	145	JL	1549	P
						111/	155			
						107/				
						/				
						/				

DAILY RECAP

Quantity Installed	Weather	Contract Labor Hours	Equipment Maintenance / Greasing
0	80&SUNNY	RAIN IN AFTERNOON	T-300

Comments: RAN EAST TIE IN, AIRTESTED AND REPAIRED & V-BOXED. MOVED EXCESS SANDBAGS OUT OF POND. STAGED IN POND#3 AND PICKED UP ALL TRASH ON THE SITE. ONE CORNER OF THE TEXTILE IN 3 BLEW AWAY. PULLED THAT BACK IN AND PLACED MORE SANDBAGS ON IT. STARTED THE BOOTS BUT THEN IT RAINED SO WE WERE OFFSITE AT 3:00PM.



Daily Installation Report

Date: 6/10/09
Project: HAYES EVAP PIT POND 2
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Installation Supervisor: ROGER BARNES
Material: 60 MIL HDT, 8OZ TEXTILE

Fusion Weld Extrusion Weld

DAILY SEAM STRENGTH TEST

Date of Test	Time of Test	Ambient Air Temp.	Unit Temp.	Pre-Heat Temp.	Unit Speed	Peel Value (lb/ft)	Shear Value	Welding Tech.	Unit No.	Pass/Fail
6/10/09	6:56	52	500	400		110/ 100/ 100/ /	170 166	JL	1549	P
6/10/09	12:00	80	500	350		109/ 104/ 106/ / / / / /	146 150	JL	1549	P

DAILY RECAP

Quantity Installed	Weather	Contract Labor Hours	Equipment Maintenance / Greasing
0	80&SUNNY & RAIN		T-300

Comments: ONSITE AT 6:00AM RAIN SO WE DID NOT PULL LINER. WAITED FOR 1/2 HR AND THE RAIN STOPPED SO WE WORKED ON THE BOOTS AND MOVED ALL LINER, SANDBAGS AND THE TRAILERS FROM LAYDOWN YARD TO A NEW ONE. DICK NEEDED ME, TOO, SO HE COULD MOVE DIRT. THEY STAGED OUT THE REST OF SANDBAGS IN POND#3. PICKED UP TRASH, ALL LINER IS 100%. WE ARE GOING TO START LINER IN POND#3 IN MORNING. WE DID HAVE RAIN OFF AND ON ALL DAY BUT SUBGRADE STILL LOOKS GOOD.



Quality Control Air Testing
POND#2

Project: HAYES EVAP PIT
 Owner: WILLIAMS PRODUCTION
 Engineer:
 Contractor: MB CONSTRUCTION
 Supervisor: ROGER BARNES
 Material: 60 MIL HDT, 8OZ TEXTILE

Date of Test	Start Time	End Time	Seam No.	Seam Length	A C	A L	V B	S T	Pass/Fail	Welding Technician	Welder No.	Welder Speed	Welder Temp.
6/5/09	7:40	7:45	7-9	0-29	X				30-29	W TIE IN RG	1547	7.0	800
"	7:43	7:48	6-8	29-58	X				30-29	"	"	"	"
"	8:00	8:05	1-5	58-85	X				30-29	"	"	"	"
"	8:05	8:10	1-4	85-107	X				30-30	"	"	"	"
"	8:12	8:17	1-3	107-130	X				30-30	"	"	"	"
"	8:20	8:25	1-2	130-153	X				30-29	"	"	"	"
"	8:25	8:30	1-10	153-175	X				30-30	W TIE IN CONT. JH	1548	7.0	800
"	8:26	8:31	1-11	175-197	X				30-29	"	"	"	"
"	8:30	8:35	1-12	197-220	X				30-30	"	"	"	"
"	8:33	8:38	1-13	220-226	X				30-30	"	"	"	"
"	8:44	8:49	13-16	226-248	X				30-29	"	"	"	"
"	8:53	8:58	14-16	248-260	X				30-30	"	"	"	"
"	9:00	9:05	14-17	260-278	X				30-29	"	"	"	"
"	9:18	9:23	15-17	278-283	X				30-29	W TIE IN END JH	1548	7.0	800
"	8:43	8:48	1-16	52'	X				30-30	S WALL TO W TIE IN JH	1548	7.0	800
"	8:55	9:00	16-17	23'	X				30-29	" JH	"	"	"
"	7:55	8:00	1-8	56'	X				30-30	N WALL TO W TIE IN JH	"	"	"
"	7:40	7:45	8-9	27'	X				30-30	RG	0033	6.5	800
"	7:44	7:49	6-7	34'	X				30-30	WEST WALL	"	"	"
"	8:00	8:05	5-6	56'	X				30-30	" JH	1548	7.0	800
"	8:03	8:08	4-5	54'	X				30-30	W WALL CONT. RG	0033	6.5	800

AC=Air Channel Test AL=Air Lance Test VB=Vacuum Box Test ST=Spark Test



Quality Control Air Testing

Project: HAYES EVAP PIT POND 2
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Supervisor: ROGER BARNES
Material: 60 MIL HDT 8OZ TEXTILE

