



C-147 Registration Application Form

Bebop Containment & Recycling Facility

July 31, 2017

SITING REQUIREMENTS

1. DISTANCE TO GROUNDWATER

Figure 1 shows the nearest active water wells to the recycling containment. A borehole was completed by Phoenix Environmental and the results are shown in **Figure 2**. A bore-hole was drilled down to 100' and was left open for twenty-four hours. No groundwater was encountered down to this depth.

2. DISTANCE TO MUNICIPAL BOUNDARIES AND FRESH WATER FIELDS

Figure 1 also illustrates that the recycling containment is not located within incorporated municipal boundaries or within defined municipal fresh water well fields covered by a municipal ordinance pursuant to Section 3-27-3 NMSA 1978 as amended.

3. DISTANCE TO SUBSURFACE MINES

Based off local knowledge of the area and according to the NM EMNRD Mining and Minerals Division there are no subsurface mines within the proximity of the recycling containment. **Figure 3** shows the active mines within Eddy County in respect to the location of the recycling containment

4. DISTANCE TO KARST FEATURES

Figure 4 shows the recycling containment is located within a BLM-identified medium potential karst zone. BLM inventory data of existing karst features are indicated in the figure and verify that the recycling containment is not located within an unstable area.

5. DISTANCE TO 100 YEAR FLOODPLAINS

Based off of information from the Federal Emergency Management Agency, the recycling containment is located within the FEMA identified Zone D. **Figure 5** demonstrates that the area is not located within a 100-year floodplain.

6. DISTANCE TO SURFACE WATER

Figure 6 illustrates that the recycling containment is not located within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole or playa lake (measured from the ordinary high-water mark).

7. DISTANCE TO PERMANENT RESIDENCE OR INSTITUTIONS

Figure 7 illustrates that the recycling containment is not located within 1,000 feet of a permanent residence, school, hospital, institution or church in existence at the time of this initial registration.

8. DISTANCE TO DOMESTIC AND STOCK WATER SUPPLIES

Figure 8 illustrates that the recycling containment is not located within 500 feet of a spring or fresh water well used for domestic or stock watering purposes at the time of this initial registration. The nearest domestic water listed is 6350 feet to the southwest of the recycling containment.

9. DISTANCE TO WETLANDS

Figure 6 illustrates that the recycling containment is not located within 500 feet of any identified wetland.

DESIGN AND CONSTRUCTION PLAN

10. PROJECT OVERVIEW

The following bullet points will be followed and met during the construction of the recycling containment:

- The recycling containment will be constructed to ensure the confinement of produced water, to prevent releases and to prevent overtopping due to wave action or rainfall
- The foundation will be properly constructed and interior slopes will consist of a firm unyielding base that will be smooth and free of rocks, debris or and sharp edges that may penetrate the liner.
- 10 ounce geotextile will be laid on the base of the containment to add another layer of protection for the liner from any sharp edges.
- A levee will be constructed with an inside and outside grade of three horizontal feet to one vertical foot (3H:1V).
- The recycling containment will be constructed with a 60 mil HDPE **conductive** primary liner and a 40 mil HDPE secondary liner.
- The edges of both liners will be anchored with an 24-inch deep compacted earth-filled trench.
- Liner seems will minimized and will oriented up and down, not across, the slope of the levee. Factory welded seams will be used anywhere possible and no horizontal seams will be within five feet of the slope's toe.

- All field seams will be tested and logged to ensure the seams are thermally sealed.
- The conductive primary liner will be spark tested to ensure no cuts are present.
- The liner will be protected from excessive hydrostatic force or mechanical damage. External discharge or suction lines will not penetrate the liner.
- The recycling containment will be constructed with a leak detection system between the primary and secondary liner. The leak detection system will consist of 200-mil geonet and will be sloped to facilitate the earliest possible leak detection.
- The containment will be designed to prevent run-on of surface water. Diversion ditches will be used where necessary.

11. STOCKPILING OF TOPSOIL

Topsoil will be stockpiled beside the recycling containment and will be used as final layer at the time of the enclosure of the containment.

12. SIGNS

Mewbourne Oil Co will provide easily read sign(s) in a conspicuous place around the perimeter of the fence that will include:

- The operator's name
- The location of the site by quarter-quarter, section, township and range
- Emergency telephone numbers

13. FENCING

An 8-foot tall game fence will be provided around the perimeter of the containment to deter an unauthorized human or wildlife access. Gates will be used for authorized personnel only and will be kept locked at all times.

14. NETTING AND WILDLIFE PLAN

The fence indicated above will be effective in excluding any terrestrial wildlife. Due to infeasibility of installing netting on the recycling containment of this magnitude, an audible avian deterrence system will be installed similar to setups by other operators in southeast New Mexico. The system has provided effective protection for migratory birds.

Mewbourne Oil will inspect the containment monthly and will report to NM Game and Fish Department and NMOCD any dead migratory birds within 30 days.

OPERATING AND MAINTENANCE PLAN

15. Overview

The recycling containment will be operated and maintained to contain liquids and solids and maintain the liner system in a manner that prevents contamination of fresh water and protects public health and the environment as described below. The purpose of this lined containment is to facilitate recycling, reuse, and reclamation of produced water from nearby oil and gas wells to be used in new well completions. When the treated produced water is not needed for completion of new wells, it will be pumped to and injected in a third party authorized SWD. This containment will not be used for the disposal of produced water or other oilfield waste.

The operation of the Recycling Containment is outlined below:

- Produced water from nearby oil and gas wells will be pumped via permanent pipeline to the treatment system near the recycling containment.
- After being treated, the produced water will be pumped into the recycling containment.
- When sufficient volume is reached in the recycling containment, it will be removed from the containment and used for either well stimulation (hydraulic fracturing) or drilling below fresh water zones (beneath surface casing).
- When the containment reaches maximum capacity, either treatment and discharge to the containment will cease or current plans will have a permanent 12-inch line in place to send treated produced water to a separate recycling containment in the same area.
- Accurate records will be kept and monthly reports will be sent in showing the total volume of water received for recycling, with the amount of fresh water received listed separately, and the total volume of water leaving the facility for disposition by use on form C-148.
- Inspections will be performed regularly and records will also be kept that identify sources and disposition of all recycled water and will be made available for review upon request.
- These inspections will include monitoring the leak detection system to make sure the primary liner has not been compromised; removal of any visible layer of oil from the liquid surface and verification that the three foot freeboard is being maintained.
- If a liner breach is identified above the liquid surface, the liner will be repaired or replaced within 48 hours. Alternatively, the NMOCD district office will be contacted within 48 hours to seek and extension for the liner repair or replacement.
- If a liner breach is identified below the liquid surface, all liquid above the identified breach will be removed, the NMOCD district office will be notified and the liner repair or replacement will be initiated within 48 hours of discovery.

- The berm will be visually inspected to ensure the integrity and condition is such to prevent surface water run-on.
- Finally, oil absorbent pads will be kept on site to contain an unexpected release.

The recycling containment shall be deemed to have ceased operations if less than 20% of the total fluid capacity is used every six months following the first withdrawal of produced water for use. Records will be kept using form C-148. If these records indicate that less than 20% of the total fluid capacity is used within six months, the appropriate division district office will be notified.

CLOSURE PLAN

After operations cease (insufficient volume used or permit expires), all fluids will be removed within 60 days and the recycling containment will be closed within six months. All removed liquids, solids and liner materials will be removed and transferred to a NMOCD-approved disposal facility within six months.

A five-point composite sample will be collected from beneath the containment and anywhere soils are stained or wet and tested for contamination. The samples will be analyzed for the criteria listed in Table 1 of 19.15.34.14 NMAC.

- If the contaminant concentration is higher than the parameters listed in Table 1, the NMOCD district office will be notified and a request will be submitted before completing the enclosure on the containment.
- If all parameters from Table 1 are met, closure will proceed by backfilling with non-waste containing, uncontaminated, earthen material.

Within 60 days of closure completion, a closure report on form C-147, including required attachments, will be submitted to document all closure activities including sampling results and details of any backfilling, capping, or covering, where applicable. The closure report will certify that all information in the report and attachments is correct and that all applicable closure requirements and conditions have been met.

Once the containment has been closed, the containment's location will be reclaimed to a safe and stable condition that blends with the surrounding undisturbed area. Top soils and subsoils will be replaced to their original relative positions and contoured so as to achieve erosion control, long-term stability, and preservation of surface water flow patterns. The area will then be reseeded in the first favorable growing season following the enclosure of the recycling containment as to best restore the area to the condition that existed prior to the construction of the containment.

Reclamation of the area will be considered complete when all ground surface disturbing activities at the site have been completed, and a uniform vegetative cover has been established that reflects a life-form

ratio of plus or minus 50% of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds.

Surface reclamation obligations imposed by the BLM or the NM State Trust Land on lands managed by those agencies will supersede these requirements, provided that these other requirements provide equal or greater protection of fresh water, human health, and the environment.

The NMOCD district division office will be notified when the reclamation and re-vegetation are complete.

FINANCIAL ASSURANCE REQUIREMENTS

Mewbourne Oil Company has an existing financial assurance in place with NMOCD as required by 19.15.8 NMAC. Use of the recycling containment will be used solely for wells owned or operated by MOC.

VARIANCE REQUESTS

Netting

Due to the size and infeasibility of constructing and maintaining a netting system over a containment of this size, Mewbourne is requesting an alternative solution. The recycling containment will instead be equipped with an audible avian protection system. This system will be designed to deter birds from approaching the containment. Mewbourne will use the **Bird-X Mega Blaster PRO**. This device has been used by other operators with registered recycling containments in southeast New Mexico as an effective means of deterring birds.

Figures

Boundary References



Figure 1: Nearest Water Wells

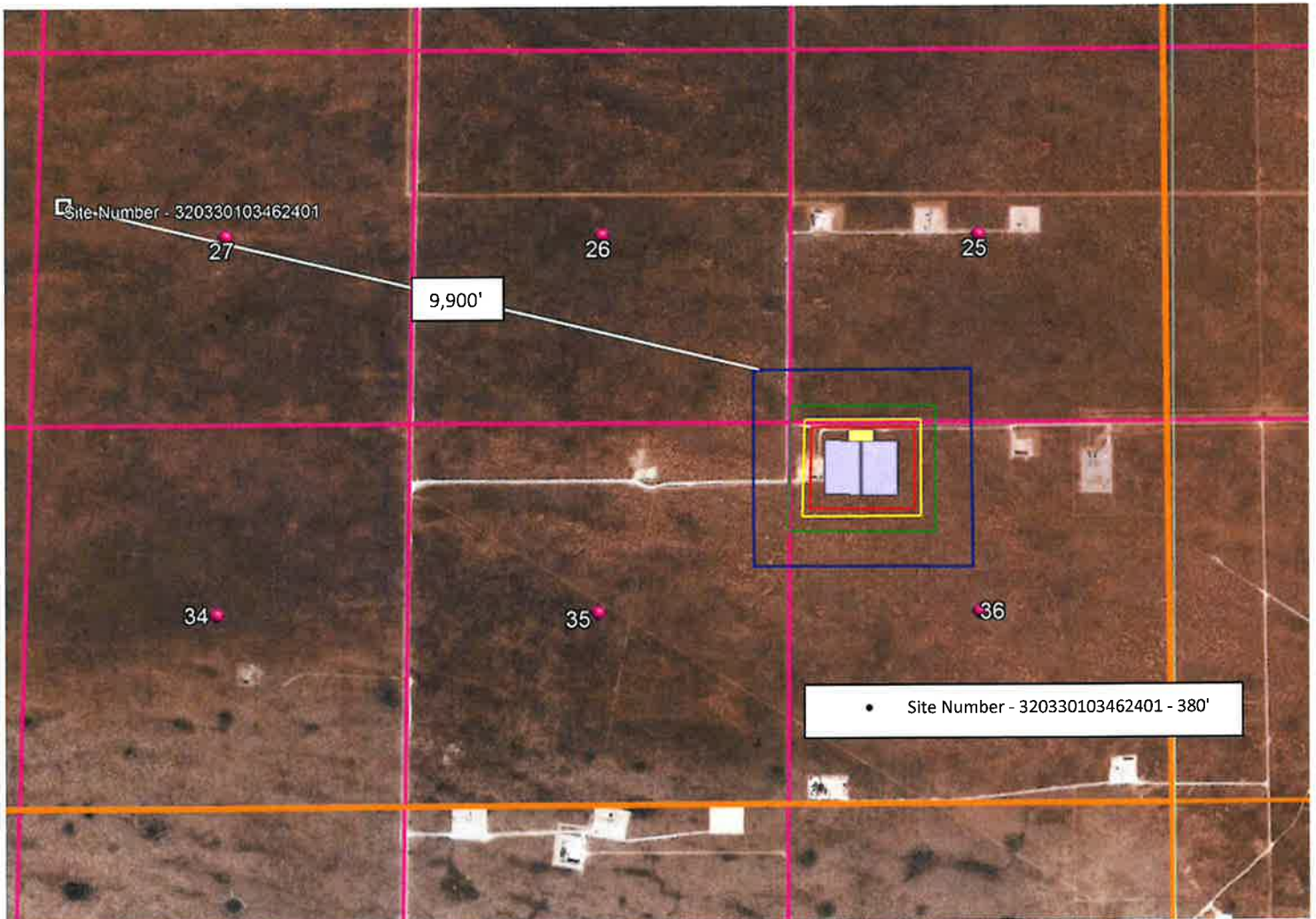


Figure 2: Borehole Log



THE DRILLING PROFESSIONALS

Soil Boring Log

Client	Phoenix Environmental LLC
Contractor	HCI Drilling
Date Completed	07/15/2017
Location	Bebop
Soil Boring Number	SB-1
Lithology	
0' – 22'	Caliche – White
22' – 50'	Sand – Brown
50' – 55'	Red Clay
55' – 100'	Sand – Brown
GPS Coordinates	32.093544, 103.58146

