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MINING & MINERALS DIVISION

PART 3
MINIMAL IMPACT EXPLORATION OPERATION
PERMIT APPLICATION

Accompanying instructions for this permit application are available from MMD, and on MMD webpage:

http://www.emnrd.state.nm.us/MMD/MARP/MARPApplicationandReportingForms.htm

Send 6 copies of the completed application to:

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
Director
Mining and Minerals Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505
Telephone: (505) 476-3400

Webpage: www.emnrd.state.nm.us/MMD/index.htm

CHECK OFF LIST TO DETERMINE YOUR PROJECT'S STATUS AS A MINIMAL IMPACT EXPLORATION OPERATION:

☐ Yes ☑ No My project **will exceed 1000 cubic yards of excavation**, per permit.

☐ Yes ☑ No Surface disturbances for constructed roads, drill pads and mud pits **will exceed 5 acres** total for my project.

☐ Yes ☑ No My project is located in or is expected to have a direct surface impact on wetlands, springs, perennial or intermittent streams, lakes, rivers reservoirs or riparian areas.

☐ Yes ☑ No My project is located in designated critical habitat areas as determined in accordance with the federal Endangered Species Act of 1973 or in areas determined by the Department of Game and Fish likely to result in an adverse impact on an endangered species designated in accordance with the Wildlife Conservation Act, Sections 17-2-37 through 17-2-46 NMSA 1978 or by the State Forestry Division for the Endangered Plants Act, section 75-6-1 NMSA 1978.

☐ Yes ☑ No My project is located in an area designated as Federal Wilderness Area,

Wilderness Study Area, Area of Critical Environmental Concern, or an area within the National Wild and Scenic River System.

☐ Yes ☑ No My project is located in a known cemetery or other burial ground.

☐ Yes ☑ No My project is located in an area with cultural resources listed on either the National Register of Historic Places or the State Register of Cultural Properties.

☐ Yes ☑ No My project will or is expected to have a direct impact on ground water that has a total dissolved solids concentration of less than 10,000 mg/L, except exploratory drilling intersecting ground water may be performed as a minimal impact operation.

☐ Yes ☑ No My project is expected to use or using cyanide, mercury amalgam, heap leaching or dump leaching in its operations.

☐ Yes ☑ No My project is expected to result in point or non-point source surface or subsurface releases of acid or other toxic substances from the permit area.

☐ Yes ☑ No My project requires a variance from any part of the Mining Act Rules as part of the permit application.

If you answer yes to any of the above questions, your project does not qualify as a minimal impact exploration operation.

Confidential Information

☐ Yes ☑ No Is any of the information submitted in this application considered by the applicant to be confidential in nature? If yes, please provide this information separately and marked as "confidential."

Timeline

- Exploration applications must be provided no less than 45 days prior to the anticipated date of operations desired by the applicant.
- Renewal applications shall be filed at least 30 days preceding expiration of the current permit. Permits are valid for one year.
- Approved permit is valid for one year from the date of approval.

SECTION 1 – OPERATOR INFORMATION (§304.D.1)

Project Name: Ramsey NM Spike Camp

Nearest Town To Project: Magdalena, NM - See Attachment B - General Site Location

Applicant Name and Contact Information (entity obligated under the Mining Act):

Name: Gary Wayne Ramsey

Address: 2033 Industrial Drive

McAllen, TX 78504

Office Phone: 956-630-2749 Cell Phone: 965-605-7961

Fax Number: _____ Email: gwrprod@aol.com

Name of On-Site Contact, Representative, or Consultant:

Name: Gale Roberts

Address: 132 Dark Canyon Road

Magdalena, NM 82941

Office Phone: _____ Cell Phone: 307-920-1766

Fax Number: _____ Email: tetonthinker@gmail.com

SECTION 2 – RIGHT TO ENTER INFORMATION (§302.D.1)

A. Describe or attach copies of documents that give the applicant the right to enter the property to conduct the exploration and reclamation, include: lease agreements, access agreements, right of way agreements, surface owner agreements, and claim numbers, if applicable.

Please find attached the deed to the property that conveys ownership to Gary Wayne Ramsey. See Attachment A - Ramsey Deed.

Attachment A

B. List the names and addresses of surface and mineral ownership within the proposed permit area. If the mineral is federal mineral, indicate as federal mineral, but provide the name of the claim holder or lease holder.

Surface Estate Owner(s):

Name	Address	Phone #
☐ U.S. BLM		
☐ U.S. Forest Service		
☐ State of NM		
☒ Private/Corporate		956-630-2749
Name: Gary Wayne Ramsey	2033 Industrial Drive	
☐ Other	McAllen, TX 78504	
Name:		

Lease Holder(s) of Surface Estate (if applicable):

Name	Address	Phone #
_____	_____	_____
	_____	
_____	_____	_____
	_____	

Mineral Estate Owner(s):

Name	Address	Phone #
☐ Bureau of Land Management	_____	_____
	_____	
☐ US Forest Service	_____	_____
	_____	
☐ State of NM	_____	_____
	_____	
☐ Claim/Lease Holder	_____	_____
Name: _____	_____	
Claim Numbers: _____		
☐ Claim/Lease Holder	_____	_____
Name: _____	_____	
Claim Numbers: _____		
☒ Other	Gary Wayne Ramsey	_____
Name: Private Property	_____	

C. Has a Cultural Resource Survey been performed on the site? ☐ Yes ☒ No

If yes, please provide the author, title, date and report number, and include a copy of the survey with this application, if possible:

Attachment _____

D. Has a wildlife survey or vegetation survey been performed for the permit area?

☐ Yes ☒ No If yes, please provide the author, title, date and report number, and include a copy of the survey with this application, if possible:

Attachment _____

SECTION 3 – MAPS AND PROJECT LOCATION (§302.D.2)

A. Project Location:

Township 3 South Range 4 West Section SW 1/4 29

Township _____ Range _____ Section _____

Township _____ Range _____ Section _____

List the drill hole/exploration name and the GPS coordinates for each site.

I.D. Number	Northing / Latitude	Easting / Longitude
Drill #1	34° 1.056'N	107° 16.754'W
Drill #2	34° 1.056'N	107° 16.753'W
Drill #3	34° 1.030'N	107° 16.717'W
Drill #4	34° 1.029'N	107° 16.716W
Drill #5	34° 1.009'N	107° 16.726'W
Drill #6	34° 1.009'N	107° 16.825'W

I.D. Number	Northing / Latitude	Easting / Longitude

Coordinate system used to collect GPS data points:

- ☐ NAD83 Geographic
- ☐ NAD83 UTM Zone 13 (or 12)
- ■ WGS 1984
- ☐ NAD27 Geographic
- ☐ NAD27 UTM Zone 13 (or 12)
- ■ Other: Using Google Earth - Land Marks for a

Attachment C (for listing additional boreholes)

B. Maps (see application form instructions for examples of maps to be included):

Are topographic maps included with the application that show the following items:

☒ Yes – The boundary of the proposed exploration project Permit Area

☒ Yes – The proposed exploration locations (i.e., borehole locations)

☒ Yes – Existing roads, new roads and overland travel routes

☐ Yes ☒ N/A – Areas of proposed road improvement

Attachments C,D

Are maps or figures included with the application showing the approximate dimensions and locations of drill pads and other disturbances:

☒ Yes – Drill pad dimensions and constructed drill pad locations

Attachments C

C. Provide detailed driving directions to access the site:

1 Take HWY 80 South from Magdalena .25 miles to County Road 107 and turn South or left.

2 Take County Road 107 approximately 7 miles to Forest Service Road 234 and take a left.

3) Take County Road 234 approximately .5 miles and take the left-hand fork to Fire Road 46.

4) Take Fire Road 46 1.25 miles to the property.

SECTION 4 – EXPLORATION DESCRIPTION (§302.D.3 & 4)

A. Anticipated exploration: Start Date: August 19th, 2019 End Date: November 30th, 2

B. List the mineral(s)/element(s) to be explored for: Gold (AU), Silver (AG)

C. Proposed method(s) of exploration:

☐ **Air drilling (air rotary, coring, etc.):**

_____# of holes _____Depth (ft.) _____Diameter (in.)

_____# of drill pads _____Length (ft.)_____Width (ft.)

Will drill pads be graded/bladed or overland: ☐ Graded/bladed ☐ Overland

Will drill pads need some mechanical leveling (grading/blading): ☐ Yes ☐ No

Approx. Weight of Drill Rig (lbs.) 300 Number of Axles: NA

Total length of drill stem that can be carried on the rig:_____

Is a support pipe truck anticipated? ☐ Yes ☐ No _____Weight (lbs.)

Weight of support compressor (lbs.):_____Trailer mounted?_____

Anticipated Drilling Contractor:_____ License No._____

■ **Mud/fluid drilling:**

6 # of holes 110 Depth (ft.) 8 Diameter (in.)

3 # of drill pads 10 Length (ft.) 6 Width (ft.)

Will drill pads be graded/bladed or overland: ☐ Graded/bladed ■ Overland

Will drill pads need some mechanical leveling (grading/blading): ☐ Yes ■ No

Will a closed loop system be used or will mud/fluid pits be used? Closed Loop System

If mud/fluid pits are proposed:

_____# of pits _____Length (ft.) _____Width (ft.) _____Depth (ft.)

Anticipated excavating equipment: NA

How will excavating equipment be transported to the site (i.e., driven, low-boy, etc.):

NA

Will mud pits be lined?: ☐ Yes ☐ No

If yes, proposed material to line the mud pits: NA

Approx. Weight of Drill Rig (lbs.) 300 Number of Axles: NA

Anticipated Drilling Contractor: Albuquerque Concrete Corin License No. 23116

☐ **Test pits / exploratory trenches:**

_____# of pits _____Length (ft.) _____Width (ft.) _____Depth (ft.)

Anticipated excavating equipment: _____

How will excavating equipment be transported to the site (i.e., driven, low-boy, etc.):

No excavating equipment will be used because the drill will be attached to existing concrete slabs that will be used as flooring for storage sheds when the project is completed.