Date of Test	Start Time	End Time	Seam No.	Seam Length	A C	A L	V B	S T	Pass/Fail	Welding Technician	Welder No.	Welder Speed	Welder Temp.
6/5/09	8:07	8:12	3-4	54'	X				30-29	W WALL CONT. JH	1548	7.0	800
"	8:20	8:25	2-3	53'	X				30-30	" RG	0033	6.5	800
"	8:21	8:26	2-10	52'	X				30-29	" JH	1548	7.0	800
"	8:26	8:31	10-11	53'	X				30-30	" RG	0033	7.0	800
"	8:30	8:35	11-12	54'	X				30-30	" JH	1548	7.0	800
"	8:35	8:40	12-13	54'	X				30-30	" RG	0033	6.5	800
"	8:53	8:58	13-14	37	X				30-29	" JH	1548	7.0	800
6/5/09	9:10	9:15	14-15	10'	X				30-30	W WALL END JH	"	"	"
"	9:37	9:43	1-18	47'	X				30-29	FLOOR JH	1548	7.0	800
"	9:25	9:30	1-18	47-240	X				30-30	"	"	"	"
"	"	"	18-19	284'	X				30-29	FLOOR CONT. RG	1547	7.0	800
"	9:40	9:45	19-20	138'	X				30-30	" JH	1548	7.0	800
"	"	"	19-21	149'	X				30-30	JH	"	"	"
"	"	"	20-21	23'	X				30-29	CROSS JH	"	"	"
"	9:53	9:58	20-22	138'	X				30-30	FLOOR JH	"	"	"
"	"	"	21-23	149'	X				30-30	"	"	"	"
"	10:30	10:35	22-24	232	X				30-30	" RG	1547	8.0	800
"	10:25	10:30	23-24	56'	X				30-30	"	"	"	"
"	10:00	10:05	22-23	23'	X				30-29	CROSS RG	1547	"	"
"	10:00	10:05	21-23	56'	X				30-30	FLOOR JH	1548	7.0	800
6/6/09	1:20	1:25	24-25	64'	X				30-29	FLOOR CONT. RG	1547	7.5	800

AC=Air Channel Test AL=Air Lance Test VB=Vacuum Box Test ST=Spark Test



Quality Control Air Testing

Project: HAYES EVAP PIT POND 2
 Owner: WILLIAMS PRODUCTION
 Engineer:
 Contractor: MB CONSTRUCTION
 Supervisor: ROGER BARNES
 Material: 60 MIL HDT 8OZ TEXTILE

Date of Test	Start Time	End Time	Seam No.	Seam Length	A C	A L	V B	S T	Pass/Fail	Welding Technician	Welder No.	Welder Speed	Welder Temp.
6/6/09	1:15	1:20	24-26	204'	X				30-29	FLOOR RG	1547	7.5	800
"	"	"	25-26	23'	X				30-29	CROSS RG	"	"	"
"	1:45	1:50	27-25	64'	X				32-31	FLOOR JH	1662	6.5	800
"	1:27	1:32	26-28	171'	X				30-28	"	"	"	"
"	1:50	1:55	26-28	75'	X				31-29	"	"	"	"
"	"	"	27-28	23'	X				32-31	CROSS RG	1547	6.5	800
"	1:57	2:03	28-29	75'	X				32-31	FLOOR CONT. RG	"	"	"
6/6/09	1:53	1:58	27-29	18'	X				31-30	"	"	"	"
6/9/09	7:15	7:20	29-30	57'	X				31-30	JH	1662	7.5	800
"	7:27	7:32	29-31	235'	X				33-32	FLOOR JH	"	"	"
"	8:05	8:10	30-31	23'	X				31-30	CROSS RG	1547	7.0	800
"	7:34	7:39	31-33	109'	X				32-31	FLOOR RG	"	"	"
"	7:45	7:50	30-32	185'	X				32-31	"	"	"	"
"	"	"	32-33	23'	X				33-32	FLOOR ENDCROSS RG	"	"	"
"	8:33	8:38	48-51	0-5	X				33-32	E TIE IN JH	1662	7.5	800
"	8:55	9:00	47-50	5-36	X				33-31	"	"	"	"
"	9:03	9:08	46-49	36-66	X				33-33	"	"	"	"
"	9:20	9:25	32-46	66-72	X				31-30	"	"	"	"
"	9:15	9:20	32-44	72-93	X				32-31	"	"	"	"
"	9:29	9:34	32-44	93-115	X				31-31	"	"	"	"
6/9/09	9:31	9:36	32-43	115-138	X				33-33	E TIE IN CONT. JH	1662	7.5	800

AC=Air Channel Test AL=Air Lance Test VB=Vacuum Box Test ST=Spark Test



Quality Control Air Testing

Project: HAYES EVAP PIT POND 2
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Supervisor: ROGER BARNES
Material: 60 MIL HD 8OZ TEXTILE

Date of Test	Start Time	End Time	Seam No.	Seam Length	A C	A L	V B	S T	Pass/Fail	Welding Technician	Welder No.	Welder Speed	Welder Temp.
6/9/09	9:45	9:50	32-34	138-160	X				33-32	E TIE IN CONT. RG	1547	7.0	800
"	9:47	9:53	32-35	160-183	X				33-32	"	"	"	"
"	9:58	10:03	33-36	183-206	X				32-31	"	"	"	"
"	10:00	10:05	33-37	206-228	X				31-31	"	"	"	"
"	10:10	10:15	33-38	228-236	X				32-32	"	"	"	"
"	10:11	10:16	31-30	236-253	X				31-30	"	"	"	"
"	10:26	10:31	39-41	253-274	X				31-31	"	"	"	"
"	10:25	10:30	39-42	274-284	X				31-30	"	"	"	"
"	10:35	10:40	40-42	284-289	X				32-30	E TIE IN END RG	1547	7.0	800
"	10:11	10:16	33-41	48'	X				32-32	N WALL TO E TIE IN JH	1662	6.7	800
"	10:25	10:30	41-42	15'	X				31-31	" RG	1547	7.0	800
"	9:30	9:35	32-49	60'	X				30-30	S WALL TO E TIE IN RG	1547	7.0	800
"	8:51	8:56	49-50	36'	X				32-31	" JH	1662	6.7	800
"	8:33	8:38	50-51	5'	X				32-30	" JH	"	"	"
"	8:38	8:43	47-48	7'	X				32-31	EAST WALL RG	1547	7.0	800
"	9:03	9:08	46-47	39'	X				33-32	" JH	1662	6.4	800
"	9:12	9:17	45-46	58'	X				33-32	" RG	1547	7.0	800
"	9:29	9:34	44-45	58'	X				33-32	" JH	1662	6.4	800
"	9:30	9:35	43-44	57'	X				32-31	" RG	1547	6.7	800
"	9:44	9:51	34-43	55'	X				32-30	" JH	1662	6.7	800
6/9/09	9:47	9:53	34-35	53'	X				31-30	EAST WALL CONT. JH	"	"	"