Copies: Email (Phoenix Env)

Figure 3: Subsurface Mine Locations

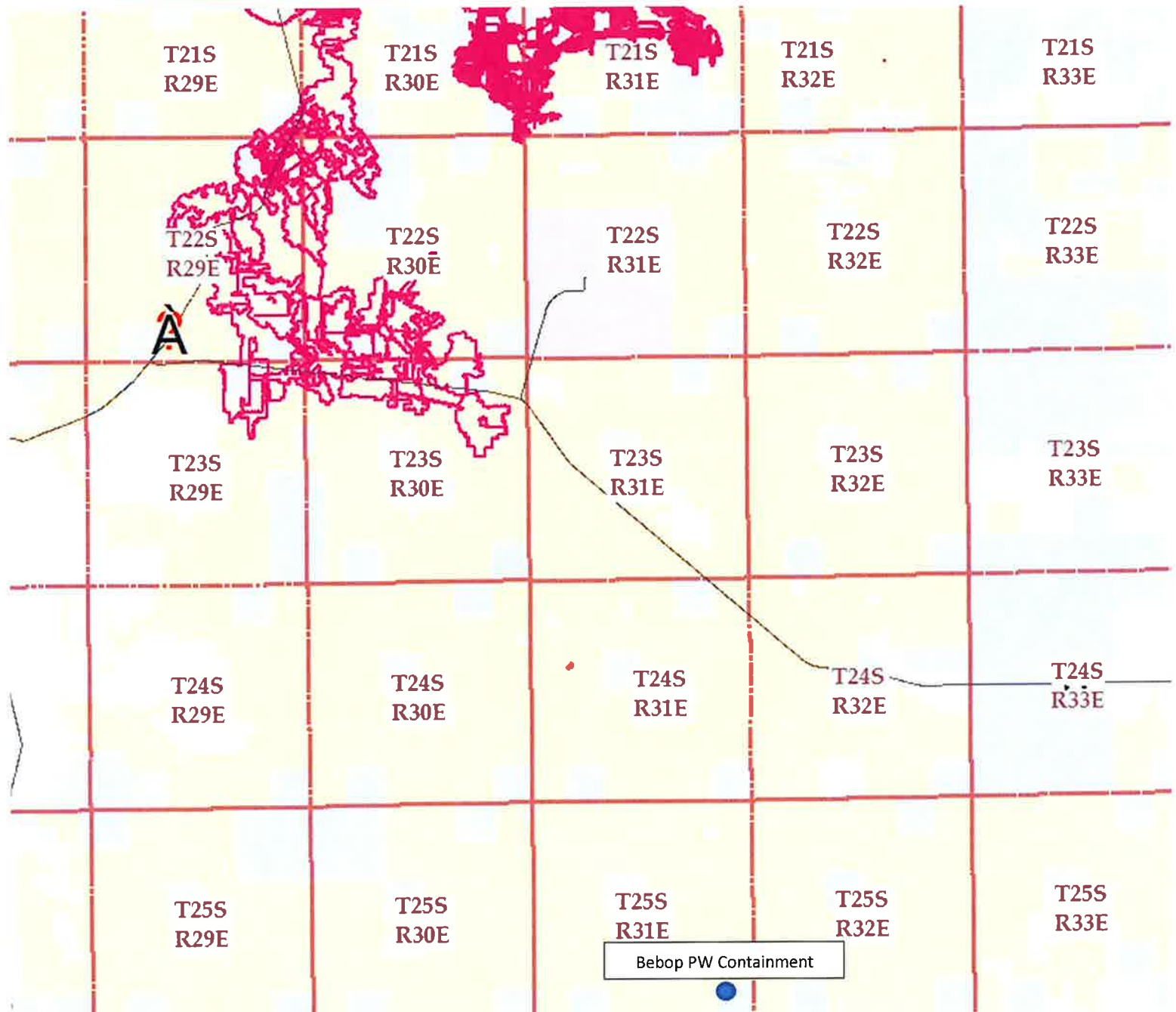


Figure 4: Karst Features

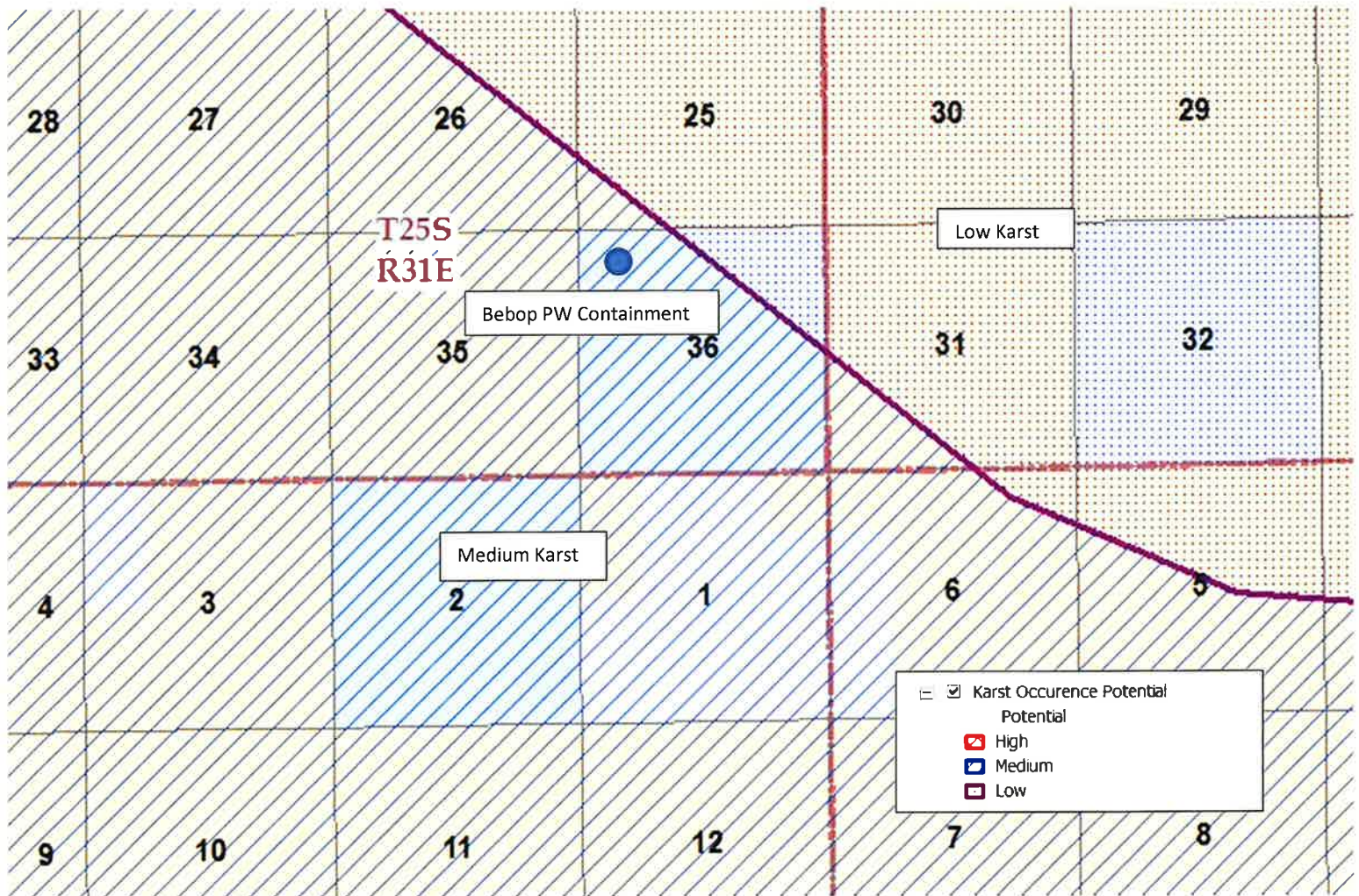


Figure 5: 100 Year Floodplain

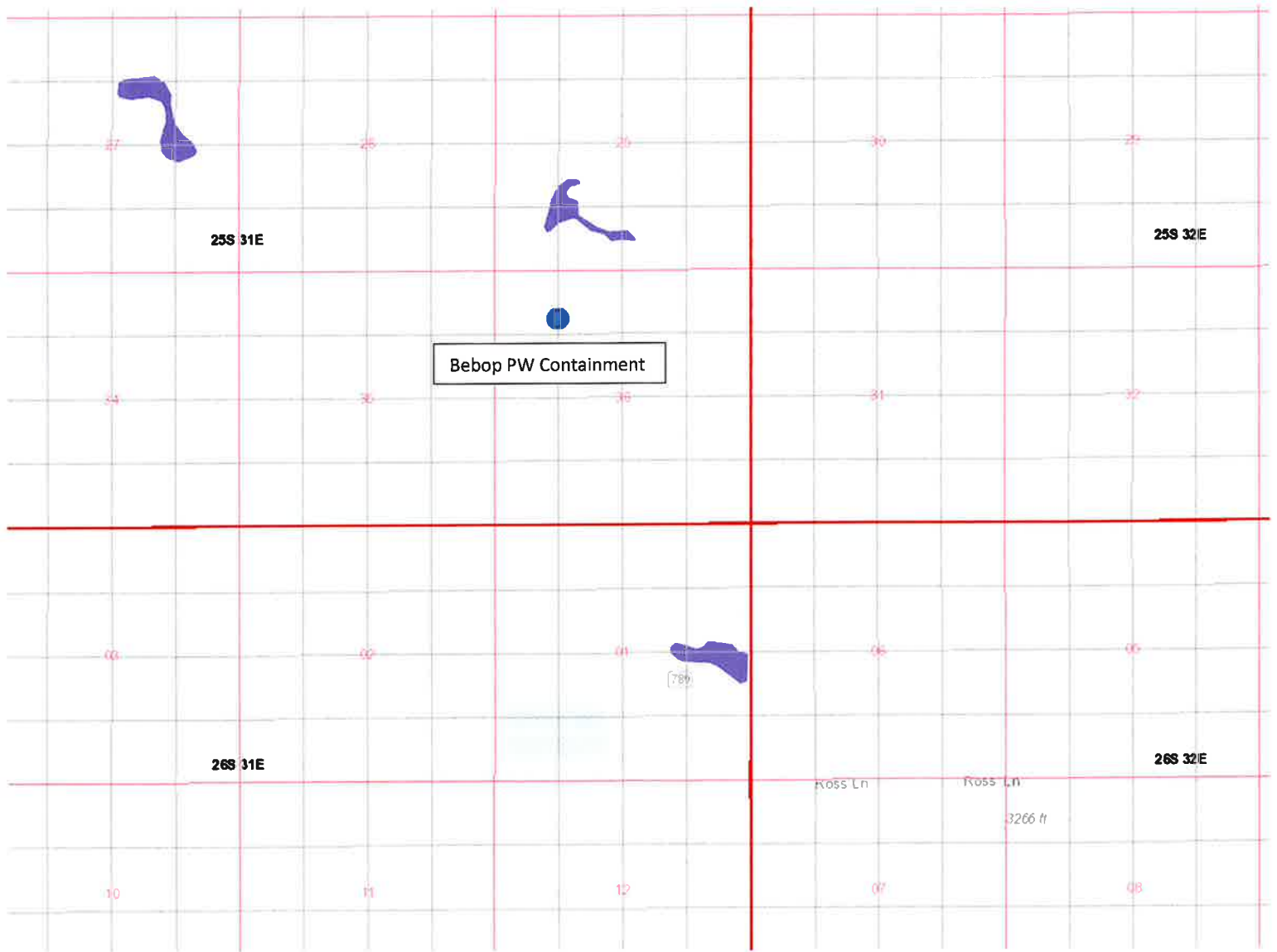


Figure 6: Distance to Surface Water



Figure 7: Distance to Residence

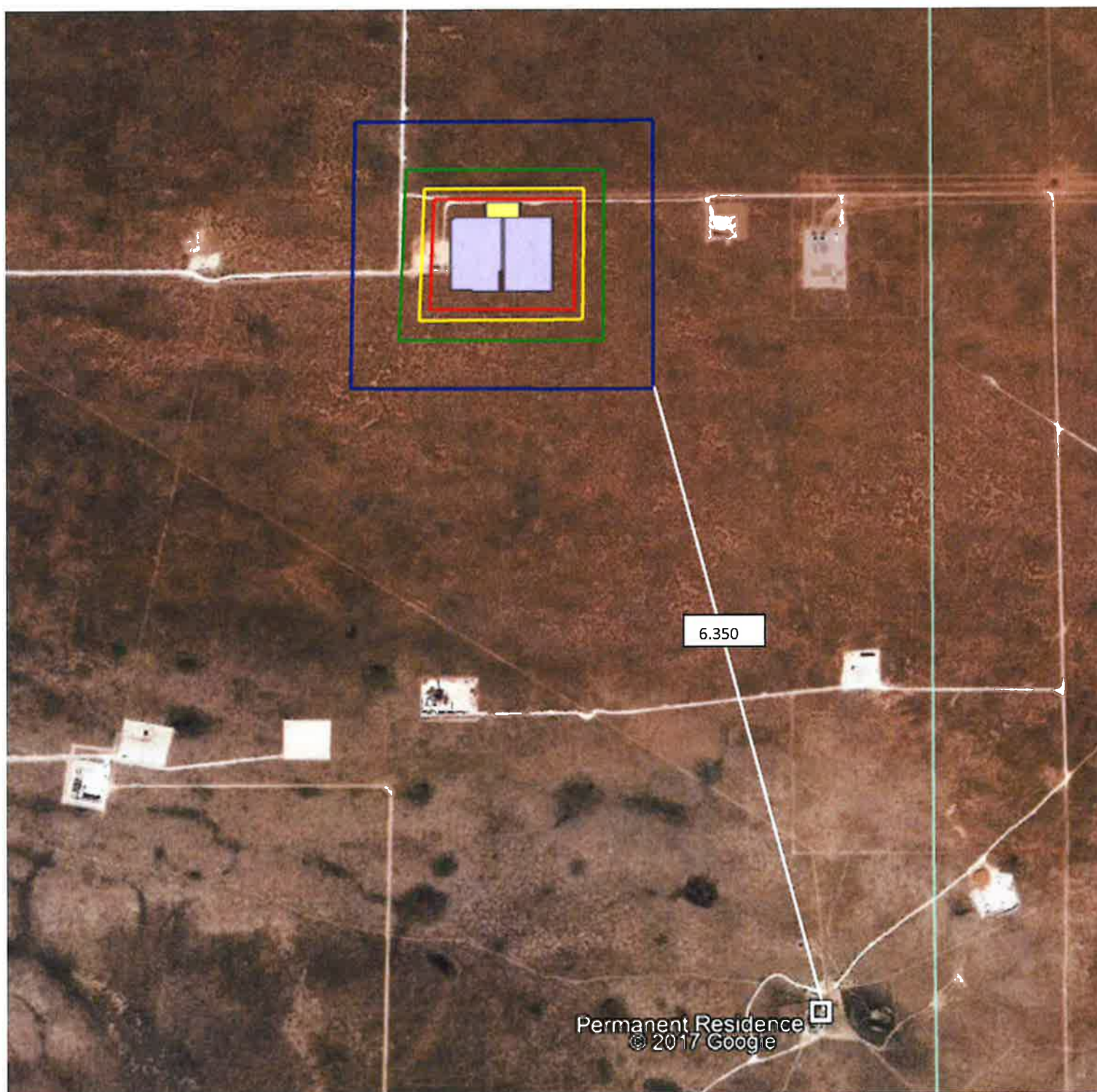
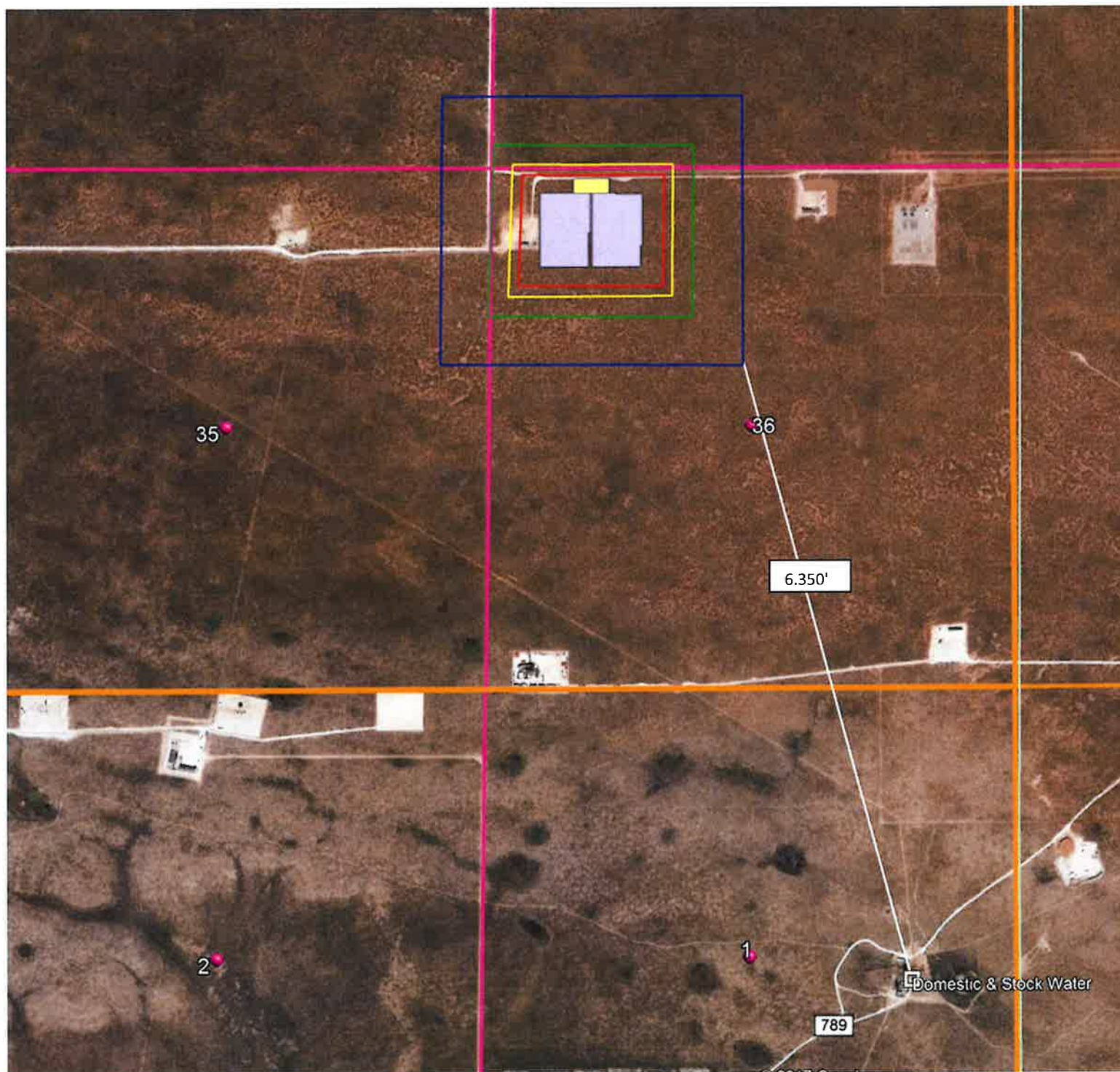
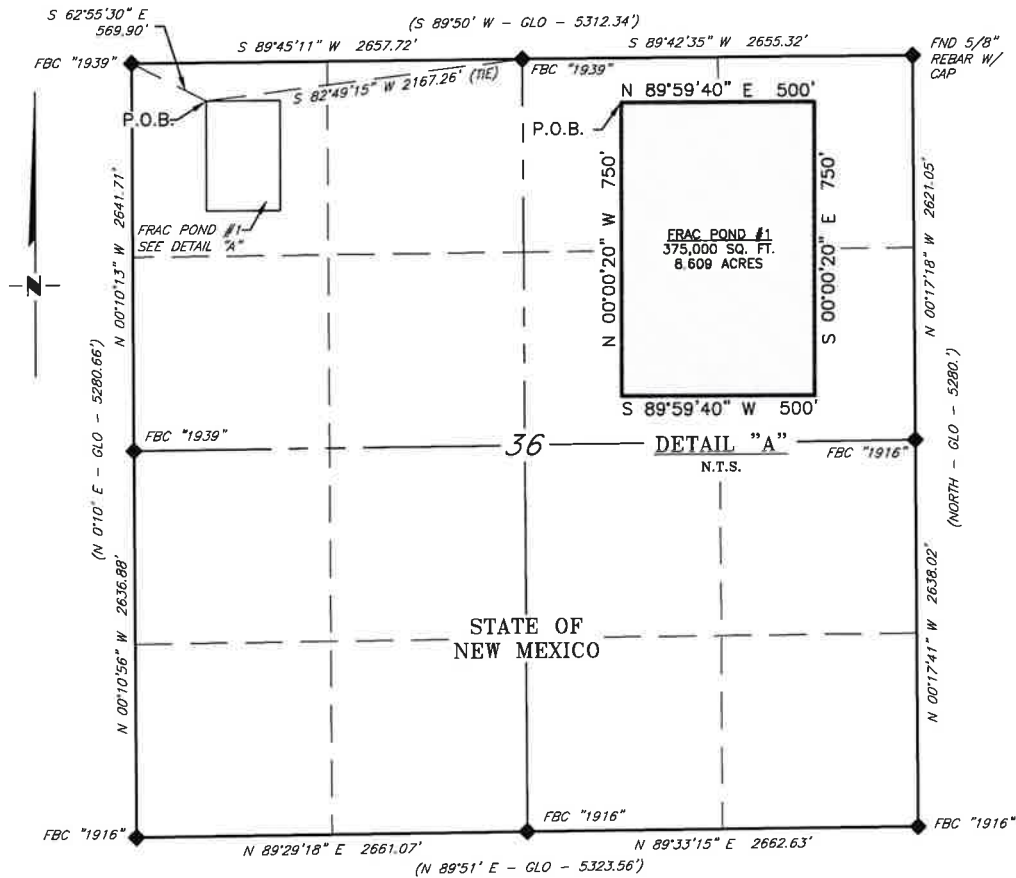


Figure 8: Distance to Stock & Domestic Water



Survey Plats

MEWBOURNE OIL COMPANY
SURVEY OF THE PROPOSED BEBOP FRAC POND #1
 NW 1/4, NW 1/4 SECTION 36, T25S, R31E
 N. M. P. M., EDDY COUNTY, NEW MEXICO



DESCRIPTION

A tract of land situated within the NW 1/4 of the NW 1/4 of Section 36, Township 25 South, Range 31 East, N. M. P. M. Eddy County, New Mexico, across State of New Mexico land, and being more particularly described by metes and bounds as follows:

BEGINNING at a point which bears, S 82°49'15" W, 2,167.26 feet from a brass cap, stamped "1939", found for the North quarter corner of Section 36 and being S 82°55'30" E, 569.90 feet from a brass cap, stamped "1939", found for the Northwest corner of Section 36;

Thence N 89°59'40" E, 500.00 feet, to a point;

Thence S 00°00'20" E, 750.00 feet, to a point;

Thence S 89°59'40" W, 500.00 feet, to a point;

Thence N 00°00'20" W, 750.00 feet, to the Point of Beginning.

Said tract of land contains 375,000 square feet or 8.609 acres, more or less.

NW 1/4 NW 1/4 375,000 Sq. Ft. 8.609 Acres

SCALE: 1" = 1000'
 0 500' 1000'
 BEARINGS ARE GRID NAD 83
 NM EAST
 DISTANCES ARE HORIZ. GROUND.