■ **Other methods of exploration** (i.e., cuts, shafts, tunnels, adits, declines, blasting, etc.). Indicate method and details:

Albuquerque Concrete Coring will be drilling these 6 exploratory core holes using a diamond segmented core drilling system. The drilling is done using anchor mounted hydraulic drills, and the cutting head is kept cool using clean water. Albuquerque Concrete Coring will be hauling in the water for drilling because the current water well on the property is not permitted for exploration purposes.
For environmental concerns regarding the use of mud/fluid, it is critical to point out that the only mud/fluid used in the process of drilling the holes will be water that is hauled in. The water also transports cuttings from around the drill bit to the surface of the hole, where it can be captured and recycled. Absolutely no new elements or chemicals should be introduced to the environment as a result of this drilling process.

TOTAL ACREAGE TO BE DISTURBED DUE TO DRILL PADS = .00000 **acres**
(to convert to acres, multiply total square footage of drill pads by 0.0000229)

D. Disposal of drill cuttings

If this exploration project is for uranium or other radioactive elements/minerals, applicant agrees to perform a gamma radiation survey at each drill site prior to, and after, exploration activities. Applicant/Owner/Operator agrees to restore gamma radiation levels at each drill site to pre-exploration levels. ☐ Yes ☐ No ☒ N/A

Will excess drill cuttings be buried at each drill site location or within a single disposal pit?
☐ At each drill pad location ☒ Within a single disposal pit

If a single disposal pit is proposed, please provide the following:

Description or GPS coordinates of the proposed cuttings disposal pit location:
The cutting will be collected on site and then recycled by Western Disposal in Albuquerque, NM

Dimensions of the single proposed cuttings disposal pit (length, width, and depth):

_____Length (ft.) _____Width (ft.) _____Depth (ft.)

TOTAL ACREAGE TO BE DISTURBED DUE TO DISPOSAL PIT = _____acres
(to convert to acres, multiply total square footage of disposal pit by 0.0000229)

E. Other Supporting Equipment (check all that apply):

☒	4x4 Trucks/Vehicles	Quantity:	2
☐	Water Truck	Weight (lbs.):	
☐	Geophysical Truck	Weight (lbs.):	
☐	Pipe Truck (rig support)	Weight (lbs.):	
☐	Bulldozer	Type:	
☐	Backhoe	Type:	
☐	Trackhoe	Type:	
☐	Scaper/Grader	Type:	
☐	Trailers	Quantity/Type:	
☐	Portable Toilet	Quantity:	
☐	Other	List:	

F. Roads and Overland Travel:

List of new roads to be constructed for this exploration project:

Description of *NEW* Roads	Length (ft.)	Width (ft.)	Total Acres (length x width x 0.0000229)
There will not be any new roads that will be constructed			
TOTAL ACRES DISTURBED BY NEW ROAD CONSTRUCTION :			0.000000

Describe how new roads will be constructed:

List for extension or widening of existing roads:

Description of Modification to *EXISTING* Roads	Length (ft.)	Width (ft.)	Total Acres (length x width x 0.0000229)
NA			
TOTAL ACRES DISTURBED BY ROAD IMPROVEMENTS :			0.000000

Describe how existing roads will be extended or widened:

List for routes of overland travel:

Description of *OVERLAND TRAVEL* Routes	Length (ft.)	Width (ft.)	Total Acres (length x width x 0.0000229)
See Attachment D			
TOTAL ACRES DISTURBED BY OVERLAND TRAVEL :			0.000000

G. Support Facilities

Describe (location and size) any support facility disturbances (equipment staging, equipment and material storage and/or lay down areas, vehicle parking, temporary housing and/or trailers) to be created or situated on the site during exploration operations.

The property has an existing home that will be used for staging equipment and accomidations for the drilling team.

H. **TOTAL ACREAGE TO BE DISTURBED BY PROJECT =** 0.000000 **acres**
(include all disturbed acreage from drill pads, cuttings disposal pit, new roads, improved roads and overland travel routes)

SECTION 5 – CHEMICAL USE (§302.D.4)

A. Check any and all chemicals that will be used for this project.

☐	Drilling Mud (i.e., EZ Mud)	Type/Quantity:
☐	Diesel Fuel	Quantity:
☐	Down-hole Lubricants	Type/Quantity:
☐	Lost Circulation Materials	Type/Quantity:
☐	Oils/Grease	Quantity:
☐	Gasoline	Quantity:
☐	Hydraulic Fluid	Quantity:
☐	Ethylene Glycol	Quantity:
☐	Cement	Type/Quantity:
☒	Water	Source: Driller Will Haul in Water
☐	Bentonite	Quantity:
☐	Fertilizer	Type/Quantity:
☐	Other	Type/Quantity:

B. Describe, in detail, a plan for the containment, use and disposal of all chemicals listed above:
NA

C. Describe where equipment fueling/refueling will occur:
NA

D. Describe how hazardous material spills/leaks will be handled:
NA

E. Identify spill cleanup materials that will be kept on-site (check all that apply):

- ☐ Bentonite clay or cat litter
- ☐ Adsorbent pads, rolls, mats, socks, pillows, dikes, etc.
- ☐ Drum or barrel for containing contaminated soil/adsorbent materials
- ☐ Other/list: _____
- ☐ Other/list: _____
- ☐ Other/list: _____

F. Applicant/owner/representative agrees to immediately notify the State of New Mexico immediately of any spills of hazardous materials (see page 1 of this application for phone numbers to notify): ☒ Yes ☐ No

SECTION 6 – GROUNDWATER/SURFACE WATER INFORMATION (§302.D.5)

A. Provide an estimate of depth to ground water and the total dissolved solids (TDS) concentration.

Depth to groundwater (ft.): 600 TDS concentration (mg/L): _____

Describe the source of this information:
Water Well that was drilled on the property.

B. Will dewatering activities be conducted: ☐ Yes ☒ No

If yes, please describe:

C. Is groundwater anticipated to be encountered during exploration: ☐ Yes ☒ No

If YES:

Have you completed Form WR-07 (Application for permit to drill a well with no consumptive use of water) and mailed it to the District Office of the State Engineer? ☒ Yes

Have you completed Form WD-08 (Well plugging plan of operations) and mailed it to the District Office of the State Engineer? ☒ Yes

Attachment E,F (copies of the completed WR-07 and WD-08 forms)

D. Exploration Borehole Abandonment

Dry Boreholes

☒ Dry hole abandonment (option 1): 100% bentonite pellets/chips (i.e. HOLEPLUG® manufactured by Baroid Industrial Products), dropped from surface then hydrated in place according to the manufacturer's recommendations, emplaced from total depth to within 12 feet of the original ground surface, followed by 10 feet of neat cement, followed by 2 feet of topsoil/topdressing.

☐ Dry hole abandonment (option 2): Neat cement slurry, mixed according to the manufacturer's recommendations, emplaced with a tremie pipe from total depth to within 2 feet of the original ground surface, followed by 2 feet of topsoil/topdressing.

☐ Dry hole abandonment (option 3): Cement + 6% bentonite slurry, mixed according to the manufacturer's recommendations, emplaced with a tremie pipe from total depth to within 2 feet of the original ground surface, followed by 2 feet of topsoil/topdressing.

☐ Dry hole abandonment (option 4): High-density bentonite clay (≥ 20% active solids; i.e. QUIK-GROUT® manufactured by Baroid Industrial Products), mixed according to the manufacturer's recommendations, emplaced with a tremie pipe from total depth to within 12 feet of the original ground surface, followed by 10 feet of neat cement, followed by 2 feet of topsoil/topdressing.

☐ Dry hole abandonment (option 5): Other materials / describe and justify use:

Wet Boreholes

☐ Wet hole abandonment (option 1): Neat cement slurry, mixed according to the manufacturer's recommendations, emplaced with a tremie pipe from total depth to within 2 feet of the original ground surface, followed by 2 feet of topsoil/topdressing.

☐ Wet hole abandonment (option 2): High-density bentonite clay (≥ 20% active solids; i.e. QUIK-GROUT® manufactured by Baroid Industrial Products), mixed according to the manufacturer's recommendations, emplaced with a tremie pipe from total depth to within 12 feet of the original ground surface, followed by 10 feet of neat cement, followed by 2 feet of topsoil/topdressing.

☐ Wet hole abandonment (option 3): Other sealing material approved by the Office of the State Engineer. Describe and include well plugging plan approval by the State Engineer:

D. Applicant agrees to contain any water produced from the exploration borehole at the drill site and acknowledges that discharge of this water to a watercourse may be a violation of the Federal Clean Water Act: ☑ Yes ☐ No

E. Is any drilling proposed to occur within the channel of any perennial, intermittent, or ephemeral streams? ☐ Yes ☒ No

F. Is any drilling anticipated to occur within 100 feet of any perennial, intermittent, or ephemeral streams? ☐ Yes ☒ No

SECTION 7 – RECLAMATION & OPERATION PLAN (§302.D.6 AND 302.I.K)

A. Salvage/Preservation of Topsoil

Before any grading/blading or similar activities occur in relation to this project, operator agrees to salvage and preserve all topsoil and topdressing for use in future reclamation of this project ☒ Yes ☐ No

Describe how topsoil will be salvaged prior to initiation of exploration activities (check all that apply):

☒ N/A – no construction work will occur, therefore no soil salvage is needed.

☐ Excavated from drill pads and stored at each drill pad

☐ Excavated from road improvements/construction and stored adjacent to road

☐ Excavated from mud/fluid pits and storage at each pit

☒ Other, describe:
The drill will be placed on an existing concrete floor.