AC=Air Channel Test AL=Air Lance Test VB=Vacuum Box Test ST=Spark Test



Field Seam Destructive Test
POND#2

Project: HAYES EVAP PIT
 Owner: WILLIAMS PRODUCTION
 Engineer:
 Contractor: MB CONSTRUCTION
 Supervisor: ROGER BARNES
 Material: 60 MIL HDT, 8OZ TEXTILE

Destruct No.	Date of Test	Welder No.	Welder Temp.	Welder Speed	Seam No.	Time of Test	Welder's Name	Peel Value Inside/Outside	Sheer Value	(Pass/Fail)
1	6/5/09	1548	800	7.0	1-18	1:50	JH	121/130	145	P
								111/104	135	
								120/118		
2	"	1547	800	8.0	19-20	2:05	RG	110/115	149	P
								113/106	143	
								116/119		
3	"	"	"	"	23-24	2:17	RG	114/133	142	P
								104/126	144	
								117/124		
4	6/15/09	1662	800	6.7	29-31	2:00	JH	128/109	143	P
								127/109	142	
								117/113		
5	6/15/09	1547	800	7.0	31-33	2:15	RG	129/129	141	P
								112/111	138	
								106/108		
6	6/15/09	1547	800	7.0	45-46	2:30	RG	110/107	136	P
								112/111	140	
								112/128		



POND#2
Panel Placement Log

Project: HAYES EVAP PIT
 Owner: WILLIAMS PRODUCTION
 Engineer:
 Contractor: MB CONSTRUCTION
 Supervisor: ROGER BARNES
 Material: 60 MIL HDT, 8OZ TEXTILE

Panel No.	Roll Number	Date	Material Type	Width	Length
1	0112	6/2/09	60 MIL HD	23	283'
2	"	"	"	"	59'
3	"	"	"	"	59'
4	0107	"	"	"	61'
5	"	"	"	"	60'
6	"	"	"	"	62'
7	"	"	"	"	36'
8	0105	"	"	"	61'
9	"	"	"	"	36'
10	"	"	"	"	60'
11	"	"	"	"	58'
12	"	"	"	"	58'
13	"	"	"	"	56'
14	"	"	"	"	38'
P14-15	"	"	"	"	17'
16	0117	"	"	"	57'
17	"	"	"	"	30'
18	"	"	"	"	286'
19	9751	"	"	"	284'
20	"	"	"	"	138'
21	9752	"	"	"	149'
22	"	"	"	"	232'
23	0108	"	"	"	56'
24	"	"	"	"	286'
25	0108	6/2/09	"	"	64'



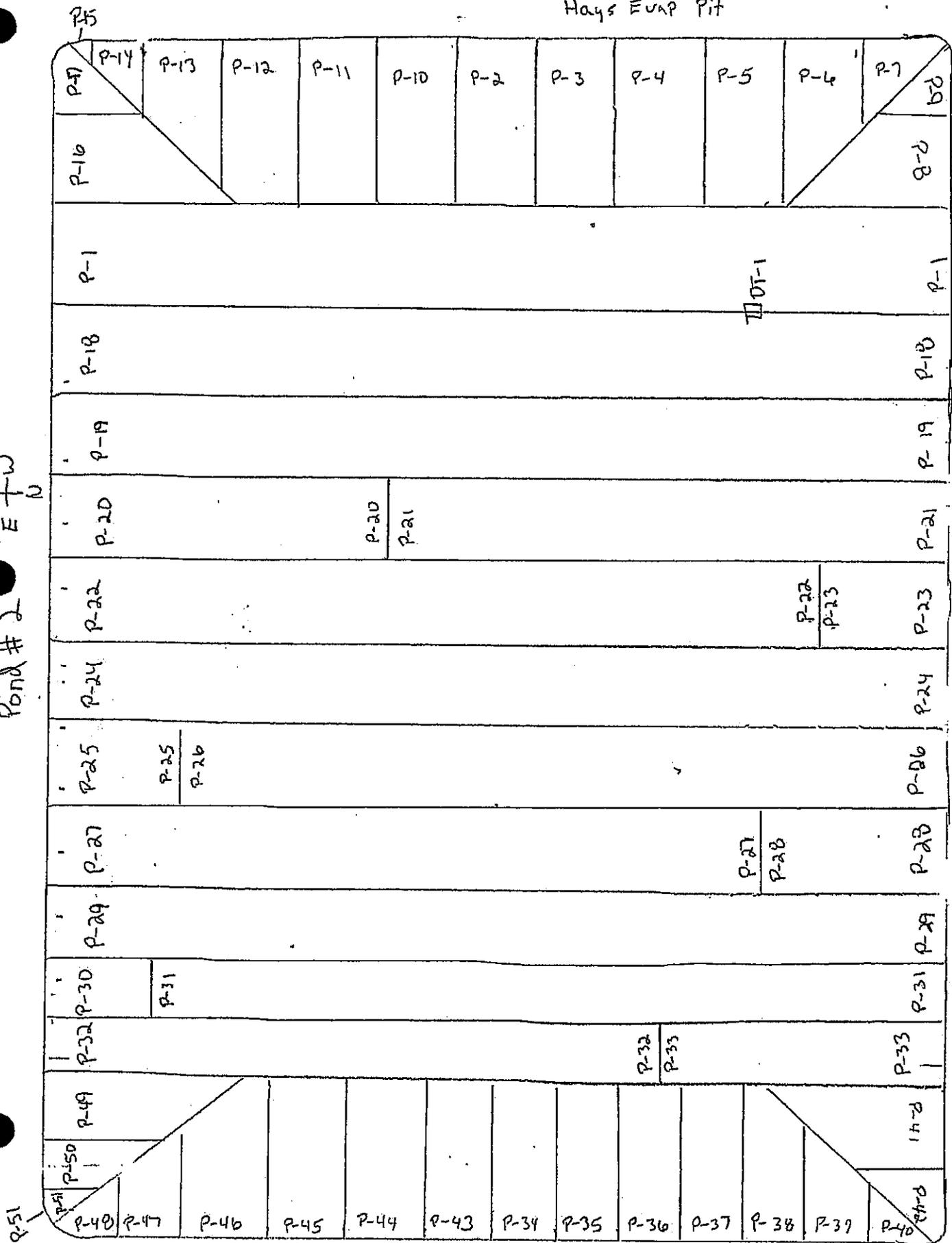
Panel Placement Log

Project: HAYES EVAP PIT POND 2
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Supervisor: ROGER BARNES
Material: 60 MIL HDT, 8OZ TEXTILE