LEGEND
 () RECORD DATA - GLO
 ♦ FOUND MONUMENT
 AS NOTED

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
 Robert M. Howett NM PS 19680



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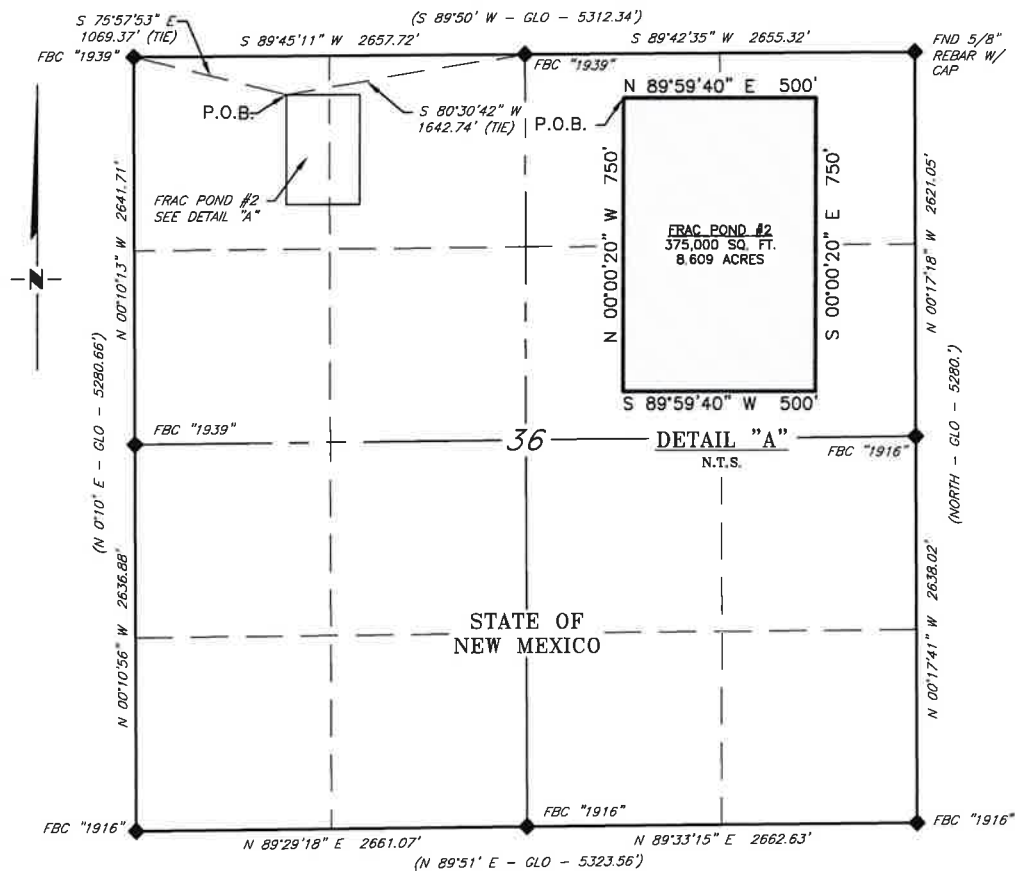
NO.	REVISION	DATE
JOB NO.:	LS1705311	
DWG. NO.:	1705311-1	



308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 7-05-17
SURVEYED BY: ML/JL
DRAWN BY: LPS
APPROVED BY: RMH
SHEET: 1 OF 2

MEWBOURNE OIL COMPANY
SURVEY OF THE PROPOSED BEBOP FRAC POND #2
 NW 1/4, SECTION 36, T25S, R31E
 N. M. P. M., EDDY COUNTY, NEW MEXICO



DESCRIPTION

A tract of land situated within the NW 1/4 of Section 36, Township 25 South, Range 31 East, N. M. P. M. Eddy County, New Mexico, across State of New Mexico land, and being more particularly described by metes and bounds as follows:

BEGINNING at a point which bears, S 80°30'42" W, 1,642.74 feet from a brass cap, stamped "1939", found for the North quarter corner of Section 36 and being S 75°57'53" E, 1,069.37 feet from a brass cap, stamped "1939", found for the Northwest corner of Section 36;

Thence N 89°59'40" E, 500.00 feet, to a point;

Thence S 00°00'20" E, 750.00 feet, to a point;

Thence S 89°59'40" W, 500.00 feet, to a point;

Thence N 00°00'20" W, 750.00 feet, to the Point of Beginning.

Said tract of land contains 375,000 square feet or 8.609 acres, more or less, and allocated by forties as follows:

NW 1/4 NW 1/4	220,133 Sq. Ft.	5.054 Ac.
NE 1/4 NW 1/4	154,867 Sq. Ft.	3.555 Ac.

SCALE: 1" = 1000'
 0 500' 1000'
 BEARINGS ARE GRID NAD 83
 NW EAST
 DISTANCES ARE HORIZ. GROUND.
 LEGEND
 () RECORD DATA - GLO
 ♦ FOUND MONUMENT
 AS NOTED

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
 Robert M. Howett NM PS 19680



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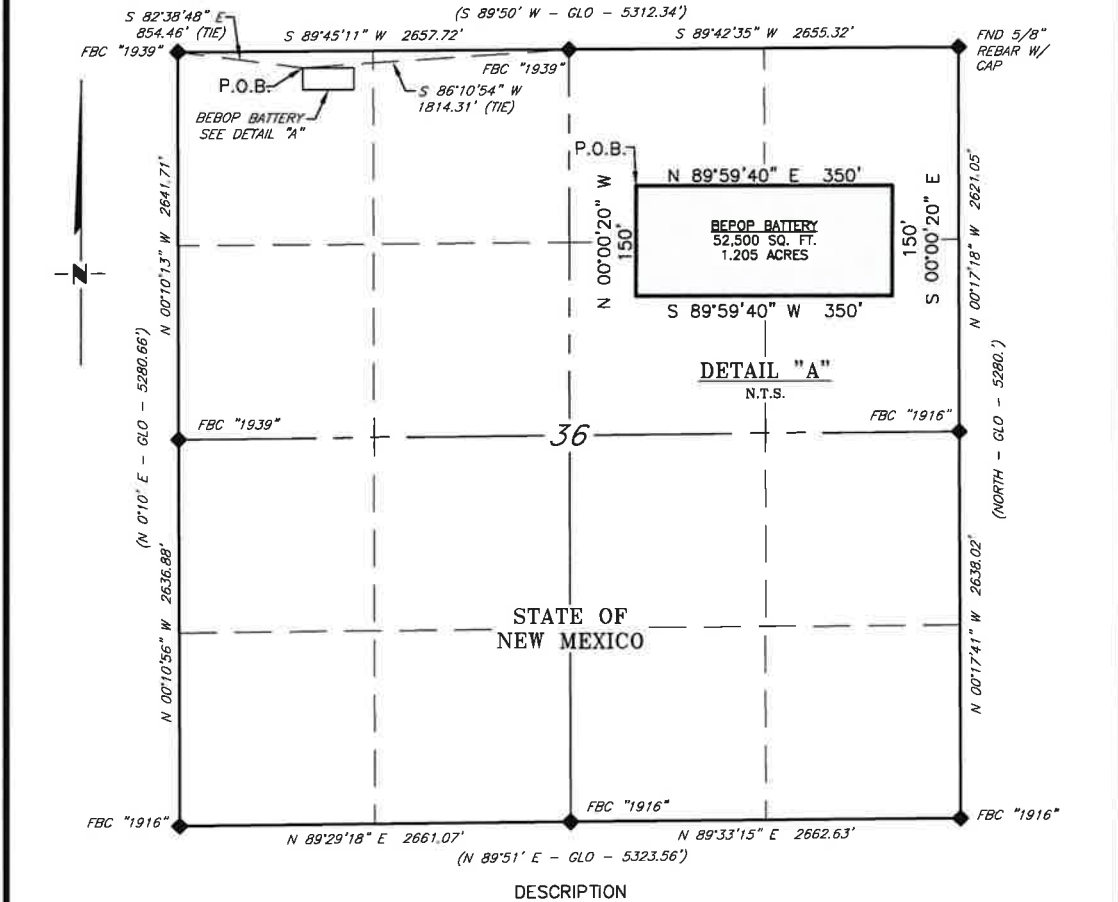
NO.	REVISION	DATE
JOB NO.:	LS1705311	
DWG. NO.:	1705311-2	



308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 7-05-17
SURVEYED BY: ML/JL
DRAWN BY: LPS
APPROVED BY: RMH
SHEET: 2 OF 2

**MEWBOURNE OIL COMPANY
SURVEY OF THE PROPOSED BEBOP BATTERY
NW 1/4, NW 1/4 SECTION 36, T25S, R31E
N. M. P. M., EDDY COUNTY, NEW MEXICO**



A tract of land situated within the NW 1/4 of the NW 1/4 of Section 36, Township 25 South, Range 31 East, N. M. P. M. Eddy County, New Mexico, across State of New Mexico land, and being more particularly described by metes and bounds as follows:

BEGINNING at a point which bears, S 86°10'54" W, 1,814.31 feet from a brass cap, stamped "1939", found for the North quarter corner of Section 36 and being S 82°38'48" E, 854.46 feet from a brass cap, stamped "1939", found for the Northwest corner of Section 36;

Thence N 89°59'40" E, 350.00 feet, to a point;

Thence S 00°00'20" E, 150.00 feet, to a point;

Thence S 89°59'40" W, 350.00 feet, to a point;

Thence N 00°00'20" W, 150.00 feet, to the Point of Beginning.

Said tract of land contains 52,500 square feet or 1.205 acres, more or less.

SCALE: 1" = 1000'
0 500' 1000'

BEARINGS ARE GRID NAD 83
NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND

() RECORD DATA - GLO
◆ FOUND MONUMENT
AS NOTED

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

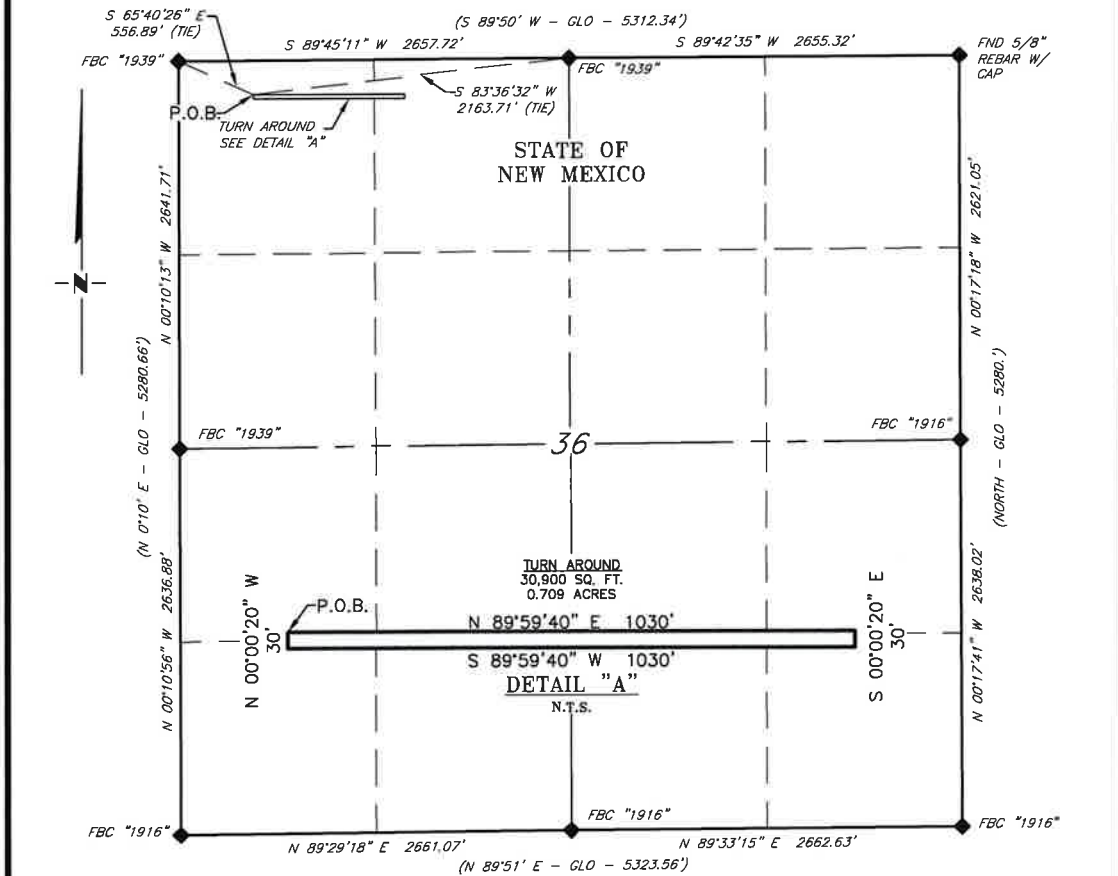
Robert M. Howett
Robert M. Howett NM PS 19680



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			 308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200	SCALE: 1" = 1000'
				DATE: 5-23-17
				SURVEYED BY: ML/JL
				DRAWN BY: KAKN
				APPROVED BY: RMH
NO.	REVISION	DATE		SHEET: 2 OF 7
JOB NO.: LS1705312				
DWG. NO.: 2-1705312				

**MEWBOURNE OIL COMPANY
SURVEY OF THE PROPOSED BEBOP TURN AROUND
SECTION 36, T25S, R31E
N. M. P. M., EDDY COUNTY, NEW MEXICO**



DESCRIPTION

A tract of land situated within the NW 1/4 of Section 36, Township 25 South, Range 31 East, N. M. P. M. Eddy County, New Mexico, across State of New Mexico land, and being more particularly described by metes and bounds as follows:

BEGINNING at a point which bears, S 83°36'32" W, 2,163.71 feet from a brass cap, stamped "1939", found for the North quarter corner of Section 36 and being S 65°40'26" E, 556.89 feet from a brass cap, stamped "1939", found for the Northwest corner of Section 36;

Thence N 89°59'40" E, 1030.00 feet, to a point;

Thence S 00°00'20" E, 30.00 feet, to a point;

Thence S 89°59'40" W, 1030.00 feet, to a point;

Thence N 00°00'20" W, 30.00 feet, to the Point of Beginning.