B. Erosion Control

Describe the best management practices that will be implemented to control erosion:

☐ Silt fencing Location: _____

☐ Straw waddles Location: _____

☐ Straw bales Location: _____

☐ Ditches/swales Location: _____

☐ Berms/dikes/dams Location: _____

☐ Sediment basins Location: _____

☒ Other or N/A Type/Location: There are not any concerns regarding Erosion.

C. Wildlife Protection / Noxious Weed Prevention

Will the perimeter of drill pits be fenced to prevent wildlife entrapment? ☐ Yes ☒ No

Proposed pit perimeter fence material:
There will not be any drill pits, thus no need for fencing to prevent wildlife entrapment.

Describe how the pit perimeter fencing will be installed and secured (i.e., T-posts, wooden stakes, etc.):
NA

Will at least one side of the interior of the drill pits be sloped at 3:1 as a ramp for wildlife escape? ☐ Yes ☐ No

If No, will another type of constructed escape ramp be installed? Describe:
NA

Applicant/Owner/Operator commits to pressure-washing or steam-clean all equipment prior to entering the permit area: ☒ Yes ☐ No

D. Reclamation Details

Describe in general how re-contouring or re-establishment of the surface topography will be restored:

With respect to surface disturbance and/or the need to construct the drilling pads that would be required for a conventional drilling rig, please note that Mr. Ramsey has decided to construct 3 storage sheds on the property. He will be using the concrete floors for these storage sheds as a means to anchor the hydraulic drills to, thus there will not be any need to construct any additional concrete pads for drilling.

Moreover, there will not be any need to remove the concrete flooring and/or to reclaim the land under the pads to the original

Describe how the reclamation of portals, adits, drilling fluid/mud and/or waste pits, shafts, ponds, roads and other disturbances will be performed:

NA

Is seeding of the reclaimed areas proposed: ☐ Yes ☒ No

If no, provide a justification as to why no revegetation is needed:

Plant mix to be used in the re-establishment of vegetation:

☐ US Forest Service specified mix applied through broadcast at their recommended rate
☐ BLM specified mix applied through broadcast at their recommended rate
☐ Other:

Plant Name	Seeding Rate (lbs./acre)

Broadcast applied or drill-seeded: ☐ Broadcast ☐ Drill-seeded

Scarification Methods (check all that apply):

- ☐ Primary tillage to greater than 6-inches depth of all constructed drill pads and roads
- ☐ Secondary tillage of all constructed drill pads and roads, and/or overland travel routes
- ☐ Chain drag or tire drag over seeds in areas used for overland travel
- ☐ Light raking of soil over seeds in areas used for overland travel
- ☐ None
- ☐ Other/describe:

Mulch Use:

- ☐ Certified weed-free straw mulch will be placed over areas that have been tilled/disced or ripped at a rate of 2 tons per acre, and will be crimped in place
- ■ No mulch is proposed

E. Reclamation Timeline

Applicant/Owner/Operator commits to reclamation of the disturbed area as soon as possible following the completion or abandonment of the exploration operation, unless the disturbed area is included within a complete permit application for a new mining permit:

■ Yes ☐ No

Anticipated Start of Reclamation:

- ☐ 0-30 days after completion of drilling
- ■ 31-60 days after completion of drilling
- ■ Other/specify: All of the holes will be plugged within 31-60 days of drilling. With resp

SECTION 8 – PERMIT FEES AND FINANCIAL ASSURANCE (§302.1.2 AND 5)

A. Financial assurance must be posted with Mining and Minerals Division prior to approval of this application. The acceptable forms of financial assurance are surety bonds, letters of credit, and certificates of deposit. Provide an estimate of, and an instrument for, the proposed financial assurance required by Subpart 3.

☐ Surety Bond
☒ Letter of Credit
☐ Cash Account / Certificate of Deposit

☒ Estimated amount of financial assurance: ($3.5)x(6 drills)x(110')= $2,310

Or

☒ Applicant will provide the amount of financial assurance calculated by MMD.

B. Attach the permit fees as determined pursuant to Subpart 2. The application fee for a minimal impact exploration permit is $500.00.

☐ Money Order/Cashier's Check
☒ Check

Check Number : #807

Financial Institution: Frost Bank of McCalla TX
956-668-3576

SECTION 9 – CERTIFICATION REQUIREMENT (§302.I.3 & 4)

I certify that I have personally examined and am familiar with the information submitted herein, and based on my inquiry of those individuals responsible for obtaining the information; I believe the submitted information is true, accurate, and complete. I agree to comply with the reclamation requirements set forth in this permit application and related correspondence, the New Mexico Mining Act and the Rules. Further, I certify that I am not in violation of any other obligation under the New Mexico Mining Act or the Rules adopted pursuant to that Act and I allow the Director to enter the permit area, without delay, for the purposes of conducting inspections during exploration and reclamation.

Signature of Permittee or Authorized Agent: Gary Wayne Ramsey

Name (type or print): GARY WAYNE RAMSEY

Title/Position: OWNER

Date: McAllen, TX 78504

Attachment A

Ramsey Deed

WARRANTY DEED

MULESHOE LAND & CATTLE CORPORATION, a New Mexico Corporation for consideration paid, grants to **GERALD WAYNE RAMSEY** whose address is P.O. Box 6196, McAllen, TX 78502 the following described real estate in **Socorro County, New Mexico:**

SEE ATTACHED EXHIBIT "A"

Subject to taxes for the year **2001** and thereafter, easements and rights of way , reservations, and restrictive covenants.

with warranty covenants.

WITNESS my hand and seal on this 19 day of September, 2001.

_____(seal)
Thomas Pressgrove, President
Muleshoe Land & Cattle Corporation, a New Mexico Corporation

ACKNOWLEDGMENT

STATE OF OLKLAHOMA }
COUNTY OF } ss.

The foregoing instrument was acknowledged before me this 19 day of September, 2001, by Thomas Pressgrove, President of Muleshoe Land & Cattle Corporation, a New Mexico Corporation.

(seal) NOTARY SEAL PUBLIC
MYRA RICHARDSON
Logan County
Notary Public in and for
State of Oklahoma
My commission expires Oct. 24, 2003.

Myra Richardson
Notary Public

WARRANTY DEED
COUNTY OF SOCORRO)
STATE OF NEW MEXICO) ss
PAGES: 2

I Hereby Certify That This Instrument Was Filed for Record On The 18TH Day Of January, A.D., 2006 at 09:44 AM And Was Duly Recorded as Instrument # 200600144 Of The Records Of SOCORRO COUNTY CLERK

Witness My Hand And Seal Of Office
AUDREY JARAMILLO
Deputy _____ County Clerk, Socorro, NM

EXHIBIT "A"

A tract of land situate in the SW¼ of Section 29, Township 3 South, Range 4 West, NMPM, southwest of Magdalena, Socorro County, New Mexico, being a portion of the aforementioned Section 29, as deeded to Muleshoe Land and Cattle Corp. by Leeway Ranch, Inc., on October 6, 1992, as recorded in the Socorro County Clerk's Office in volume 435, on page 125, designated as being the east 80 acres of the SW¼ of Sec. 29, T. 3 S., R. 4 W., NMPM, bounded on the east, south, west and partially on the north by land now or formerly standing in the name of the Muleshoe Land and Cattle Corp., bounded mostly on the north by land now or formerly standing in the names of G. W. and Tamara S. Funke, and more particularly described as follows, to-wit;

beginning at corner 1, the SE corner, a US BLM brass cap monument marking the ¼ section corner common to sections 29 and 32, T. 3 S., R. 4 W., NMPM;

thence, N 89° 37' 15" W, a distance of 1327.50 feet along the section line common to the aforementioned sections 29 and 32 to corner 2, the SW corner, a set ½ inch rebar;

thence, N 0° 29' 15" E, a distance of 2670.74 feet to corner 3, the NW corner, a set ½ inch rebar on the east-west midsection line of said section 29, from whence the US BLM brass cap monument marking the west ¼ section corner of said section 29 bears N 89° 19' 30" W, a distance of 1269.19 feet;

thence, S 89° 19' 30" E, a distance of 1285.44 feet along the aforementioned east-west midsection line to corner 4, the NE corner, a set ½ inch rebar marking the center of the aforementioned section 29;

thence, S 0° 25' 00" E, a distance of 2664.32 feet along the north-south midsection line to corner 1, the place of beginning.

Containing 80.00 acres, more or less.

Reserving an access and utility easement along the existing bladed road (Forest Rd. No. 46) across the northerly part of the aforementioned 80.00 acre tract of land.

Also reserving access and utility easements in the NW corner of the aforementioned 80.00 acre tract of land along the existing access road for Funke and along the existing underground electric line.