Panel No.	Roll Number	Date	Material Type	Width	Length
26	0106	6/2/09	60 MIL HD	23'	204'
27	0106	6/6/09	"	"	181'
28	0122	"	"	"	75'
29	"	"	"	"	288'
30	"	"	"	"	57'
31	9753	6/7/09	"	"	235'
32	"	"	"	"	185'
33	0101	"	"	"	109'
34	"	"	"	"	60'
35	"	"	"	"	58'
36	"	"	"	"	57'
37	"	"	"	"	54'
38	"	"	"	"	52'
39	9749	"	"	"	39'
*P3940	"	"	"	"	12'
41	"	"	"	"	58'
*P4142	"	"	"	"	27'
43	"	6/8/09	"	"	64'
44	"	"	"	"	65'
45	"	"	"	"	64'
46	"	"	"	"	67'
47	9747	"	"	"	44'
*P4748	"	"	"	"	17'
49	"	"	"	"	64'
50	9747	6/8/09	60 MIL HD	23'	42'

Pond # 2
Hays Evap Pit

Pond # 2
S
E
N





Sub grade Acceptance

Date: 6/17/09

Project: HAYES EVAP PIT
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Installation Supervisor: ROGER BARNES
Material: 60 MIL HDT, 8 OZ TEXTILE

Is surface acceptable for placement of geomembranes? Yes No

Comments _____

Date: 6/17/09

Accepted By Representative of Owner/Owner (Signature) Richard Teninty
I certify that I am a representative with the authority to provide this acceptance and recognize that if this is not a true statement that I will be held personally responsible for the integrity of the inspection.

Print Name/Title: RICHARD TENINTY SUPERVISOR

Company: MB

Witnessed By Representative of CLC (Signature) Roger Barnes

Print Name/Title: ROGER BARNES SUPER

This document only applies to the acceptability of the surface conditions for the installation of the geosynthetic products. Colorado Lining Construction (CLC) does not accept responsibility for anchor trench elevation or design, elevation points for construction, sub-grade compaction, moisture content of neither the sub-grade nor the surface maintenance during deployment. The structural integrity of the sub-grade and maintenance of these conditions are the responsibility of the owner, engineer or contractor. Furthermore, any incidental damage to the liner or seams (e.g. groundwater, gases, cover soil placement and sub-grade movement) during or after the installation is not covered by any warranty expressed or implied and the design, engineering and construction are the responsibility of the owner, engineer and/or contractor.



Geomembrane Installation Approval

Project: HAYES EVAP PIT
Owner: WILLIAMS PRODUCTION
Engineer:
Contractor: MB CONSTRUCTION
Supervisor: ROGER BARNES
Material: 60 MIL HDT, 8 OZ TEXTILE

The Geomembrane on this project has been installed, inspected and tested in accordance with Industry Standards and Manufacturer recommendations.

Date: 6/17/09

Accepted By: Richard Teninty
(Signature)

Print Name/Title: RICHARD TENINTY

Company: MB

Comments:

**All warranties to begin on the date of completion.
Warranties to be issued upon receipt of final payment**

HIS MEMORANDUM

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

NAME OF CARRIER: **PICK UP @ PLANT** CARRIER'S NO. DATE: **9/18/2009** B/L NO. **001472**

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, a property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said carrier (the word carrier, I throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver on the route to said destination. It is mutually agreed as to each carrier of all or any part of said property over all or any portion of said route to destination, and as to each party at any time interested in all or a part of said property, that every service to be performed hereunder, shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date of issue of this bill of lading, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. The shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff, and the said terms and conditions hereby agreed to by the shipper and accepted for himself and his assigns.

FROM: SHIPPER (ORIGIN) **AGRU/AMERICA, INC.**
 2000 East Newlands Drive
 Fernley, NV 89408
 (775)835-8282

TO: CONSIGNEE **CUSTOMER TO PICK UP AT PLANT**
 DESTINATION: **PARACHUTE, CO**
 Resale Certificate on File
 USA
 STREET: **DAN BOYLE-303-841-2022**
 DESTINATION: _____ ZIP: _____

DELIVERING CARRIER: _____ ROUTE: _____ VEHICLE NUMBER: _____

NO. PACKAGES	+ HM	KIND OF PACKAGE, DESCRIPTION OF ARTICLES SPECIAL MARKS AND EXCEPTIONS	*WEIGHT (SUBJECT TO CORR.)	CLASS OR RATE	✓	CHARGES (FOR CARRIER USE ON)
154,317		7 METER SMTH LINER HD 60MIL BLK	46,367			
		Item Key	Roll Number	Quantity		
		L-HD-SMTH-060-7M	920109-09	9,645		
		L-HD-SMTH-060-7M	920110-09	9,645		
		L-HD-SMTH-060-7M	920111-09	9,645		
		L-HD-SMTH-060-7M	920112-09	9,645		
		L-HD-SMTH-060-7M	920113-09	9,645		
		L-HD-SMTH-060-7M	920114-09	9,645		
		L-HD-SMTH-060-7M	920115-09	9,645		
		L-HD-SMTH-060-7M	920116-09	9,645		
		L-HD-SMTH-060-7M	920117-09	9,645		
		L-HD-SMTH-060-7M	920118-09	9,645		
		L-HD-SMTH-060-7M	920119-09	9,645		
		L-HD-SMTH-060-7M	920120-09	9,645		
		L-HD-SMTH-060-7M	920121-09	9,645		
		L-HD-SMTH-060-7M	920122-09	9,645		
		L-HD-SMTH-060-7M	920123-09	9,645		
		L-HD-SMTH-060-7M	920224-09	9,645		
		Total Weight: 46,367 LB				
		Total Units: <u>16 rolls</u>				
		Order No.: 12123 Order Date: 05/06/09 Request Date: 05/06/09				
		Location: NV P.O. No.: 24875				