Said tract of land contains 30,900 square feet or 0.709 acres, more or less, and allocated by forties as follows:

NE 1/4 NW 1/4	6,232 Sq. Ft.	0.143 Ac.
NW 1/4 NW 1/4	24,668 Sq. Ft.	0.566 Ac.

SCALE: 1" = 1000'
0 500' 1000'

BEARINGS ARE GRID NAD 83
NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND

() RECORD DATA - GLO
◆ FOUND MONUMENT
AS NOTED

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680



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NO.	REVISION	DATE
JOB NO.:	LS1705312	
DWG. NO.:	5-1705312	



308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 5-23-17
SURVEYED BY: ML/JL
DRAWN BY: KAKN
APPROVED BY: RMH
SHEET: 5 OF 7

[illegible]

LINE TABLE		
LINE	BEARING	LENGTH
L1	S 85°35'12" E	442.29'
L2	S 71°30'35" E	96.79'
L3	S 87°17'37" E	314.92'

PROPOSED ACCESS ROAD

Robert M. Howett NM PS 19680



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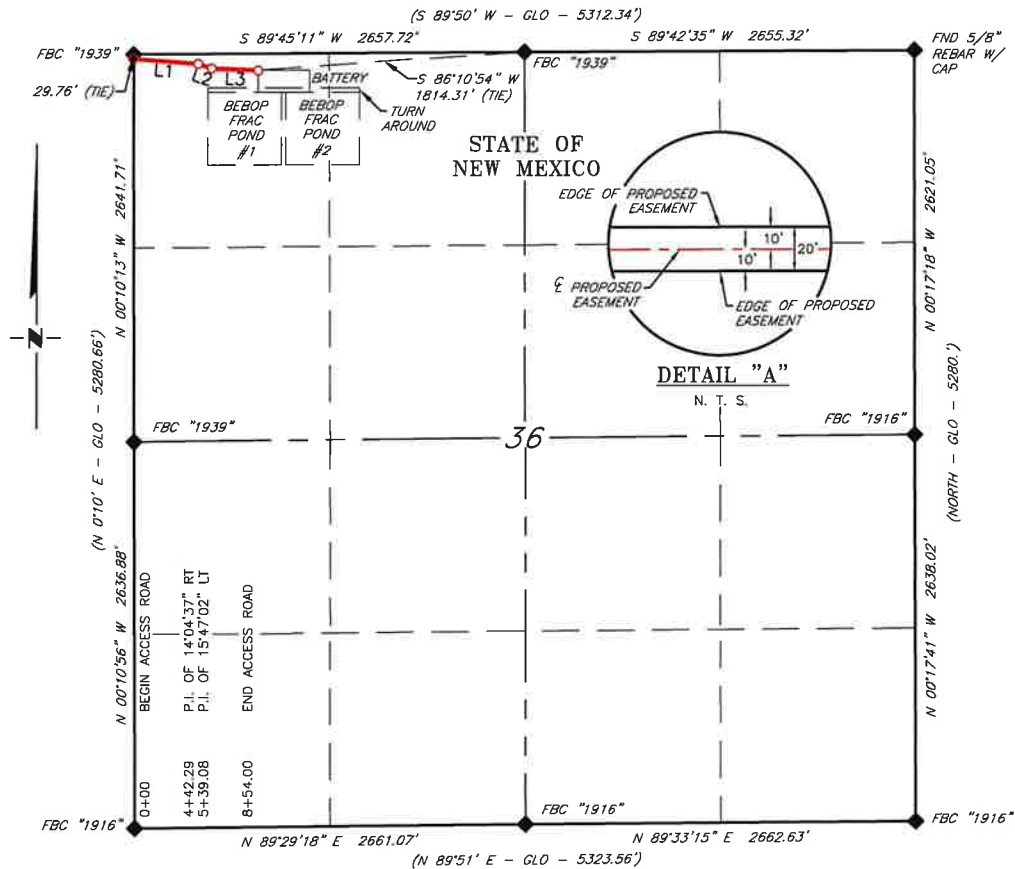
NO.	REVISION	DATE
JOB NO.: LS1705312		
DWG. NO.: 1-1705312		



308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 5-23-17
SURVEYED BY: ML/JL
DRAWN BY: KAKN
APPROVED BY: RMH
SHEET: 1 OF 7

MEWBOURNE OIL COMPANY
SURVEY OF THE PROPOSED ACCESS ROAD
TO THE BEBOP FRAC PONDS AND BATTERY
SECTION 36, T25S, R31E
N. M. P. M., EDDY COUNTY, NEW MEXICO



LINE TABLE		
LINE	BEARING	LENGTH
L1	S 85°35'12" E	442.29'
L2	S 71°30'35" E	96.79'
L3	S 87°17'37" E	314.92'

SCALE: 1" = 1000'
0 500' 1000'

BEARINGS ARE GRID NAD 83
NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND

() RECORD DATA - GLO

◆ FOUND MONUMENT
AS NOTED

— PROPOSED ACCESS ROAD

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680



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NO.	REVISION	DATE
JOB NO.:	LS1705312	
DWG. NO.:	6-1705312	



308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 5-23-17
SURVEYED BY: ML/JL
DRAWN BY: KAKN
APPROVED BY: RMH
SHEET: 6 OF 7

**MEWBOURNE OIL COMPANY
SURVEY OF THE PROPOSED ACCESS ROAD
TO THE BEBOP FRAC PONDS AND BATTERY
SECTION 36, T25S, R31E
N. M. P. M., EDDY COUNTY, NEW MEXICO**

DESCRIPTION

A strip of land 20 feet wide, being 854.00 feet or 51.758 rods in length, lying in Section 36, Township 25 South, Range 31 East, N. M. P. M., Eddy County, New Mexico, being 10 feet left and 10 feet right of the following described survey of a centerline across State of New Mexico land:

BEGINNING at Engr. Sta. 0+00, a point on the West line of Section 36, which bears, S 00°10'13" E, 29.76 feet from a brass cap, stamped "1939", found for the Northwest corner of Section 36;

Thence S 85°35'12" E, 442.29 feet, to Engr. Sta. 4+42.29, a P.I. of 14°04'37" right;

Thence S 71°30'35" E, 96.79 feet, to Engr. Sta. 5+39.08, a P.I. of 15°47'02" left;

Thence S 87°17'37" E, 314.92 feet, the End of Survey, a point in the Northwest quarter of Section 36, which bears, S 86°10'54" W, 1,814.31 feet from a brass cap, stamped "1939", found for the North quarter corner of Section 36.

Said strip of land contains 0.392 acres, more or less, and is allocated by forties as follows:

NW 1/4 NW 1/4 51.758 Rods 0.392 Acres

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			<div></div> <div>308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200</div>	SCALE: 1" = 1000'
				DATE: 5-23-17
				SURVEYED BY: ML/JL
NO.	REVISION	DATE		DRAWN BY: KAKN
JOB NO.: LS1705312				APPROVED BY: RMH
DWG. NO.: 7-1705312				SHEET: 7 OF 7

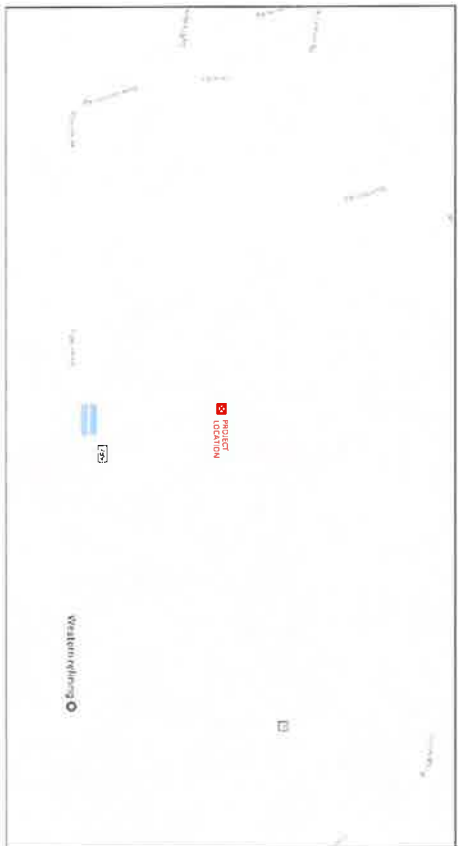
308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

Engineering Drawings

MEWBORNE OIL COMPANY

BEBOP FRAC PONDS

Section 36 - Township 25 South, Range 31 East, - Eddy County, New Mexico NMPM



Index to Drawings

Sheet No.	Description
1.	Cover Sheet
2.	Project Location Plan
3.	Site Plan
4.	Site Rep-Staking Plan
5.	Cross Sections
6.	Cross Sections
7.	Sump Plans and Details
8.	Miscellaneous Details
9.	Miscellaneous Details

Contacts

Mewborne Oil Company - Tyler Tugman

EnviroTech Engineering - Jimmy Stallings 505-234-8760
(Design Engineer)



STAGE STORAGE TABLE
WEST

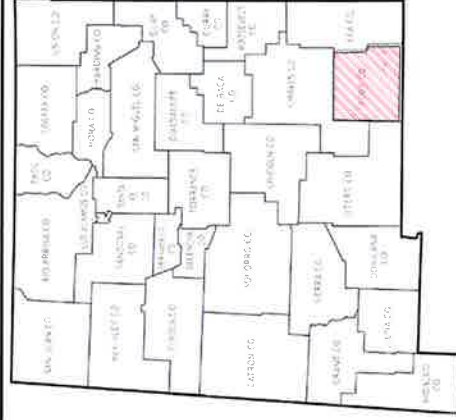
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					Cu. Ft.	Cu. Ft.		
3,324	213,189	1	210,405	3,484,388	26,063,221	620,553		
3,323	207,621	1	204,873	3,273,983	24,489,392	583,081		
3,322	202,125	1	199,413	3,069,110	22,956,942	546,594		
3,321	196,701	1	194,025	2,869,697	21,465,333	511,079		
3,320	191,349	1	188,709	2,675,672	20,014,026	476,524		
3,319	186,069	1	183,465	2,486,963	18,602,482	442,916		
3,318	180,861	1	178,293	2,303,498	17,230,164	410,242		
3,317	175,725	1	173,193	2,125,205	15,896,533	378,489		
3,316	170,661	1	168,165	1,952,012	14,601,049	347,644		
3,315	165,669	1	163,209	1,783,847	13,343,175	317,695		
3,314	160,749	1	158,325	1,620,638	12,122,371	288,628		
3,313	155,901	1	153,513	1,462,313	10,938,100	260,431		
3,312	151,125	1	148,773	1,308,800	9,789,823	233,091		
3,311	146,421	1	144,105	1,160,027	8,677,001	206,595		
3,310	141,789	1	139,509	1,015,922	7,599,096	180,981		
3,309	137,279	1	134,985	876,413	6,555,568	156,185		
3,308	132,741	1	130,533	741,428	5,545,881	132,045		
3,307	128,325	1	126,153	610,895	4,569,494	108,797		
3,306	123,981	1	121,845	484,742	3,625,869	86,330		
3,305	119,709	1	117,609	362,897	2,714,469	64,630		
3,304	115,509	1	113,445	245,288	1,834,753	43,685		
3,303	111,381	1	88,175	131,843	986,185	23,481		
3,302	64,970	1	37,800	43,667	326,633	7,777		
3,301	10,630	1	5,525	5,868	43,890	1,045		
3,300	419	1	343	343	2,566	61		
3,299	267	N/A	N/A	N/A	N/A	N/A		