BUYER'S CLOSING STATEMENT

GF#: 01-000263

Prepared for:	Prepared by:	Property:
GARY WAYNE RAMSEY	JM ABSTRACT & TITLE COMPA NY, INC.	A TRACT OF LAND IN THE SW1/4 OF SEC. 3 S., RGE.
P.O. BOX 6196	100 SOUTH SIXTH ST.	4 W., 80.00 ACRES
MCALLEN, TX 78502	SOCORRO, NM 87801	

Seller : MULESHOE LAND & CATTLE CO

Closing date (MO/DY/YR) : 09/21/01 Closer : JOSEPH A. VALLEJOS

	DEBITS	CREDITS
Contract Sales Price	40,000.00	
Real Estate Contract		40,000.00
County taxes 1/ 1/01 - 9/21/01		7.92
1/6th Aggregate Cushion Adjustments		
Settlement fee to JM ABSTRACT & TITLE COMPANY	112.50	
Title ins. binder to JM ABSTRACT & TILE COMPANY	25.00	
Title insurance to JM ABSTRACT & TITLE COMPANY	209.50	
Notice of Real Estate	11.00	
Survey :SOCORRO ENGINEERING, INC.	576.11	
Courier Fees	32.00	
Funds payable at closing		**958.19**
	$40,966.11	$40,966.11

Approved:

Gary Wayne Ramsey
GARY WAYNE RAMSEY

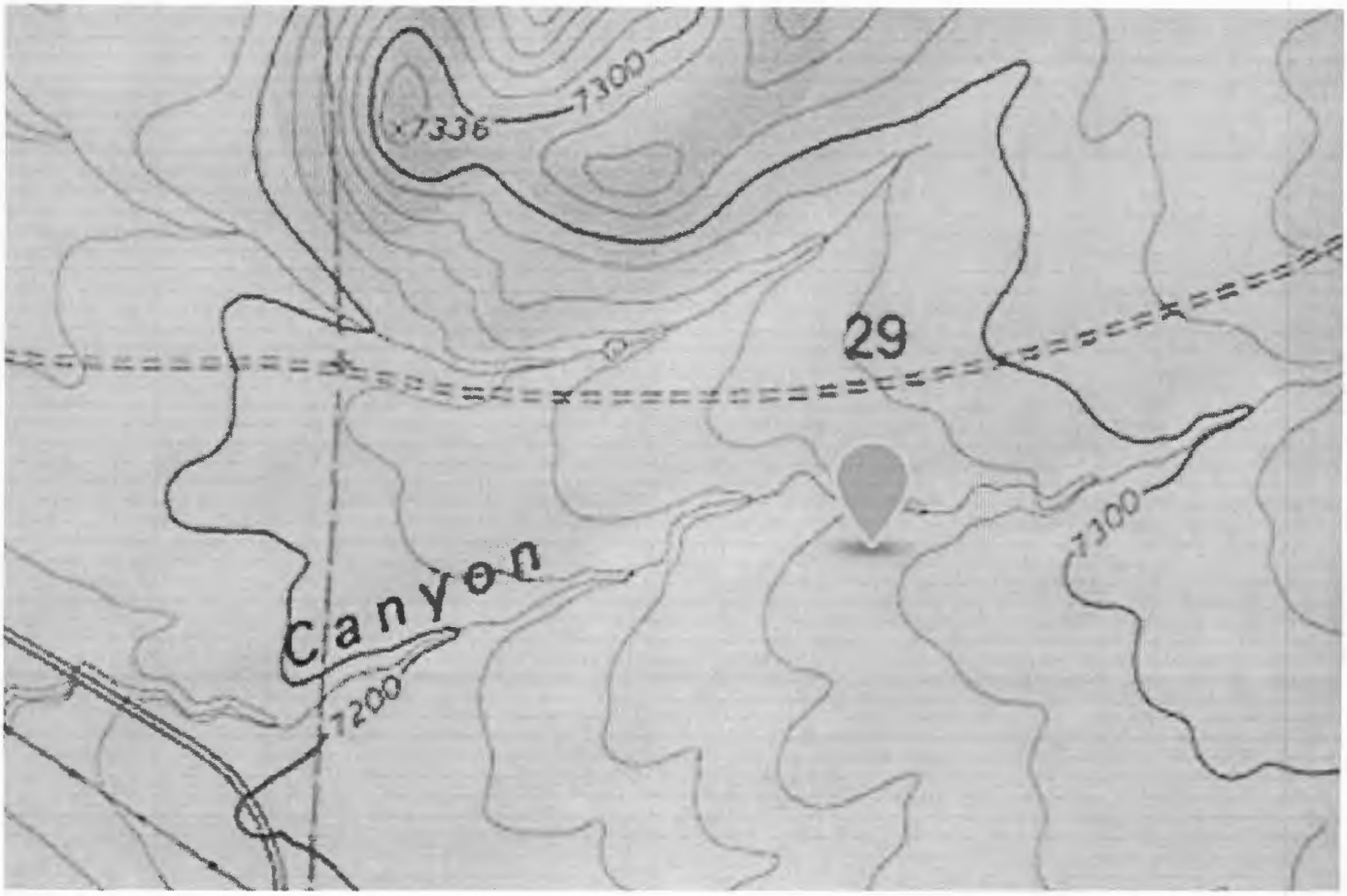
Closing officer or Broker

Attachment B
General Location

The property is located approximately 7 miles South of Magdalena, NM.

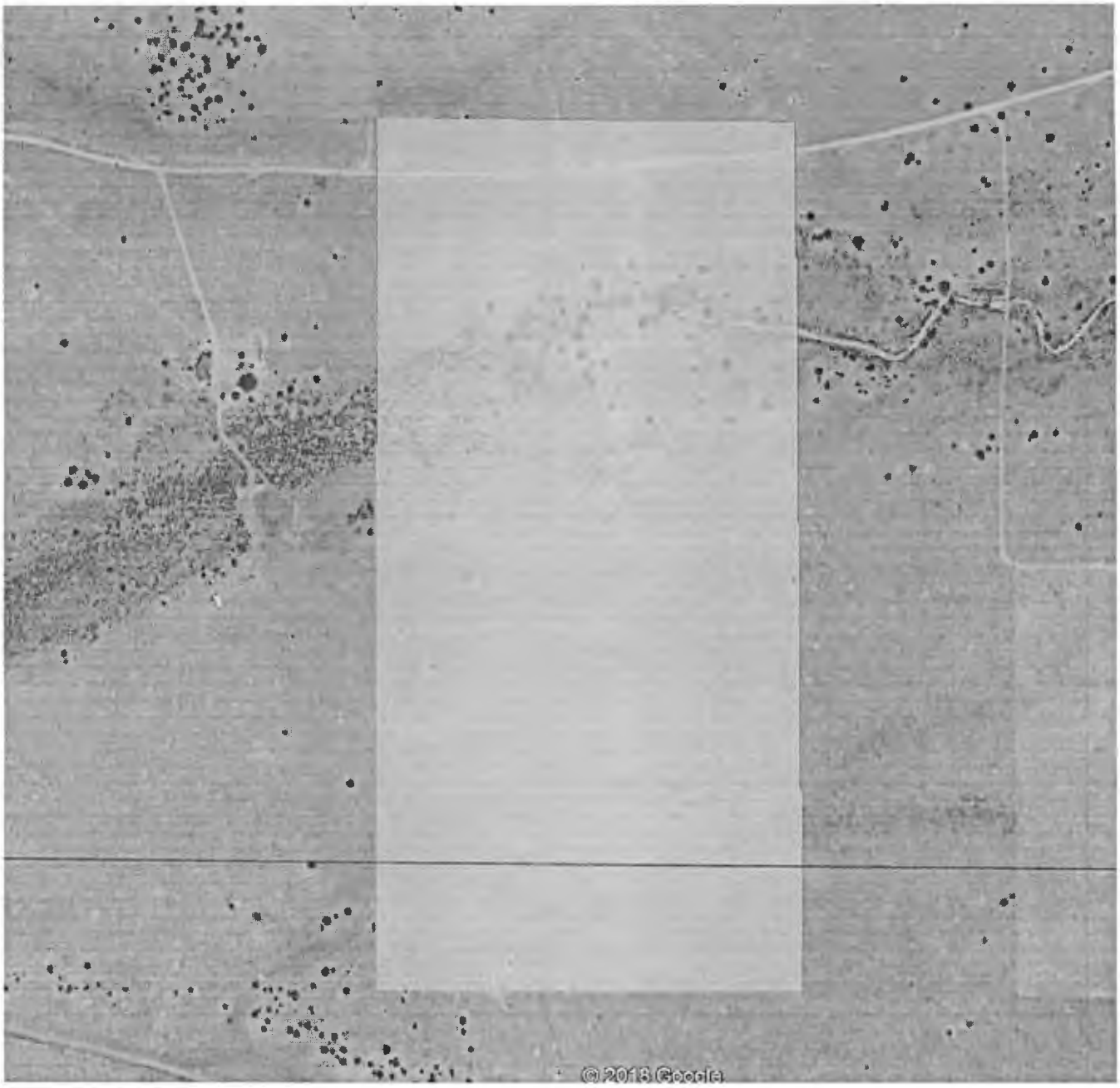
Here is a map via Google Earth. The drill sites are at the bottom of the illustration. There is also a USGS map with the same information. The location on the USGS maps is identified via the blue icon.

These two maps convey where the General Drill Site is located in reference to County Road 107, Forest Road 234 and Fire Road 46.



Here is the Township and Range for private property where the drill sites are located. Gary Wayne Ramsey owns 80 acres in the SW corner of Section 29.