SHIPPER'S C.O.D. TO: **AGRU/AMERICA, INC.**
 2000 East Newlands Drive
 Fernley, NV 89408
 (775)835-8282

C.O.D. Amt \$ _____

C.O.D. FEE: Prepaid Collect \$

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____ (Signature of Consignor)

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TOTAL CHARGES \$ _____ Freight charges are PREPAID unless marked collect. Check box if charges are Col

HIS MEMORANDUM

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or records.

B/L NO.

NAME OF CARRIER PICK UP @ PLANT	CARRIER'S NO.	DATE 5/18/2009	B/L NO. 001473
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RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, a property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said carrier (the word carrier is used throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to the consignee at the place of destination, and as to each party at any time interested in all or a part of the property, that every service to be performed hereunder, shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date of issue of this bill of lading, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. The shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff, and the said terms and conditions, and he hereby agrees to by the shipper and accepted for himself and his assigns.

COLORADO LINING COMPANY

FROM: SHIPPER (ORIGIN)	AGRU/AMERICA, INC. 2000 East Newlands Drive Fernley, NV 89408 (775)835-8282	TO: CONSIGNEE DESTINATION: PARACHUTE, CO Resale Certificate on File USA STREET: DAN BOYLE-303-841-2022
	EMERGENCY RESPONSE PHONE NO.	DESTINATION ZIP

DELIVERING CARRIER	ROUTE	VEHICLE NUMBER																																																			
NO. PACKAGES 154,317 264	KIND OF PACKAGE, DESCRIPTION OF ARTICLES SPECIAL MARKS AND EXCEPTIONS 7 METER SMTH LINER HD 60MIL BLK WELD ROD MFG BLACK HDPE 5MM	*WEIGHT (SUBJECT TO CORR.) 46,367 264																																																			
+	HM	CLASS OR RATE																																																			
<table border="1"> <thead> <tr> <th>Item Key</th> <th>Roll Number</th> <th>Quantity</th> </tr> </thead> <tbody> <tr><td>L-HD-SMTH-060-7M</td><td>919747-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>919748-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>919749-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>919750-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>919751-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>919752-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>919753-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>919754-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>920101-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>920102-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>920103-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>920104-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>920105-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>920106-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>920107-09</td><td>9,645</td></tr> <tr><td>L-HD-SMTH-060-7M</td><td>920108-09</td><td>9,645</td></tr> </tbody> </table>		Item Key	Roll Number	Quantity	L-HD-SMTH-060-7M	919747-09	9,645	L-HD-SMTH-060-7M	919748-09	9,645	L-HD-SMTH-060-7M	919749-09	9,645	L-HD-SMTH-060-7M	919750-09	9,645	L-HD-SMTH-060-7M	919751-09	9,645	L-HD-SMTH-060-7M	919752-09	9,645	L-HD-SMTH-060-7M	919753-09	9,645	L-HD-SMTH-060-7M	919754-09	9,645	L-HD-SMTH-060-7M	920101-09	9,645	L-HD-SMTH-060-7M	920102-09	9,645	L-HD-SMTH-060-7M	920103-09	9,645	L-HD-SMTH-060-7M	920104-09	9,645	L-HD-SMTH-060-7M	920105-09	9,645	L-HD-SMTH-060-7M	920106-09	9,645	L-HD-SMTH-060-7M	920107-09	9,645	L-HD-SMTH-060-7M	920108-09	9,645	✓
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Total Weight: 46,631 LB Total Units: <u>16 rolls / 12 spools</u> Order No.: 12123 Order Date: 05/06/09 Request Date: 05/06/09 Location: NV P.O. No.: 24875		CHARGES (FOR CARRIER USE ON)																																																			

EMIT C.O.D. TO:	AGRU/AMERICA, INC. 2000 East Newlands Drive Fernley, NV 89408 (775)835-8282	C.O.D. Amt \$	C.O.D. FEE <input type="checkbox"/> Prepaid <input checked="" type="checkbox"/> Collect \$
If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state the net weight of the property, or the gross weight, if the carrier or shipper's weight.	NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____	Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.	TOTAL CHARGES \$ Freight charges are PREPAID unless marked collect. <input type="checkbox"/> Check box if charges are Co
Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.	(Signature of Consignor) _____		

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Permanent post office address of shipper + MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF FEDERAL REGULATIONS. When transporting hazardous materials include the technical or chemical name for n.o.s. (not otherwise specified) or generic description of material with appropriate UN or NA number as defined in US DOT Emergency Response Communication Standard (HM-128C). Provide emergency response phone number in case of incident or accident.