STAGE STORAGE TABLE
EAST

Elevation	Area	Inc.	Depth	Inc.	Total Vol.	Total Vol.	Total Vol.
Ft.	Sq. Ft.	Ft.	Ft.	Cu. Ft.	Gallons	Barrels	
3,324	213,189	1	210.405	3,484,388	26,063,221	620,553	
3,323	207,621	1	204.873	3,273,983	24,489,392	583,081	
3,322	202,125	1	199.413	3,069,110	22,956,942	546,594	
3,321	196,701	1	194.025	2,869,697	21,465,333	511,079	
3,320	191,349	1	188.709	2,675,672	20,014,026	476,524	
3,319	186,069	1	183.465	2,486,963	18,602,482	442,916	
3,318	180,861	1	178.293	2,303,498	17,230,164	410,242	
3,317	175,725	1	173.193	2,125,535	15,896,533	378,489	
3,316	170,661	1	168.165	1,952,012	14,601,049	347,644	
3,315	165,669	1	163.209	1,783,847	13,343,175	317,695	
3,314	160,749	1	158.325	1,620,638	12,122,371	288,628	
3,313	155,901	1	153.513	1,462,313	10,938,100	260,431	
3,312	151,125	1	148.773	1,308,800	9,789,823	233,091	
3,311	146,421	1	144.105	1,160,027	8,677,001	206,595	
3,310	141,789	1	139.509	1,015,922	7,599,096	180,991	
3,309	137,229	1	134.985	876,413	6,555,568	156,085	
3,308	132,741	1	130.533	741,428	5,545,881	132,045	
3,307	128,325	1	126.153	610,895	4,569,949	108,797	
3,306	123,981	1	121.845	484,742	3,625,869	86,330	
3,305	119,709	1	117.609	362,897	2,714,669	64,630	
3,304	115,509	1	113.445	245,288	1,834,753	43,685	
3,303	111,381	1	88.175	131,843	986,185	23,481	
3,302	106,970	1	37,800	43,667	326,633	7,777	
3,301	10,630	1	5,525	5,868	43,800	1,045	
3,300	419	1	343	343	2,566	61	
3,299	267	N/A					

Freeboard Elevation

Sump



LOCATION PLAN

Section 36-Township 25 South, Range 31 East
N.M.P.M. - Eddy County, New Mexico

The site plan illustrates two rectangular basins, WEST 500K BBL and EAST 500K BBL, with various engineering details. The plan includes dimensions, elevations, and callouts for specific components like 'Singer System Pipes' and 'Singer Anchor'.

WEST 500K BBL
 Top Berm = 3324.5
 Bottom PI = 3302.5

EAST 500K BBL
 Top Berm = 3324.5
 Bottom PI = 3302.5

Basin Details:

- Slope:** @5:1
- Floor Liner:** (1) See Detail (3/8)
- Sump:** (1) See Detail (3/7)
- Water Level Marks:** (2) See Detail (3/8)
- Slope Liner:** (2) See Detail (3/8)
- Top of Berm Elev.:** 3324.5

Basin Dimensions:

- Basin Length:** 100'-0" (100'-0" x 2 = 200'-0")
- Basin Width:** 100'-0" (100'-0" x 2 = 200'-0")
- Basin Area:** 20,000 sq. ft.

Basin Perimeter Details:

- Singer System Pipes:** (6) See Detail (3/8)
- Singer Anchor:** (5) See Detail (3/8)
- Road Crest:** (3) See Detail (3/8)

Basin Elevation:

- Top of Berm Elev.:** 3324.5
- Bottom PI:** 3302.5

Basin Slope:

- Slope:** @5:1

Basin Floor Liner:

- Floor Liner:** (1) See Detail (3/8)

Basin Sump:

- Sump:** (1) See Detail (3/7)

Basin Water Level Marks:

- Water Level Marks:** (2) See Detail (3/8)

Basin Slope Liner:

- Slope Liner:** (2) See Detail (3/8)

Basin Top of Berm Elev.:

- Top of Berm Elev.:** 3324.5

Basin Bottom PI:

- Bottom PI:** 3302.5

Basin Area:

- Basin Area:** 20,000 sq. ft.

Basin Perimeter:

- Basin Perimeter:** 200'-0" x 200'-0" = 40,000 sq. ft.

Basin Slope:

- Slope:** @5:1

Basin Floor Liner:

- Floor Liner:** (1) See Detail (3/8)

Basin Sump:

- Sump:** (1) See Detail (3/7)

Basin Water Level Marks:

- Water Level Marks:** (2) See Detail (3/8)

Basin Slope Liner:

- Slope Liner:** (2) See Detail (3/8)

Basin Top of Berm Elev.:

- Top of Berm Elev.:** 3324.5

Basin Bottom PI:

- Bottom PI:** 3302.5

Basin Area:

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Basin Slope:

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Basin Floor Liner:

- Floor Liner:** (1) See Detail (3/8)

Basin Sump:

- Sump:** (1) See Detail (3/7)

Basin Water Level Marks:

- Water Level Marks:** (2) See Detail (3/8)

Basin Slope Liner:

- Slope Liner:** (2) See Detail (3/8)

Basin Top of Berm Elev.:

- Top of Berm Elev.:** 3324.5

Basin Bottom PI:

- Bottom PI:** 3302.5

Basin Area:

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Basin Perimeter:

- Basin Perimeter:** 200'-0" x 200'-0" = 40,000 sq. ft.

Basin Slope:

- Slope:** @5:1

Basin Floor Liner:

- Floor Liner:** (1) See Detail (3/8)

Basin Sump:

- Sump:** (1) See Detail (3/7)

Basin Water Level Marks:

- Water Level Marks:** (2) See Detail (3/8)

Basin Slope Liner:

- Slope Liner:** (2) See Detail (3/8)

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Basin Floor Liner:

- Floor Liner:** (1) See Detail (3/8)

Basin Sump:

- Sump:** (1) See Detail (3/7)

Basin Water Level Marks:

- Water Level Marks:** (2) See Detail (3/8)

Basin Slope Liner:

- Slope Liner:** (2) See Detail (3/8)

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Basin Floor Liner:

- Floor Liner:** (1) See Detail (3/8)

Basin Sump:

- Sump:** (1) See Detail (3/7)

Basin Water Level Marks:

- Water Level Marks:** (2) See Detail (3/8)

Basin Slope Liner:

- Slope Liner:** (2) See Detail (3/8)

Basin Top of Berm Elev.:

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Basin Bottom PI:

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Basin Area:

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Basin Perimeter:

- Basin Perimeter:** 200'-0" x 200'-0" = 40,000 sq. ft.

Basin Slope:

- Slope:** @5:1

Basin Floor Liner:

- Floor Liner:** (1) See Detail (3/8)

Basin Sump:

- Sump:** (1) See Detail (3/7)

Basin Water Level Marks:

- Water Level Marks:** (2) See Detail (3/8)

Basin Slope Liner:

- Slope Liner:** (2) See Detail (3/8)

Basin Top of Berm Elev.:

- Top of Berm Elev.:** 3324.5

Basin Bottom PI:

- Bottom PI:** 3302.5

Basin Area:

- Basin Area:** 20,000 sq. ft.

Basin Perimeter:

- Basin Perimeter:** 200'-0" x 200'-0" = 40,000 sq. ft.

Basin Slope:

- Slope:** @5:1

Basin Floor Liner:

- Floor Liner:** (1) See Detail (3/8)

Basin Sump:

- Sump:** (1) See Detail (3/7)

Basin Water Level Marks:

- Water Level Marks:** (2) See Detail (3/8)

Basin Slope Liner:

- Slope Liner:** (2) See Detail (3/8)

Basin Top of Berm Elev.:

- Top of Berm Elev.:** 3324.5

Basin Bottom PI:

- Bottom PI:** 3302.5

Basin Area:

- Basin Area:** 20,000 sq. ft.

Basin Perimeter:

- Basin Perimeter:** 200'-0" x 200'-0" = 40,000 sq. ft.

Basin Slope:

- Slope:** @5:1

Basin Floor Liner:

- Floor Liner:** (1) See Detail (3/8)

Basin Sump:

- Sump:** (1) See Detail (3/7)

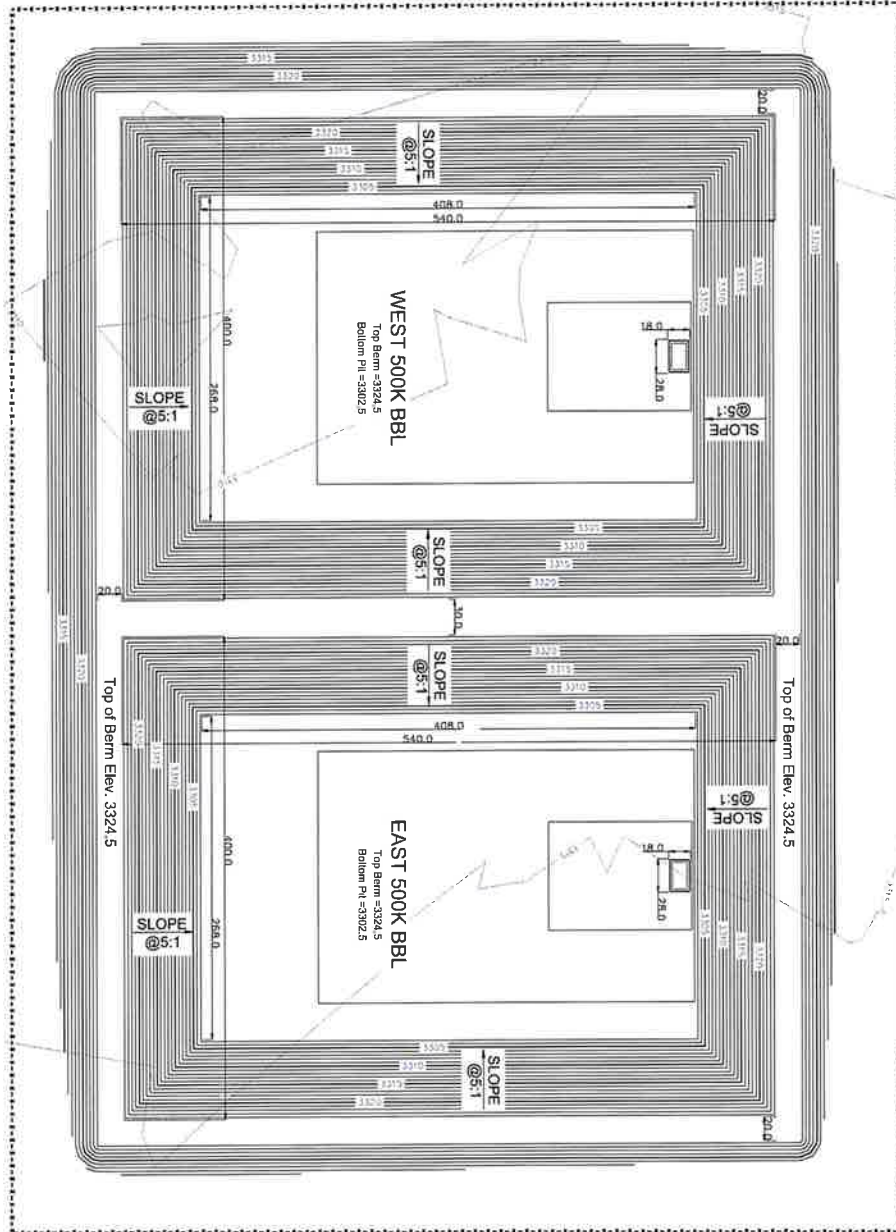
Basin Water Level Marks:

- Water Level Marks:** (2) See Detail (3/8)

[illegible]

Bebop Frac Ponds
Section 36-Township 25 South, Range 31 East
N.M.P.M. - Eddy County, New Mexico





4 OF 9

July 2017
T. Williams
J. Stallings
17.232.03

SITE REP-STAKING
 BeboP Frac Ponds
 Section 36-Township 25 South, Range 31 East
 N.M.P.M. - Eddy County, New Mexico