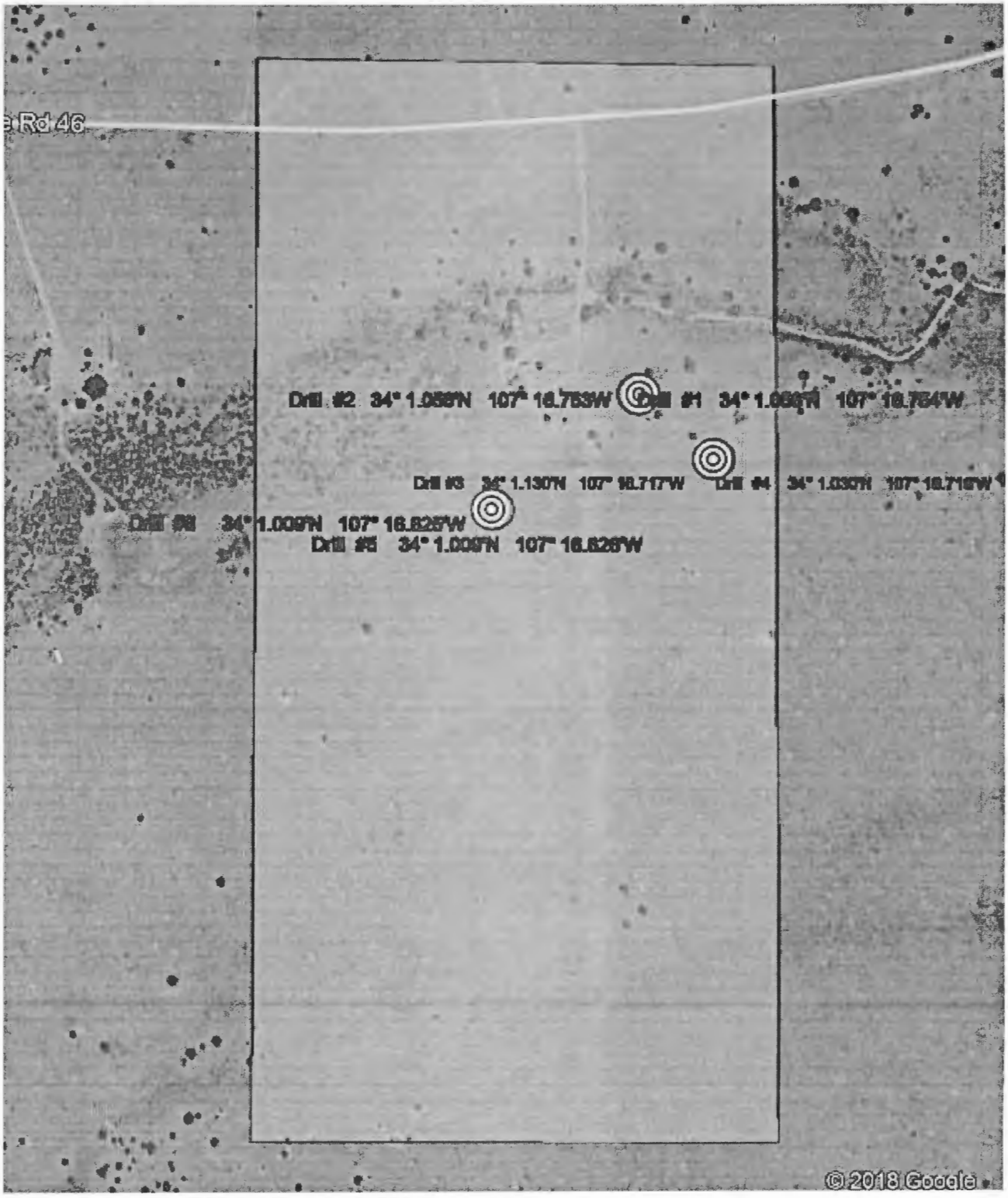
Township 3 South Range 4 West Section SW ¼ 29



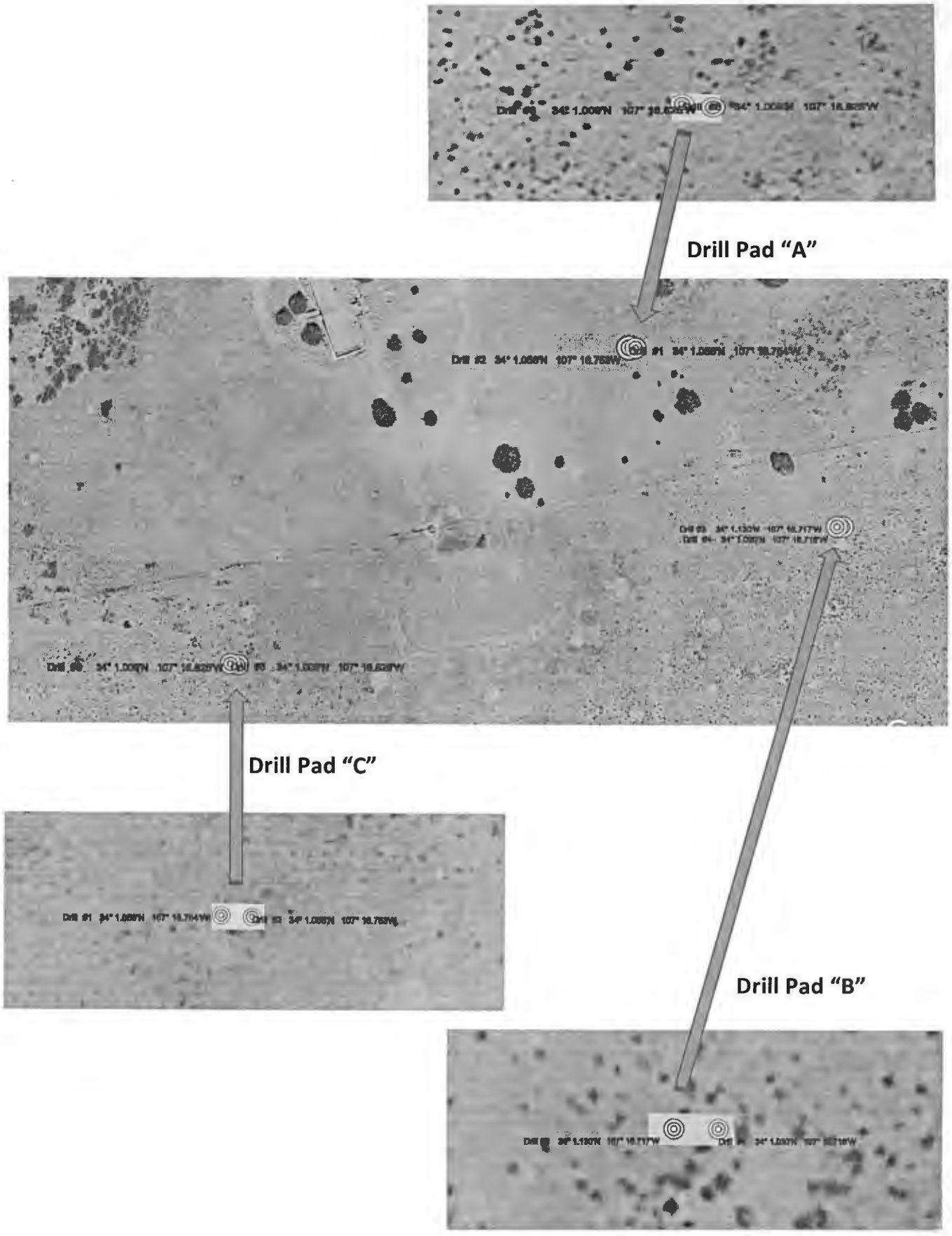
Please see Attachment C regarding the specific drill locations.

Attachment C
DRILL LOCATIONS

Here is a map via Google Earth. There are six (6) drill locations and three different pads to drill from. Each 6" concrete drilling pad will be approximately 6'x10' with two (2) different drilling locations to mount the drill on each pad.

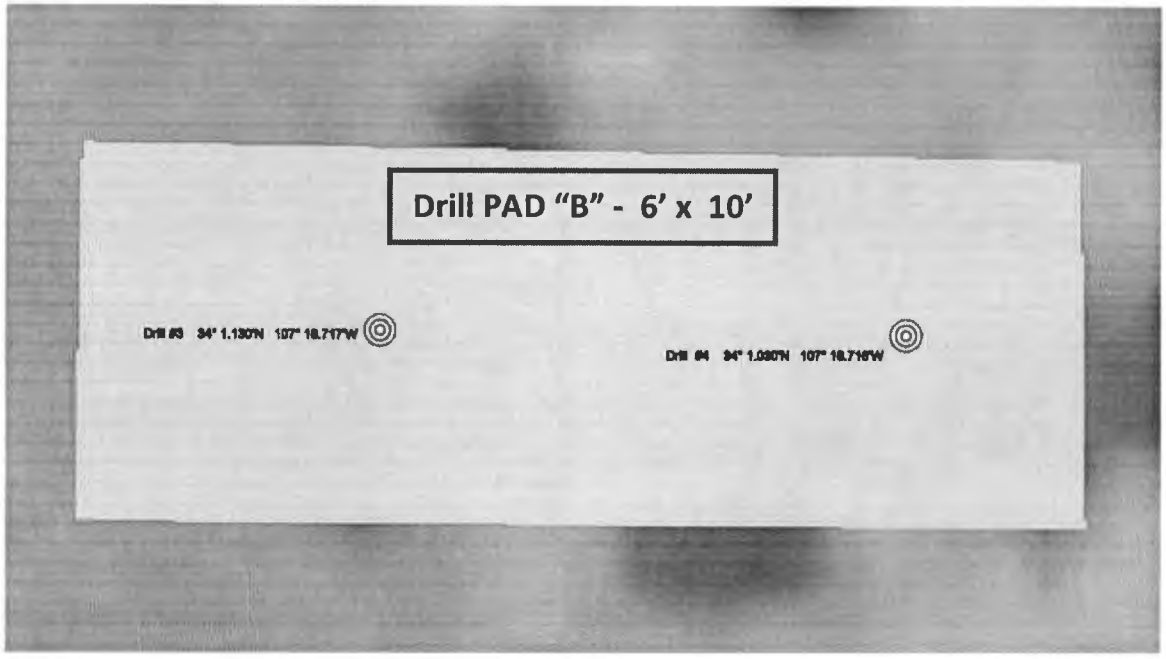


Here is a closer view of the three different concrete drilling pads with the proposed drilling locations.