SOIL TEST

Lambert and Associates

CONSULTING GEOTECHNICAL ENGINEERS AND MATERIAL TESTING

DAILY FIELD REPORT - FIELD DENSITY TESTS

Date: <i>Thursday, May/28/09</i>	Arrive Time: <i>11:45 AM</i>
	Depart Time:
Project Name: <i>Evaporation Pond</i>	Weather: <i>Overcast</i>
Project Number: <i>G09032MT</i>	Temp:
Client: <i>MB Construction</i>	Client Representative:
General Contractor:	Supervisor:
Specialty Contractor: <i>MB Construction</i>	Specialty Superintendent or Foreman: <i>Dick Teninty</i>
Source of Fill Material:	Plans and Specs: <i>N/A</i>
	Dated:
Contractor's Equipment Used: <i>Dozers, scrapers, backhoe, water truck and vibratory smooth drum compactor</i>	
Lambert and Associates Equipment Used - Manufacturer: <i>CPN</i>	Serial Number or Unit Number: <i>18</i>
Test Results were Verbally Given On-Site to: <i>Dick Teninty</i>	
Expected Conditions Observed: <i>Yes</i>	
Unexpected Conditions Observed: <i>No</i>	
Unusual Conditions Observed: <i>No</i>	
If yes, who was contacted?	
Follow-up from Prior Visit:	Retests Performed: <i>Yes</i>
Concerns for Next Visit: <i>None</i>	Retests Needed:
Other personnel contacted on-site: name/firm	
Notes: <i>I performed nuclear field density tests, as requested by Dick Teninty with MB Construction, of material being placed for the construction of Evaporation Ponds Numbers One (1), Two (2) and Three (3). Please refer to the test results sheets for approximate test location and test results. The test results indicate only the relative compaction and soil moisture content of the material tested at the elevation and location tested at the time of our site visit.</i>	
Lambert and Associates Technician: <i>Hayes</i>	

RELATIVE COMPACTION TEST RESULTS

PROJECT: Evaporation Pond

PROJECT NO: G09032MT

DATE: Thursday, May/28/09

SITE LOCATION: Parachute

ENGINEERING TECHNICIAN: Hayes

CLIENT: MB Construction

NUCLEAR GAUGE USED: 18

TEST NO	TEST LOCATION	DEPTH OR ELEVATION	PROBE DEPTH (IN)	LABORATORY PROCTOR DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	RELATIVE COMPACTION (%)	SOIL TYPE
	<i>Approximate Test Locations</i>								
	<i>Pond #1</i>								
2	Test #1 May/28/09 sketch	At Grade	8	121.5	12.0	113.5	12.9	93	Clay, Sandy, Gravelly, Brown
3	Test #2 May/28/09 sketch	"	8	121.5	12.0	117.0	14.0	96	" "
4	Test #3 May/28/09 sketch	"	8	118.0	13.0	104.9	14.1	89	Clay, Sandy, Brown
5	Retest of #4, this date	"	8	118.0	13.0	105.1	14.0	89	" "
	<i>Pond #2</i>								
6	Test #1 May/28/09 sketch	"	8	121.5	12.0	113.2	16.0	93	Clay, Sandy, Gravelly, Brown
7	Test #2 May/28/09 sketch	"	8	120.0	12.0	108.6	17.5	91	Clay, Sandy, Brown
8	Test #3 May/28/09 sketch	"	8	121.5	12.0	111.2	12.3	92	Clay, Sandy, Gravelly, Brown
	<i>Pond #3</i>								
9	Test #1 May/28/09 sketch	"	8	120.0	12.0	108.2	15.9	90	Clay, Sandy, Brown
10	Test #2 May/28/09 sketch	"	8	120.0	12.0	116.7	11.7	97	" "

REMARKS: The test results indicate only the density and moisture content for the location and elevation tested only.

Lambert and Associates

PROJECT NUMBER: G09032MT

Lambert and Associates

CONSULTING GEOTECHNICAL ENGINEERS AND MATERIAL TESTING

Client: MB Construction

Date Received: May/8/09

Project: Evaporation Pond

Date Tested: May/13/09

Project Number: G09032MT

Sample Number: 1465

Location: Parachute, CO

Sample Source: MB Sample Number 3

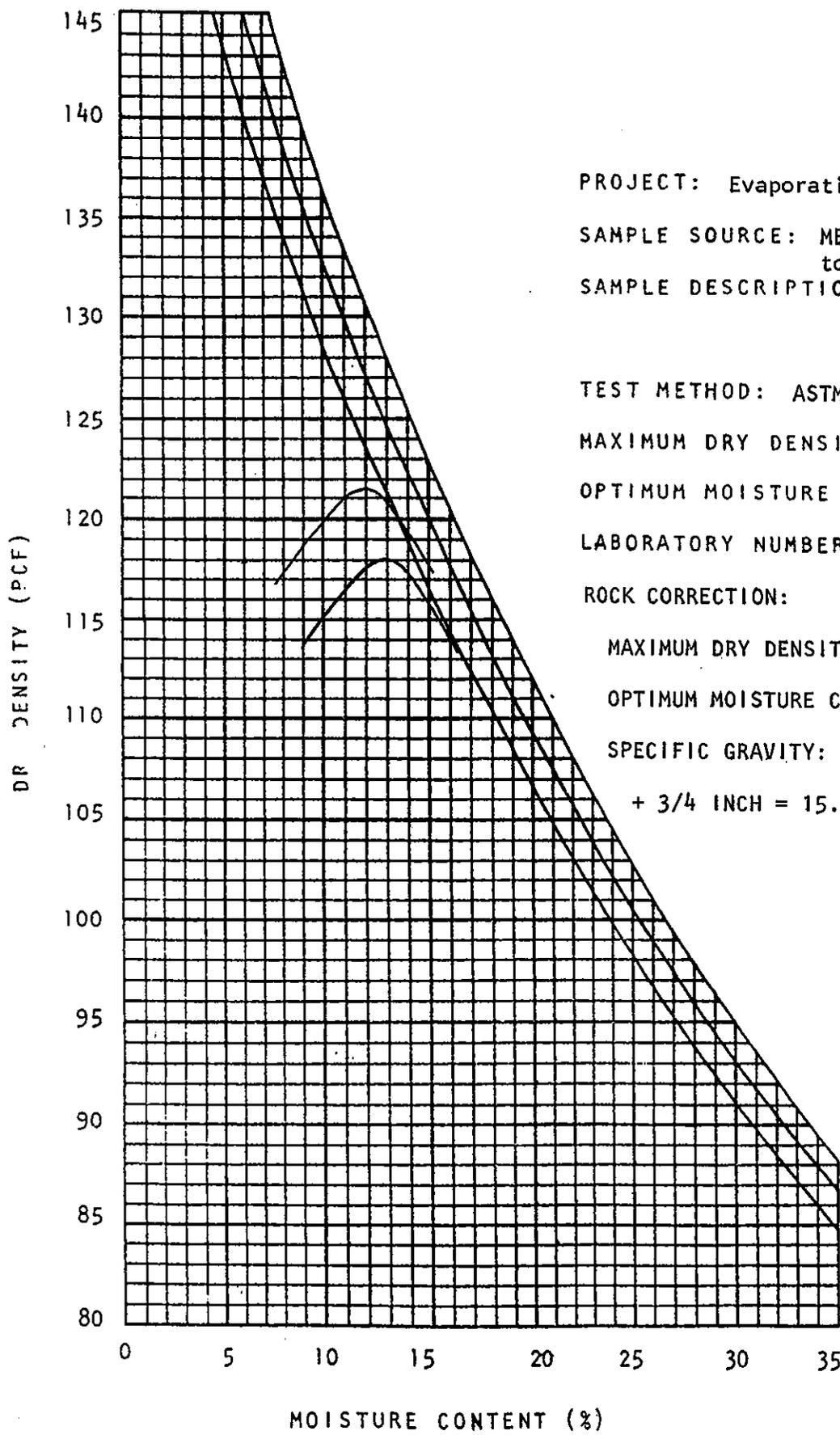
Sample Description: Clay, Sand, Gravelly, Brown