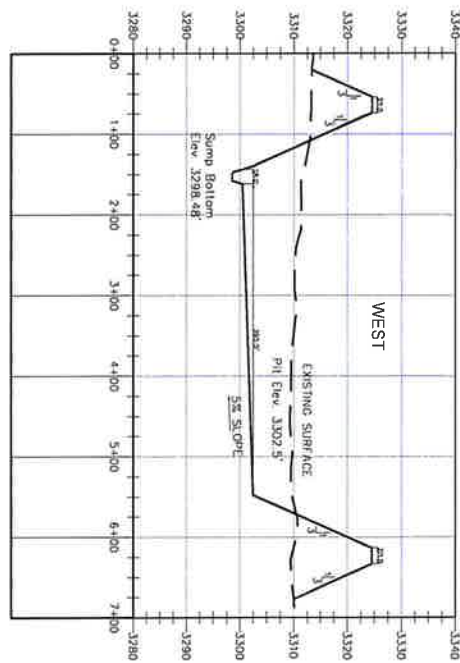


Copyright

17.232.03	17.232.03	17.232.03	17.232.03
17.232.03	17.232.03	17.232.03	17.232.03
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17.232.03	17.232.03	17.232.03	17.232.03

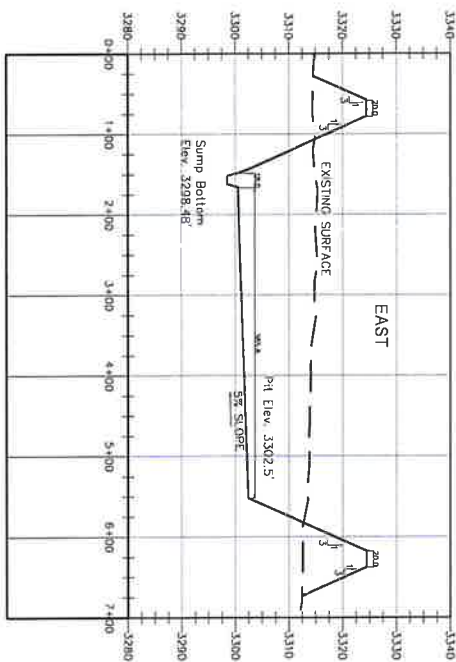
ENVIROTECH

Bebop Alignment – A-A



Elevation

Bebop Alignment – B-B



Elevation



NO.	DATE	REVISION	DESIGNED BY	CHECKED BY

ENVIROTECH
ENGINEERING & CONSULTING, INC.
222 WEST 10TH AVE. SUITE 100
DENVER, CO 80202
TEL: 303.733.1111 FAX: 303.733.1112
WWW.ENVIROTECH-INC.COM

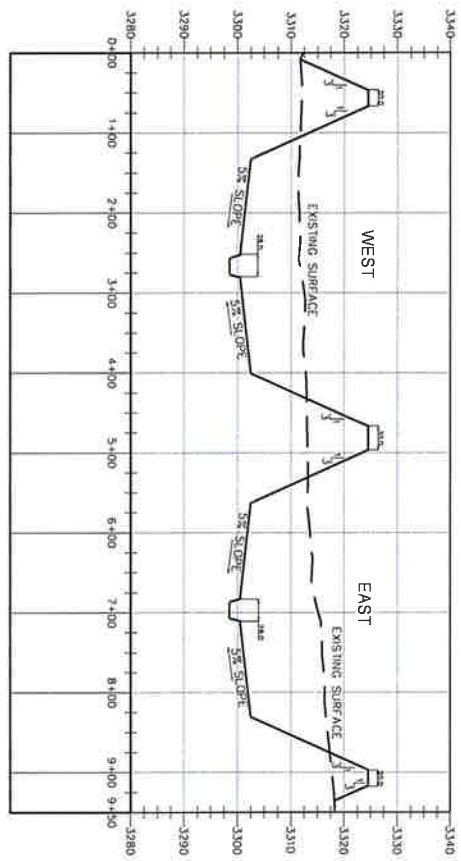


CROSS SECTIONS
Bebop Frac Ponds
Section 36-Township 25 South, Range 31 East
N.M.P.M. - Eddy County, New Mexico

5 of 9

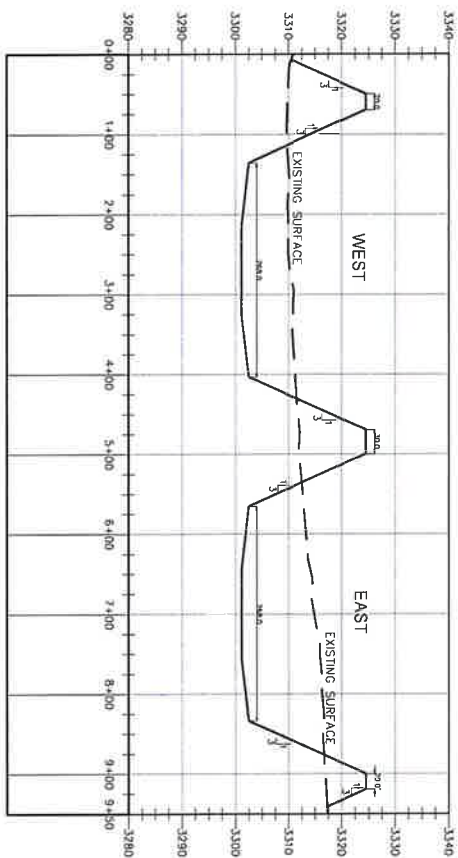
DATE	July 2017
NTS	
DESIGNED BY	T. Williams
CHECKED BY	R. Shott
DATE	17.232.03

Bebop Alignment - C-C



Elevation

Bebop Alignment - D-D



Elevation

APPENDIX
B
Bebop Alignment - C-C
Bebop Alignment - D-D

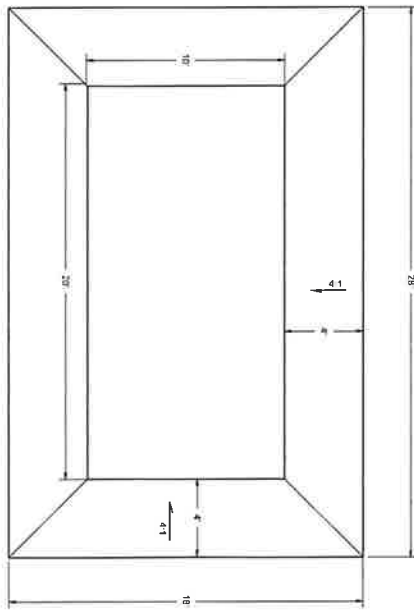
DATE	BY	REVISION	DATE	BY	REVISION

ENVIROTECH
ENGINEERING & CONSULTING, INC.
201 North 2nd Street, Suite 200
Tulsa, Oklahoma 74102
Phone: (918) 591-1234
Fax: (918) 591-1235
www.envirotechinc.com

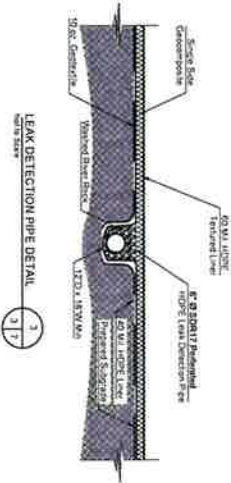
M_{OC}
MEWBOURNE
OIL COMPANY

CROSS SECTION (2)
Bebop Frac Ponds
Section 36-Township 25 South, Range 31 East
N.M.P.M. - Eddy County, New Mexico

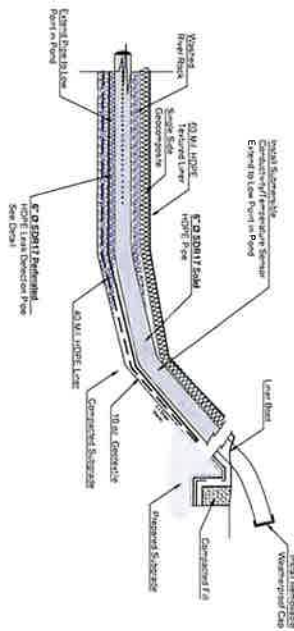
DATE	July 2017
BY	NFS
CHECKED BY	F. Williams
DESIGNED BY	R. Spout
APPROVED BY	J. Stallings
PROJECT NO.	17-232-03



POND SLUMP PLAN VIEW
NORTH ARROW



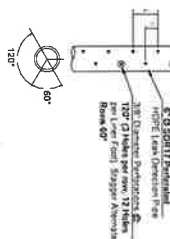
LEAK DETECTION PIPE DETAIL
NORTH ARROW



LEAK DETECTION/SAMPLING SYSTEM DETAIL
NORTH ARROW

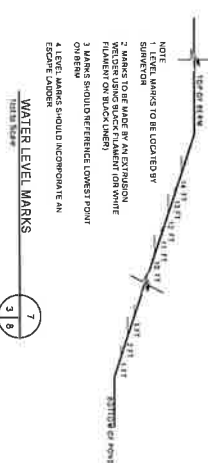
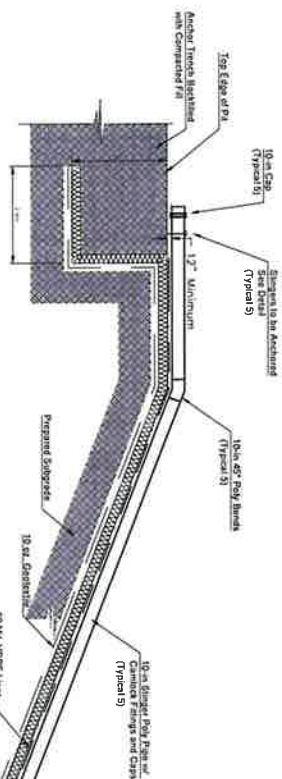
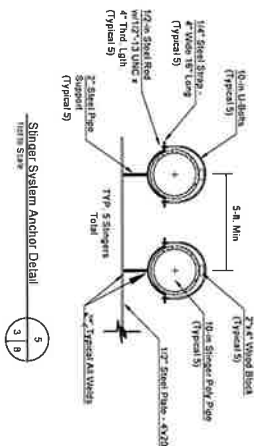
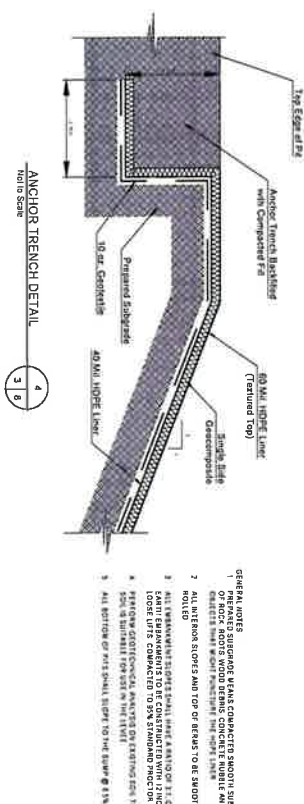
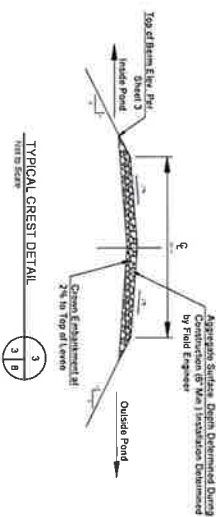
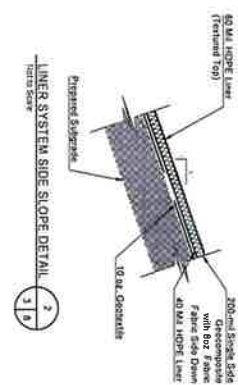
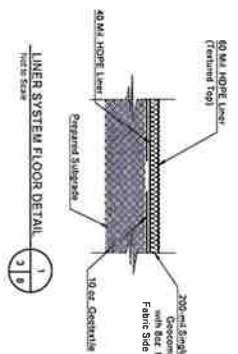
- NOTES:
1. LEAK DETECTION SYSTEM TO BE INSTALLED
 2. PERFORATED PIPE TO BE LOCATED IN BOTTOM
 3. SLOTTED END TO BE LOCATED TO THE
 4. SLOTTED END TO BE LOCATED TO THE
 5. SLOTTED END TO BE LOCATED TO THE

PERFORATED PIPE DETAIL
NORTH ARROW



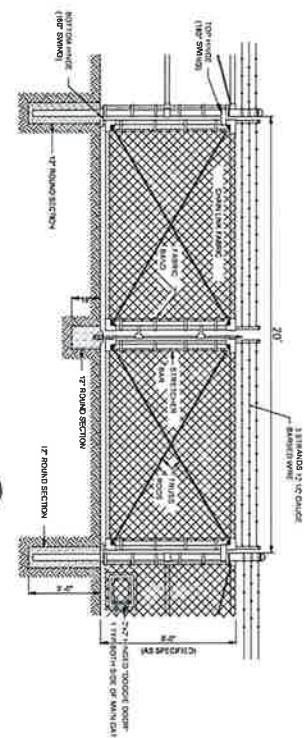
SUMP PLANS AND DETAILS

Bebop Frac Ponds
Section 36-Township 25 South, Range 31 East
N.M.P.M., - Eddy County, New Mexico



MISC DETAILS

Bebop Frac Ponds
Section 36-Township 25 South, Range 31 East
N.M.P.M. - Eddy County, New Mexico



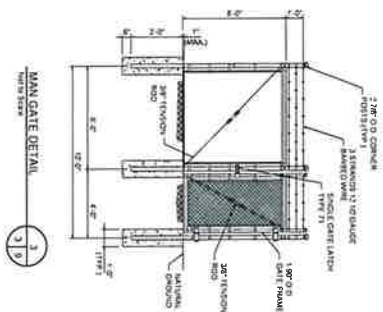
END, CORNER, & STRETCHER DETAILS
STRETCHER DETAILS AT ALL CORNERS BEADS IN ROW ON HILLTOP,
ALLEYS OR DEEP DEPRESSIONS AND AT 500' MAXIMUM SPACING



FAN DETAILS
SEE PLANS FOR APPROX. LOC.