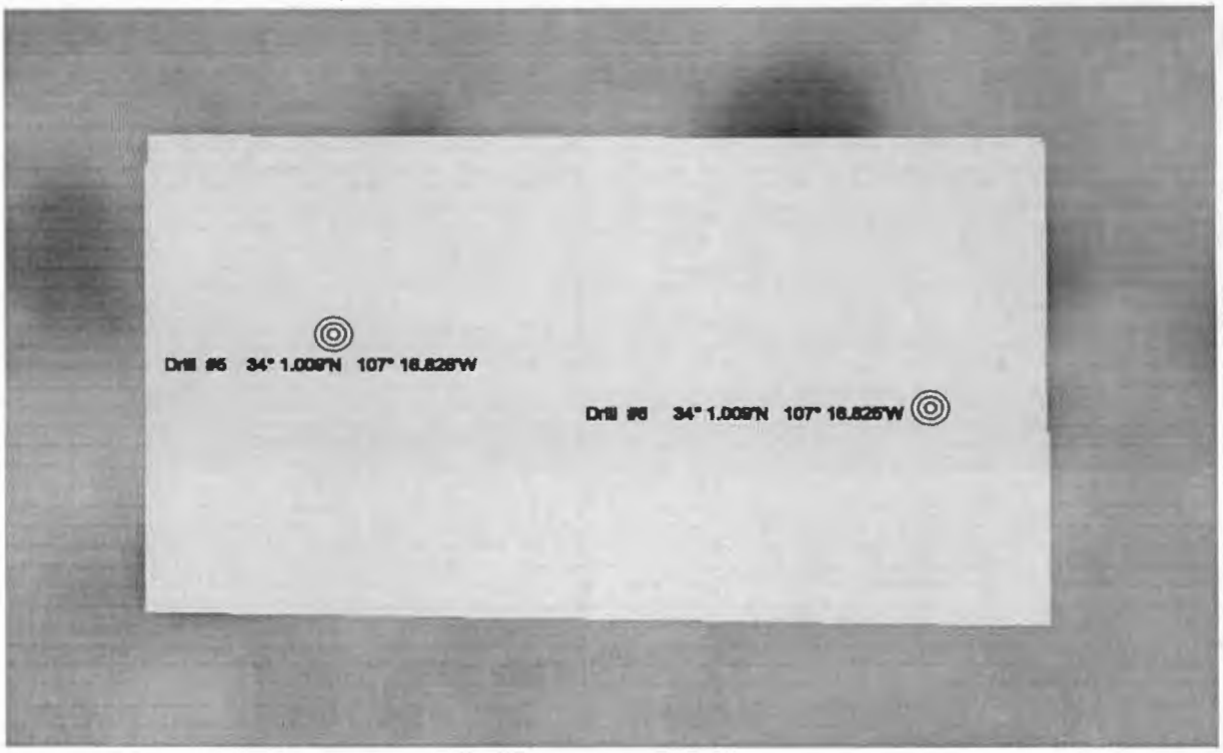


Here are the GPS drilling locations with respect to each concrete drilling pad.

Drill #1	34° 1.056'N	107° 16.754'W
Drill #2	34° 1.056'N	107° 16.753'W



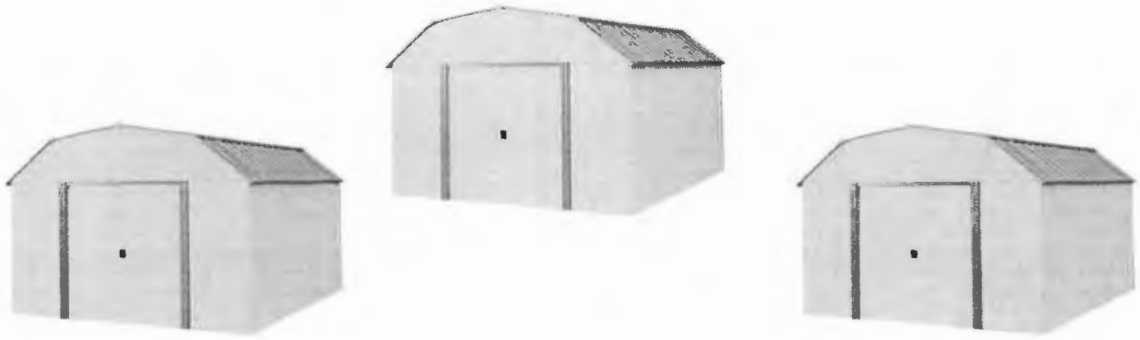
Drill #3	34° 1.030'N	107° 16.717'W
Drill #4	34° 1.029'N	107° 16.716'W



Drill #5	34° 1.009'N	107° 16.726'W
Drill #6	34° 1.009'N	107° 16.825'W

PLEASE NOTE!

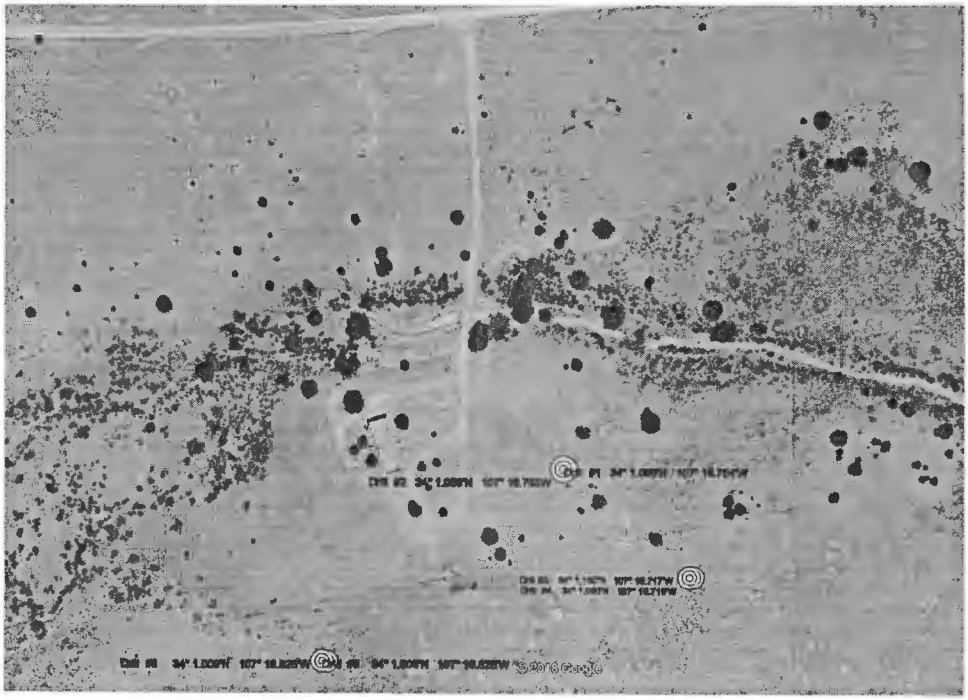
There are not any outbuildings on the property so, to make the best use of financial resources and to minimize unneeded scaring of the land, Gary Ramsey is going to use the drilling pads as floors for small metal storage sheds upon the completion of this project. Thus, beyond properly plugging the hole, there will not be any need to remove the cement pads and/or reclaim the land under the pads to the original status.



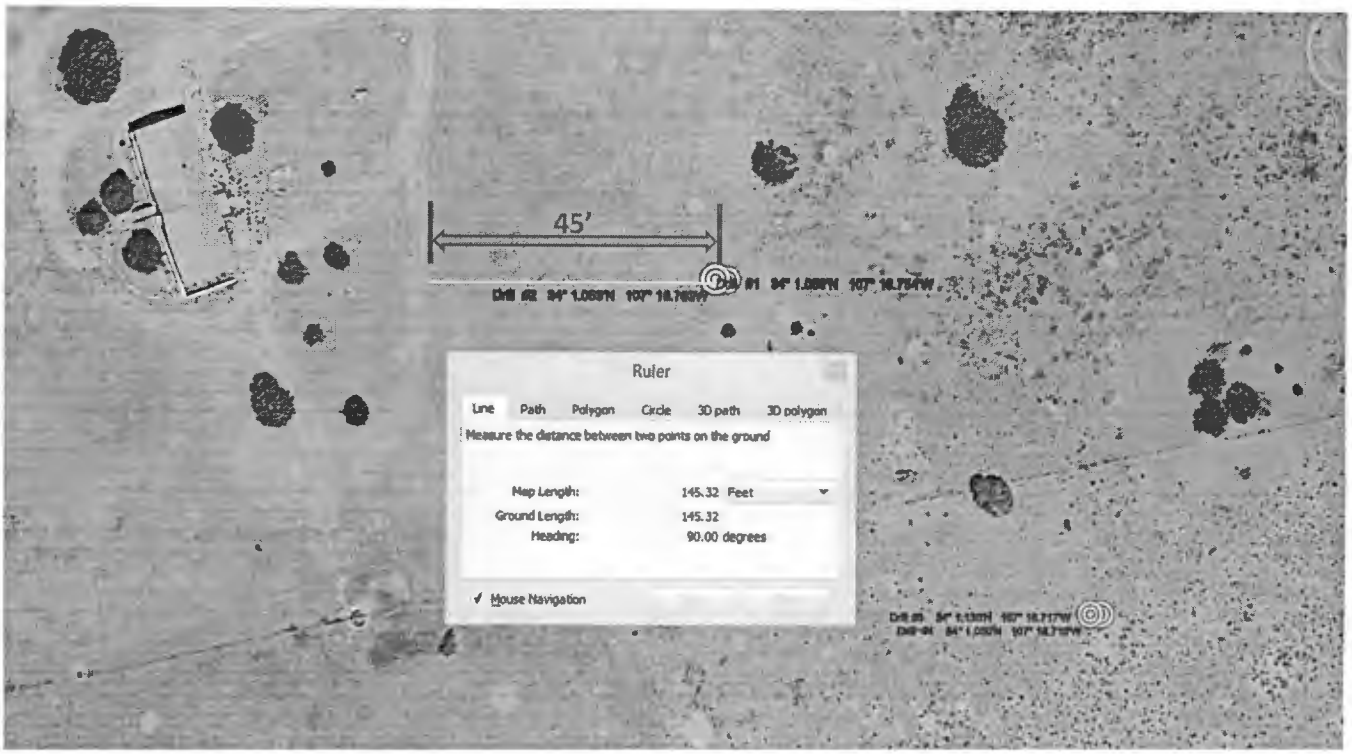
Mr. Ramsey desires to have an improved appearance when this exploration project is finished and as such, he will be adding landscaping around each storage shed.