CONSTANT HEAD PERMEABILITY TEST

Initial Moisture Content: 13.5%

Dry Unit Weight: 106.2 pcf

Permeability: 4.2×10^{-8} cm/sec



PROJECT: Evaporation Pond
 SAMPLE SOURCE: MB Sample Number 4, Delivered to Grand Junction Office
 SAMPLE DESCRIPTION: Clay, Sand, Gravelly, Brown

TEST METHOD: ASTM D1557C
 MAXIMUM DRY DENSITY: 118.0 pcf
 OPTIMUM MOISTURE CONTENT: 13.0%
 LABORATORY NUMBER: 1466

ROCK CORRECTION:
 MAXIMUM DRY DENSITY: 121.5 pcf
 OPTIMUM MOISTURE CONTENT: 12.0%
 SPECIFIC GRAVITY: 2.302
 + 3/4 INCH = 15.4% OF TOTAL WEIGHT

2.8
 2.7 Zero Air Voids for
 2.6 Specific Gravity

Lambert and Associates

CONSULTING GEOTECHNICAL ENGINEERS AND MATERIAL TESTING

Client: MB Construction

Date Received: May/8/09

Project: Evaporation Pond

Date Tested: May/14/09

Project Number: G09032MT

Sample Number: 1466

Location: Parachute, CO

Sample Source: MB Sample Number 4,
Delivered to Grand Junction Office

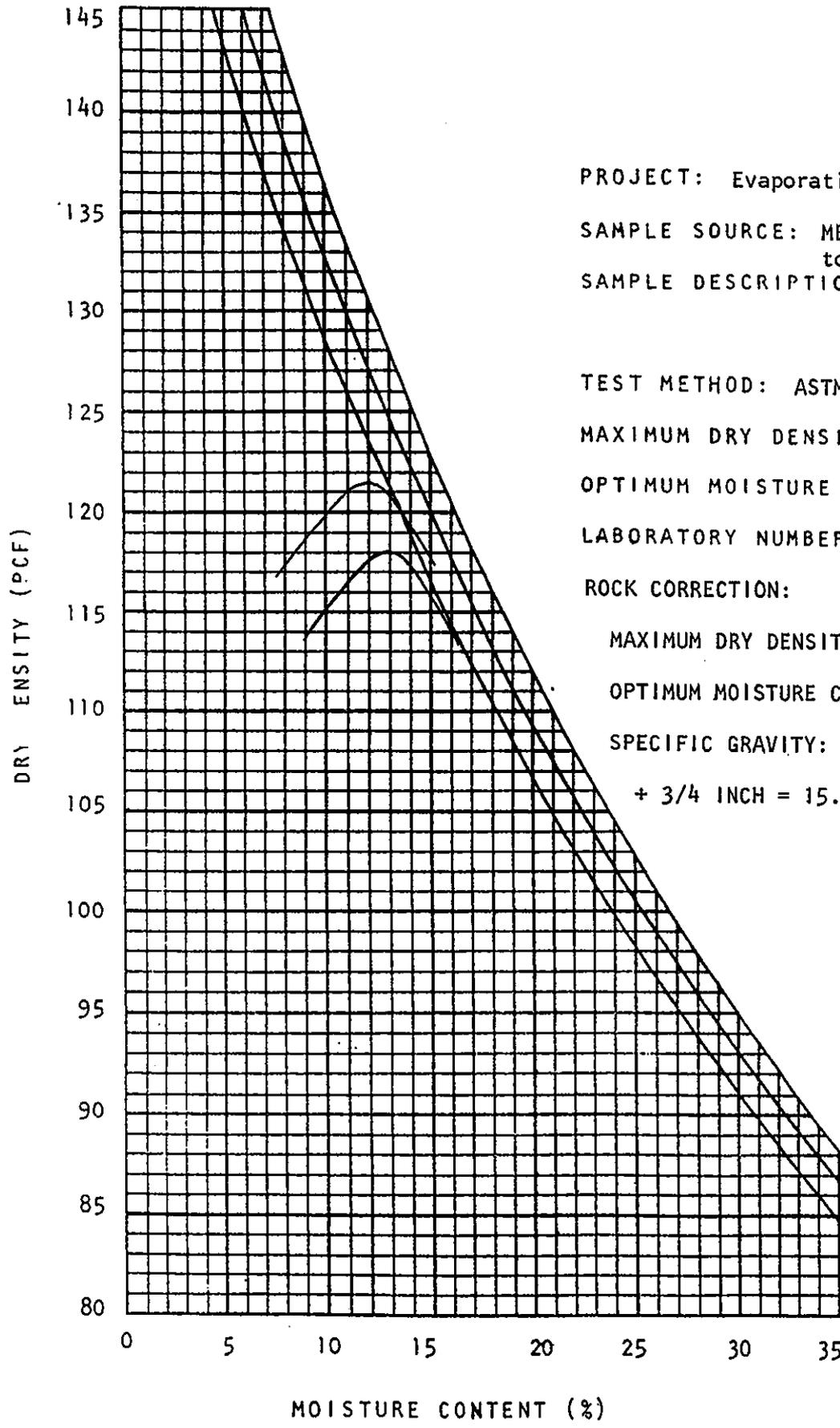
Sample Description: Clay, Sand, Gravelly, Brown