TIE WIRE DETAIL



MAN GATE DE L'ART

[illegible]

○ **MAXIMUM WIDTH:** SINGLE ROWS CASTING TO 18 IN. (457 MM) MAY BE USED IN 18 IN. (457 MM) CHAIRS WITH 18 IN. (457 MM) SPACING. DOUBLE ROWS ARE MAXIMUM VALUES. DEPTHS FOR ROCK ARE UNLIMITED. DEPTHS SHOWN FOR CONCRETE FOOTINGS IN EXAMINER ARE UNUSUAL FOR FT. HIGH PILES AND MAY BE REDUCED 1 IN. FOR EACH FOOT OF EXPOSED HEIGHT LESS THAN 6 FT. HIGH.
 ▲ **WIRE:** SHALL BE HOT TREATED EPOXY COATED FOR THE ENTIRE LENGTH OF THE PILE.
 ○ **SECTION FORMULAS:** AS SHOWN IS BASED ON PILE AREA AND MOMENT INERTIAL. SEE SPECIFICATIONS FOR SUBSTITUTION FORMULA ON CLASS 2 COLD FORMED STEEL PILE.
 ○ **SECTION FORMULAS:** AS SHOWN IS BASED ON PILE AREA 90° AND MOMENT IN 90°. SEE SPECIFICATIONS FOR SUBSTITUTION FORMULA ON CLASS 2 COLD FORMED STEEL PILE.

Material Specs



Sales Office:
Engineered Synthetic Products, Inc.
Phone (770) 564-1857
Fax (770) 564-1818
www.espgeosynthetics.com

Geotextile Product Description Sheet

SKAPS Mustang-10 Nonwoven Geotextile

SKAPS Mustang-10 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS Mustang-10 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS Mustang-10 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Grab Tensile	ASTM D 4632	lbs	225
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs	90
CBR Puncture Resistance	ASTM D 6241	lbs	600
Permittivity*	ASTM D 4491	sec ⁻¹	1.26
Flow Rate*	ASTM D 4491	gpm/ft ²	100
AOS*	ASTM D 4751	US Sieve (mm)	80 (.180)
UV Resistance	ASTM D 4355	%/hrs	70/500

* At the time of manufacturing. Handling, storage, and shipping may change these properties.

PACKAGING	
Roll Dimensions (W x L) – ft	15 x 1200
Square Yards Per Roll	2000
Estimated Roll Weight - lbs	1100

This information is provided for reference purposes only and is not intended as a warranty or guarantee. SKAPS assumes no liability in connection with the use of this information.

SKAPS Industries, 316 S. Holland Dr., Pendergrass, GA 30567, Phone (706) 693-3440, Fax (706) 693-3450, Email: info@skaps.com

Made in U.S.A.



TECHNICAL DATA SHEET

Premium HD Series, 40 mils

Black, Smooth

2801 Boul. Marie-Victorin Varennes Quebec Canada J3X 1P7
Tel: (450) 929-1234 Sales: (450) 929-2544 Toll free in North America: 1 800-571 3904 www.Solmax.com www.solmax.com

PROPERTY	TEST METHOD	FREQUENCY ⁽¹⁾	UNIT Imperial	1001375
SPECIFICATIONS				
Thickness (min. avg.)	ASTM D-5199	Every roll	mils	40.0
Thickness (min.)	ASTM D-5199	Every roll	mils	36.0
Melt Index - 190/2.16 (max.)	ASTM D-1238	1/Batch	g/10 min	1.0
Sheet Density (8)	ASTM D-792	Every 10 rolls	g/cc	≥ 0.94
Carbon Black Content (9)	ASTM D-4218	Every 2 rolls	%	2.0 - 3.0
Carbon Black Dispersion	ASTM D-5596	Every 10 rolls	Category	Cat. 1 & Cat. 2
OIT - standard (avg.)	ASTM D-3895	Per formulation	min	160
HPOIT - High Pressure (avg)	ASTM D-5885	Per formulation	min	800
Tensile Properties (min. avg) (2)	ASTM D-6693	Every 2 rolls		
Strength at Yield			ppi	84
Elongation at Yield			%	13
Strength at Break			ppi	152
Elongation at Break			%	750
Tear Resistance (min. avg.)	ASTM D-1004	Every 5 rolls	lbf	28
Puncture Resistance (min. avg.)	ASTM D-4833	Every 5 rolls	lbf	85
Dimensional Stability	ASTM D-1204	Certified	%	± 2
Stress Crack Resistance (SP-NCTL) (avg.)	ASTM D-5397	1/Batch	hr	1000
Multi-Axial Tensile (min. avg.)	ASTM D-5617	Per formulation	%	15
Oven Aging - % retained after 90 days	ASTM D-5721	Per formulation		
HP OIT (min. avg.)	ASTM D-5885		%	80
UV Res. - % retained after 1600 hr	GRI-GM-11	Per formulation		
HP-OIT (min. avg.)	ASTM D-5885		%	80
SUPPLY SPECIFICATIONS (Roll dimensions may vary ±1%)				
Roll Dimension - Width	-		ft	22.3
Roll Dimension - Length	-		ft	780
Area (Surface/Roll)	-		sf	17394

NOTES

1. Testing frequency based on standard roll dimension and one batch is approximately 180,000 lbs (or one railcar).
 2. Machine Direction (MD) and Cross Machine Direction (XMD or TD) average values should be on the basis of 5 specimens each direction.
 8. Correlation table is available for ASTM D792 vs ASTM D1505. Both methods give the same results.
 9. Correlation table is available for ASTM D1603 vs ASTM D4218. Both methods give the same results.
- * All values are nominal test results, except when specified as minimum or maximum.
* The information contained herein is provided for reference purposes only and is not intended as a warranty of guarantee. Final determination of suitability for use contemplated is the sole responsibility of the user. SOLMAX assumes no liability in connection with the use of this information.

(Rev 03 / 2016-03-31)

Solmax is not a design professional and has not performed any design services to determine if Solmax's goods comply with any project plans or specifications, or with the application or use of Solmax's goods to any particular system, project, purpose, installation or specification.



SKAPS Industries
571 Industrial Parkway
Commerce, GA 30529 (U.S.A.)
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**SKAPS TRANSNET™ (TN)
HDPE GEONET 220**

SKAPS TRANSNET™ Geonet consists of SKAPS GeoNet made from HDPE resin.

Property	Test Method	Unit	Required Value	Qualifier
Geonet				
Thickness	ASTM D 5199	mil.	220±20	Range
Carbon Black	ASTM D 4218	%	2 to 3	Range
Tensile Strength	ASTM D 7179	lb/in	45	Minimum
Melt Flow	ASTM D 1238 ³	g/10 min.	1	Maximum
Density	ASTM D 1505	g/cm ³	0.94	Minimum
Transmissivity ¹	ASTM D 4716	m ² /sec.	2x10 ⁻³	MARV ²

Notes:

1. Transmissivity measured using water at 21 ± 2°C (70 ± 4°F) with a gradient of 0.1 and a confining pressure of 10000 psf between stainless steel plates after 15 minutes. Values may vary between individual labs.
2. MARV is statistically defined as mean minus two standard deviations and it is the value which is exceeded by 97.5% of all the test data.
3. Condition 190/2.16

This information is provided for reference purposes only and is not intended as a warranty or guarantee. SKAPS assumes no liability in connection with the use of this information.



TECHNICAL DATA SHEET

Premium HD Series, 60 mils

Conductive, Smooth

2801 Boul. Marie-Victorin Varennes, Quebec Canada J3X 1P7
Tel: (450) 929-1234 Sales: (450) 929-2544 Toll free in North America: 1-800-571-3904 www.Solmax.com www.solmax.com

PROPERTY	TEST METHOD	FREQUENCY ^(a)	UNIT Imperial	1001688
SPECIFICATIONS				
Thickness (min. avg.)	ASTM D-5199	Every roll	mils	60.0
Thickness (min.)	ASTM D-5199	Every roll	mils	54.0
Melt Index - 190/2.16 (max.)	ASTM D-1238	1/Batch	g/10 min	1.0
Sheet Density (8)	ASTM D-792	Every 10 rolls	g/cc	≥ 0.94
Carbon Black Content (9)	ASTM D-4218	Every 2 rolls	%	2.0 - 3.0
Carbon Black Dispersion	ASTM D-5596	Every 10 rolls	Category	Cat. 1 & Cat. 2
OIT - standard (avg.)(6)	ASTM D-3895	Per formulation	min	160
HPOIT - High Pressure (avg.)(6)	ASTM D-5885	Per formulation	min	800
Tensile Properties (min. avg) (2)	ASTM D-6693	Every 2 rolls		
Strength at Yield			ppi	132
Elongation at Yield			%	13
Strength at Break			ppi	243
Elongation at Break			%	750
Tear Resistance (min. avg.)	ASTM D-1004	Every 5 rolls	lbf	42
Puncture Resistance (min. avg.)	ASTM D-4833	Every 5 rolls	lbf	125
Dimensional Stability	ASTM D-1204	Certified	%	± 2
Stress Crack Resistance (SP-NCTL) (avg.)	ASTM D-5397	1/Batch	hr	1000
Multi-Axial Tensile (min. avg.)	ASTM D-5617	Per formulation	%	15
Oven Aging - % retained after 90 days	ASTM D-5721	Per formulation		
HP OIT (min. avg.)	ASTM D-5885		%	80
UV Res. - % retained after 1600 hr	GRI-GM-11	Per formulation		
HP-OIT (min. avg.)	ASTM D-5885		%	80
Volume Resistivity (max.)	ASTM D-4496	Every 10 rolls	Ohm•m	10
SUPPLY SPECIFICATIONS (Roll dimensions may vary ±1%)				
Roll Dimension - Width	-		ft	22.0
Roll Dimension - Length	-		ft	520
Area (Surface/Roll)	-		sf	11440
Application (10)	-	-	-	Conductive

(Rev. 03 / 2016-12-14)

NOTES

1. Testing frequency based on standard roll dimension and one batch is approximately 180,000 lbs (or one railcar).
2. Machine Direction (MD) and Cross Machine Direction (XMD or TD) average values should be on the basis of 5 specimens each direction.
6. Modified. Samples should be taken on the core layer only.
6. Modified. Samples should be taken on the core layer only.
8. Correlation table is available for ASTM D792 vs ASTM D1505. Both methods give the same results.
9. Correlation table is available for ASTM D1603 vs ASTM D4218. Both methods give the same results.
10. The conductive layer may cause the carbon black content results to be higher than 3%, specified on the data sheet.

* All values are nominal test results, except when specified as minimum or maximum.

* The information contained herein is provided for reference purposes only and is not intended as a warranty of guarantee. Final determination of suitability for use contemplated is the sole responsibility of the user. SOLMAX assumes no liability in connection with the use of this information.

Solmax is not a design professional and has not performed any design services to determine if Solmax's goods comply with any project plans or specifications, or with the application or use of Solmax's goods to any particular system, project, purpose, installation or specification.

Avian Protection Device Specs

MEGABLASTER PRO (MEGA) SPECS

- Coverage: Up to 30 acres from single unit
- Box dimensions: 32" x 24" x 5" / Shipping weight: 17 lbs
- Power Input: 12vDC (3 amps) via solar panel and battery
- Sound Pressure: up to 125 decibels
- Frequency: 2,000–10,000 Hz
- Compliance: UL and CE listed
- EPA Est. 075310-OR-001
- Included: Generating unit with two built-in high-output amplifiers, 20-speaker tower with audio cables, 40 watt solar panel, battery clips and all mounting hardware.
- Proudly made in the USA