Attachment D - ROADS

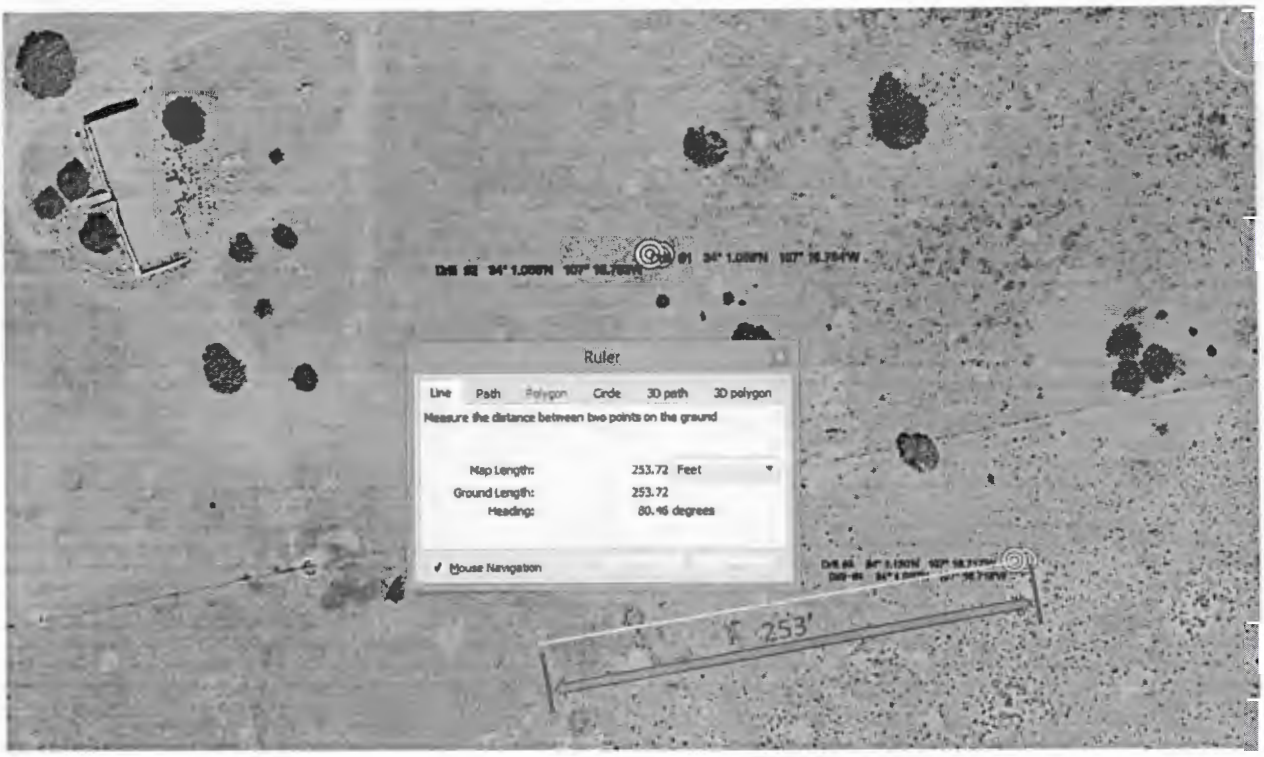
Here is a map via Google Earth. There are well maintained county roads that lead to the property. Thus, there isn't any need to improve or widen any roads to accommodate drilling equipment. This is especially relevant considering that the unit for drilling is just 300 pounds and it is transported via a 4x4 pickup.



With respect to the overland travel, it is 145 feet to Drill Pad "A" from the nearest road.



It is 253 feet from the nearest road to Drill Pad "B".



It is 133 feet from the nearest road to Drill Pad "C". Once again, the landowner will be using the overland path that is created by driving to the drill pads as roads to his storage units in the future.

Attachment E

Attachment E - WR07 - Permit to Drill

File No.

NEW MEXICO OFFICE OF THE STATE ENGINEER

APPLICATION FOR PERMIT TO DRILL A WELL WITH NO CONSUMPTIVE USE OF WATER

(check applicable box):

For fees, see State Engineer website: http://www.ose.state.nm.us/

Purpose:	☐ Pollution Control And / Or Recovery	☐ Geo-Thermal
☑ Exploratory	☐ Construction Site De-Watering	☐ Other (Describe):
☐ Monitoring	☐ Mineral De-Watering	

A separate permit will be required to apply water to beneficial use.

☑ Temporary Request - Requested Start Date: 8/12/2019 Requested End Date: 11/30/2019

Plugging Plan of Operations Submitted? ☑ Yes ☐ No

1. APPLICANT(S)

Name: Gary Wayne Ramsey	Name:
Contact or Agent: check here if Agent ☐ Gary Wayne Ramsey	Contact or Agent: check here if Agent ☐
Mailing Address: 1032 Industrial Dr.	Mailing Address:
City: McAllen	City:
State: Texas Zip Code: 78504	State: Zip Code:
Phone: 965-605-7961 ☐ Home ☑ Cell Phone (Work):	Phone: ☐ Home ☐ Cell Phone (Work):
E-mail (optional): gwrprod@aol.com	E-mail (optional):

FOR OSE INTERNAL USE Application for Permit, Form wr-07, Rev 4/12/12

File Number:	Trn Number:
Trans Description (optional):	
Sub-Basin:	
PCW/LOG Due Date:	

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

☐ NM State Plane (NAD83) (Feet)
☐ NM West Zone
☐ NM East Zone
☐ NM Central Zone

☐ UTM (NAD83) (Meters)
☐ Zone 12N
☐ Zone 13N

☑ Lat/Long (WGS84) (to the nearest 1/10th of second)

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: **-Public Land Survey System (PLSS) (*Quarters or Halves , Section, Township, Range)* OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name**
Drill #1	107° 16.754' W	34° 1.056' N	Refer to Attachments B and C
Drill #2	107° 16.753' W	34° 1.056' N	"
Drill #3	107° 16.717' W	34° 1.030' N	"
Drill #4	107° 16.716' W	34° 1.029' N	"
Drill #5	107° 16.726' W	34° 1.009' N	"
Drill #6	107° 16.825' W	34° 1.009' N	"

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
Additional well descriptions are attached: ☐ Yes ☑ No **If yes, how many** _____

Other description relating well to common landmarks, streets, or other:
Refer to Attachments B and C

Well is on land owned by: Gary Wayne Ramsey

Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. **Attached?** ☐ Yes ☑ No
If yes, how many _____

Approximate depth of well (feet): 110 feet	Outside diameter of well casing (inches): 8 inches
Driller Name: Albuquerque Concrete Coring	Driller License Number: 23116

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

Albuquerque Concrete Coring will be drilling these 6 exploratory core holes using a diamond segmented core drilling system. The drilling is done using anchor mounted hydraulic drills, and the cutting head is kept cool using clean water. The only mud/fluid used in the process of drilling the holes will be water. The water also transports cuttings from around the drill bit to the surface of the hole, where it can be captured and recycled. Absolutely no new elements or chemicals should be introduced to the environment as a result of this drilling process.

FOR OSE INTERNAL USE

Application for Permit, Form wr-07

File Number:	Trn Number:

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory:	**Pollution Control and/or Recovery:**	**Construction De-Watering:**	**Mine De-Watering:**
☑ Include a description of any proposed pump test, if applicable.	☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for the pollution control or recovery operation. ☐ The estimated maximum period of time for completion of the operation. ☐ The annual diversion amount. ☐ The annual consumptive use amount. ☐ The maximum amount of water to be diverted and injected for the duration of the operation. ☐ The method and place of discharge.	☐ Include a description of the proposed dewatering operation, ☐ The estimated duration of the operation, ☐ The maximum amount of water to be diverted, ☐ A description of the need for the dewatering operation, and, ☐ A description of how the diverted water will be disposed of.	☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for mine dewatering. ☐ The estimated maximum period of time for completion of the operation. ☐ The source(s) of the water to be diverted. ☐ The geohydrologic characteristics of the aquifer(s). ☐ The maximum amount of water to be diverted per annum. ☐ The maximum amount of water to be diverted for the duration of the operation. ☐ The quality of the water. ☐ The method of measurement of water diverted. ☐ The recharge of water to the aquifer. ☐ Description of the estimated area of hydrologic effect of the project. ☐ The method and place of discharge. ☐ An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. ☐ A description of the methods employed to estimate effects on surface water rights and underground water rights. ☐ Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
Monitoring: ☐ Include the reason for the monitoring well, and, ☐ The duration of the planned monitoring.	☐ The method of measurement of water produced and discharged. ☐ The source of water to be injected. ☐ The method of measurement of water injected. ☐ The characteristics of the aquifer. ☐ The method of determining the resulting annual consumptive use of water and depletion from any related stream system. ☐ Proof of any permit required from the New Mexico Environment Department. ☐ An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	**Geo-Thermal:** ☐ Include a description of the geothermal heat exchange project, ☐ The amount of water to be diverted and re-injected for the project, ☐ The time frame for constructing the geothermal heat exchange project, and, ☐ The duration of the project. ☐ Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	

ACKNOWLEDGEMENT

I, We (name of applicant(s)), _____
Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

_____ _____
Applicant Signature Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☐ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this _____ day of _____ 20 _____ , for the State Engineer,

_____, State Engineer

By: _____ _____
Signature Print

Title: _____
Print

FOR OSE INTERNAL USE

Application for Permit, Form wr-07

File Number:	Trn Number:

Attachment F

WD-08 Well Plugging Plan of Operations

WELL PLUGGING PLAN OF OPERATIONS

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

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

II. GENERAL / WELL OWNERSHIP:

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

Name of well owner: Gary Wayne Ramsey

Mailing address: 2033 Industrial Dr

City: McAllen State: Texas Zip code: 78504

Phone number: 765-605-7961 E-mail: gwrprod@aol.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Albuquerque Concrete Coring

New Mexico Well Driller License No.: 23116 Expiration Date: 9/20/2020

IV. WELL INFORMATION:

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

1) GPS Well Location: Latitude: _____deg, _____ min, _____sec
Longitude: _____deg, _____min, _____sec, NAD 83
Refer to Attachment B and C

2) Reason(s) for plugging well:
The wells will need to be plugged after pulling an exploratory core.