CONSTANT HEAD PERMEABILITY TEST

Initial Moisture Content: 14.6%

Dry Unit Weight: 106.2 pcf

Permeability: 1.8×10^{-7} cm/sec



PROJECT: Evaporation Pond
 SAMPLE SOURCE: MB Sample Number 4, Delivered to Grand Junction Office
 SAMPLE DESCRIPTION: Clay, Sand, Gravelly, Brown

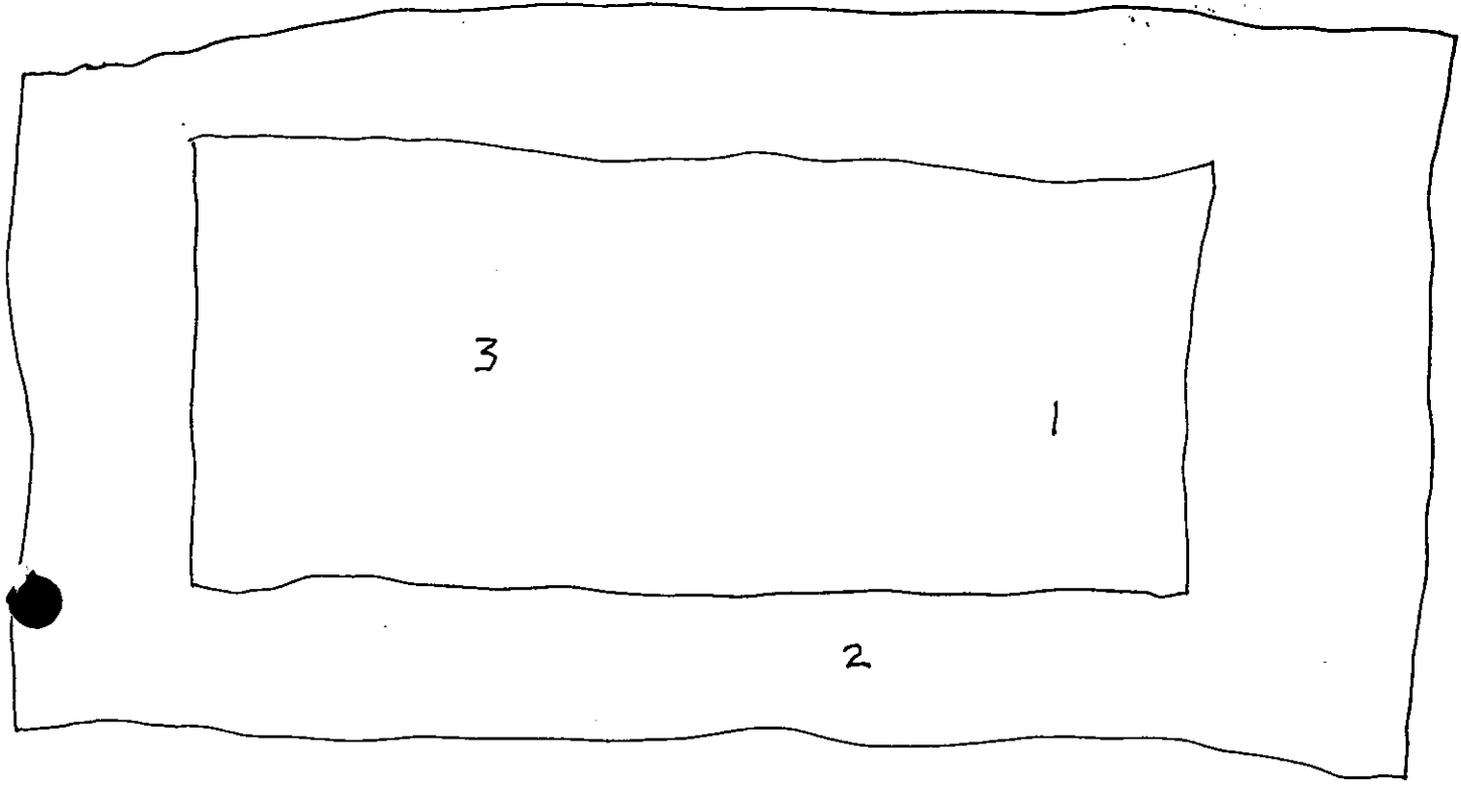
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ROCK CORRECTION:
 MAXIMUM DRY DENSITY: 121.5 pcf
 OPTIMUM MOISTURE CONTENT: 12.0%
 SPECIFIC GRAVITY: 2.302
 + 3/4 INCH = 15.4% OF TOTAL WEIGHT

2.8
 2.7 Zero Air Voids for
 2.6 Specific Gravity



Parachute Evaporation Pond #2
609032MT
5-28-09



No Scale



GM 251-2

GM 41-2

GM 11-1

GM 21-1

1

2

GM 242-1

Pits 11-1-796

3

GV 14-2

GM 12-1

GM 244-1

COGCC GIS Online

-  Red Lines
- OIL AND GAS WELLS**
 -  Oil and Gas Wells
 -  Temporary Point
- CITIES TOWNS PLACES**
 -  Towns and Places
- ROADS AND RRS**
 -  Major Highways
- SAN JUAN BASIN**
 -  Fruitland PC
-  MUNICIPAL BOUNDARIES



SCALE 1 : 9,152