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

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

5) Static water level: 600 feet below land surface / feet above land surface (circle one)

6) Depth of the well: 110 feet - 6 wells

7) Inside diameter of innermost casing: 8 inches.

8) Casing material: NA – will Not be casing

9) The well was constructed with:

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

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

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

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

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

V. DESCRIPTION OF PLANNED WELL PLUGGING:

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

1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well: NA

2) Will well head be cut-off below land surface after plugging? There is No well head

VI. PLUGGING AND SEALING MATERIALS:

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

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

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

3) Theoretical volume of grout required to plug the well to land surface: _____

4) Type of Cement proposed: Bentonite pellets/chips followed by Neat cement

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

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

_____ mixed on site

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

8) Additional notes and calculations:

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

We will be using dry hole abandonment process defined as option #1 in the Minimal Impact Exploration Operation Permit Application.
100% bentonite pellets/chips will be dropped into the hole and will be hydrated according to the manufacture's recommendations. The bentonite pellets/chips will be emplaced from total depth to within 12' of the original ground surface, followed by 10' of neat cement, and then followed by 2 'of top soil.

VIII. SIGNATURE:

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

_____ _____

Signature of Applicant Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

_____ Approved subject to the attached conditions.
_____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this _____ day of _____, _____

Tom Blaine P.E., New Mexico State Engineer

By: _____

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

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

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

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			12' from surface
Bottom of proposed sealant of grout placement (ft bgl)			110'
Theoretical volume of sealant required per interval (gallons)			34 cubic feet - 3/4" hole plug
Proposed abandonment sealant (manufacturer and trade name)			HOLEPLUG by Baroid Industrial Products

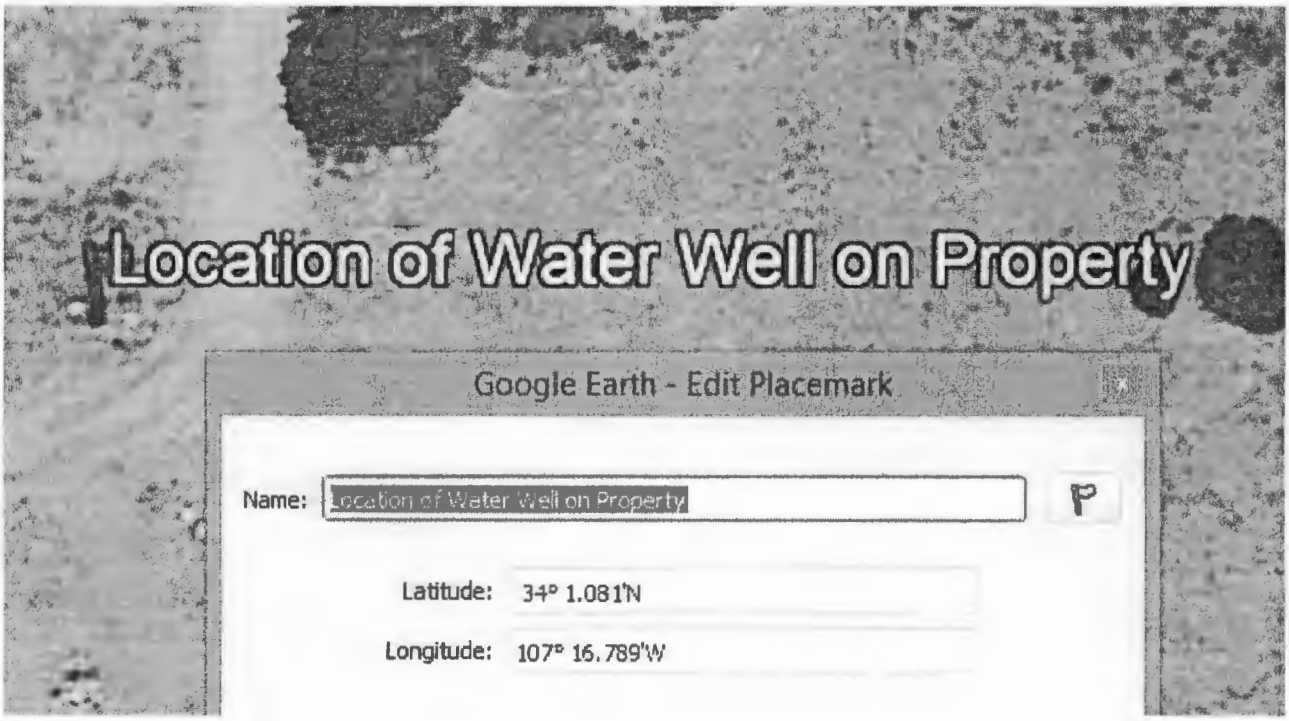
Attachment G

2001 Water Well Permit

Location of Existing Water Well

This illustration conveys where the existing water well is located on the property with respect to the three (3) concrete drilling pads.

Here are the GPS coordinates for the water well.



HCI-26070 $ 7.00

File Number: RG 76697

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES

1. APPLICANT
Name: Robert Payne
Contact: Same
Address: P.O. Box 763
City: Magdalena
Work Phone:
Home Phone: 505-854-3378
State: NM Zip: 87825

2. LOCATION OF WELL (E thru H optional)
A. NW 1/4 NE 1/4 SW 1/4 Section: 29 Township: 03S Range: 04W N.M.P.M.
in Socorro County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map 64.3.4

C. Give State Engineer File Number if existing well: _____

D. On land owned by: _____

E. Tract No. _____, Map No. _____ of the _____

F. Lot No. _____, Block No. _____ of Unit/Tract T-A of the
Muleshoe Land & Cattle Subdivision recorded in _____ County.

G. Latitude: _____ Longitude: _____

H. Other: _____

STATE ENGINEER OFFICE
ALBUQUERQUE, NEW MEXICO
01 OCT -3 PM 2:01

3. USE OF WATER (check use applied for)
✓ One household, non-commercial trees, lawn and garden not to exceed a total of one acre.

✓ Livestock watering.

Note: If any of the following items are marked, give the name and nature of business or use under item 5 of the additional statements or explanations section.

___ More than one household, non-commercial trees, lawns and gardens not to exceed a total of one acre.

___ Drinking and sanitary purposes and the irrigation of non-commercial trees, shrubs and lawns not to exceed one acre in conjunction with a commercial operation.

___ Prospecting, mining or drilling operations to discover or develop natural resources.

___ Construction of public works, highways and roads.

Trn Desc: RG 76697
Log Due Date: 10/03/2002
Form: wr-01

File Number: RG-76697
Trn Number: 215282

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES

4. WELL INFORMATION (Change, Repair, Drill, Test, Supplement)

Name of well driller and driller license number:
Jerry A. Pittman WD-1507
Approximate depth 600 feet; Outside diameter of casing 5 inches.

___ Change Location of existing well or replacement well

___ Repair or Deepen:
___ Clean out well to original depth
___ Deepen well from _____ to _____ feet
___ Other _____

___ Drill and test a well for _____ use.

___ Supplemental well

5. ADDITIONAL STATEMENTS OR EXPLANATIONS:

_____
_____
_____
_____
_____
_____
_____
_____
_____

ACKNOWLEDGEMENT FOR NATURAL PERSONS

I, Robert Payne affirm that the foregoing statements are true to
(Please Print)
the best of my knowledge and belief, By: _____.

Robert Payne _____.
Signature Signature

Trn Desc: RG 76697
Log Due Date: 10/03/2002
Form: wr-01

File Number: RG 76697
Trn Number: 215282

Revised June '78

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Robert Payne Owner's Well No. ____

Street or Post Office Address PO Box 763

City and State Magdalena NM 87825

Well was drilled under Permit No. RG 76697 and is located in the:

a. NW ¼ NE ¼ SW ¼ ¼ of Section 29 Township 03S Range 04W N.M.P.M.

b. Tract No. T-A of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the Muleshoe Land & Cattle Subdivision, recorded in Socorro County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

USGS Quad Map 64.3.4

(B) Drilling Contractor Jerry Pittman Dba Gallup Well Drilling License No. WD-1507

Address HCR 31 Box 7 Fence Lake, NM 87315

Drilling Began 10/15/01 Completed 10/19/01 Type tools Air/Rotary Size of hole 8 in.

Elevation of land surface or ____ at well is ____ ft. Total depth of well 605 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 516 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
575	595	20	Dark Red Malpais	12

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
5" OD	Sch 40	PVC	0	-565	565			
5" OD	Sch 40	PVC .020			40		-565	-605

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor ____

Address ____

Plugging Method ____

Date Well Plugged ____

Plugging approved by:

State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received

Quad ____ FWL ____ FSL ____

File No. ____ Use ____ Location No. ____

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	20	20	Cemented Formation
20	100	80	Gray Malpais
100	605	505	Dark Red Malpais

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.