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ALAN R. COYNER
Administrator

ACTIVITY AND ACHIEVEMENTS

April 2010

ADMINISTRATION (ALAN)

1. Attended an advisory board meeting of the NBMG Great Basin Center for Geothermal Energy.
2. Reviewed the final draft of the hazard assessment report for the American Flat millsite.
3. Met with NDEP (Leo Drozdoff, Tom Porta, Colleen Cripps) and the AG's office (Wayne Howle, Kristen Geddes) to discuss the Earthworks v. DOI lawsuit. Wayne indicated he was finishing the amicus brief which would be submitted on behalf of the State.
4. Completed letter to UNR Mackay Geography Department and UNR Office of Sponsored Projects concerning the land withdrawal project.
5. Participated in an IOGCC Steering Committee conference call.
6. Prepared request to Dept. of Administration to authorize overtime for the summer interns.
7. Responded to a Columbia School of Journalism student concerning mining fraud.
8. Made field visits for the Bond Pool to the Bovie Lew project and the Big Canyon project near Yerington.
9. Facilitated a meeting with Vulcan Power and Commissioner Snow with Lynn Hettrick of the Governor's Office concerning the use of a portion of the produced geothermal fluid for cooling fluid in future binary geothermal power plants.
10. Provided data on NDOM geothermal fees to Lisa Shevenell of the Great Basin Center for Geothermal Energy.
11. Monitored the activities of the "Nevada Mineral Exploration Coalition" in reaction to the new additional mining claim fee. Also, assisted several claimholders with information concerning the new additional mining claim fee.
12. Attended the monthly meeting of the Geological Society of Nevada.
13. Facilitated a letter to the Mongolian mining delegation that recently visited Nevada concerning a possible training mission by NDOM/NDEP personnel to Mongolia.
14. Approved work programs to sweep \$427,817 from the Reclamation Bond Pool and \$138,557 from the Oil, Gas, and Geothermal Cash Bonds for a total of \$566,374.
15. Secured Kathleen Sgamma of IPAMS to speak at the IOGCC Lexington, KY meeting concerning the suspension of BLM oil and gas lease sales due to lack of analysis over greenhouse gas emissions.
16. Attended a meeting of the Interim Finance Committee. The Division's work program was approved.
17. Attended the Mackay Executive Advisory Board meeting and Mackay Awards Banquet at UNR.
18. Responded to a request from the U.S. Department of Justice concerning the definition of metal dore' bars.
19. Provided input to the CA Dept. of Conservation concerning the proposed budget for the NAAMLNP national meeting to be held at Lake Tahoe in the fall of 2011 and to be hosted by California and Nevada.

RECLAMATION BOND POOL (DOUG)

1. Issued a bond increase for MAX Resources.
2. Initiated a bond refund for Western Energy Development Corporation.
3. Spoke with Dave Wolfe about reclamation for his notice level project.

MINING, LAND AND OTHER ISSUES (DOUG)

1. Spoke with Tom Runyan of Harris Drilling about permitting.
2. Started work on a contract amendment for Geotemps. Took the contract amendment to increase Geotemps, Inc.'s contract by \$50,000 to Geotemps for their signature.
3. Worked on the mineral production statistics.
4. Worked a day at Farm Days, where NDOM had the table top display set up showing the uses of minerals in our everyday lives. Helped George take the exhibit down.
5. Helped Alan with the BDR for a possible raise in claim filing fee caps.
6. Sent information on agency vehicles (license, mileage, year, purpose, etc.) to the Budget Division.
7. Approved a sundry for NGP.

AML / PUBLIC AWARENESS - NORTH (MIKE)

1. Liz Lane (NPS-Lake Mead) submitted the final draft of the Data Sharing MOU between the National Park Service and NDOM for approval signature from Alan. This agreement will now allow NPS to provide AML inventory, securing status and closure data with NDOM. A copy of our database clipped to NPS-lands was provided to NPS in 2009.
2. Whitney Wirthlin (BLM) requested and received scans of our field topo maps covering the Tecoma, Montello and Loray mining districts. A scan of the NBMG Elko Co. report mining district map was provided to clarify district boundaries in future discussions.
3. Spoke with Jenni Jeffers (NDOW) regarding clusters of abandoned mines in west-central Nevada having potential bat habitat and future bat gating opportunities.
4. Met with contractor Brian Breiter (EPS) to discuss prior month's work and plan future work. He mentioned encountering one shaft off the Pyramid Highway with some smoke and an extremely foul odor emanating from it. A site visit later in the week encountered some smoke but no strong odor. A letter was sent apprising the owner (Golden Crescent Corp.) of the condition of this shaft and other securings on his property with recommendations for alternate securing methods.
5. A representative for Golden Crescent Corp. called to discuss AML remediation efforts on their private property near Perry Canyon in Washoe County. They would like to backfill the open shafts, but need to meet with BLM to discuss access issues.
6. Patented mine owner Hunter Manson called to discuss AML issues on his property in Elko County. Property, mining, and water rights research was conducted on his behalf and forwarded to him for resolution of outstanding issues related to this inherited parcel.
7. Responded to concerned citizen's email regarding open adit near apartment complex in northwest Reno. A site visit found a 15' deep adit on hillside overlooking Hwy 395 and approximately 600' from an apartment complex. The adit was logged and a sign posted at the portal. This feature was not identified on any topo map. A notification letter was sent to the property owner recommending the site be backfilled.
8. Ken Maas (FS) requested clarification of location and ownership information for six hazards in northern Elko County. Some original map information was incorrect and required re-plotting and updating of ownership. Updates on these hazards, a scan of the field map, and digital files of the logging photos were emailed to Ken.

9. Dan Anderson (Fronteer) called to discuss securing requirements and timelines for hazards in Elko County. They will be securing them in May and coordinating with NDOW to make sure securings are bat-friendly.
10. All original field topo maps were reviewed for any remaining annotated non-hazard info needing to be captured digitally. Twelve maps were provided to TerraSpectra for scanning and capture. By the end of the contract period, May 7th, all non-hazard information will have been automated from the older maps and made available as a digital dataset.
11. Met with TerraSpectra to review their work on automating non-hazard information from topos and their hands-on assessment of the Adapx digital pen for capturing digital and analog sets of field data using our hazard inventory, non-hazard, and revisit field sheets. It looks very promising and a field test using our current workflow is scheduled for later this month. They are nearing completion with capturing all annotated non-hazard data from our field topos. A final review of our existing inventory of field maps for outstanding annotations is planned; any maps requiring work will be submitted to TerraSpectra for scanning and acquisition of non-hazard data.
12. TerraSpectra is nearing completion of the RAMS/ACOE contract and will be purchasing several of the Adapx digital capture pens for use by the Carson and Las Vegas staff. Software to integrate data into Excel (and then Access) as well as with ArcGIS was also purchased using contract funds. Dave Brickey will spend several days in the Carson office in early May to assist in the development of the workflow protocol using the Adapx pen.
13. Reviewed all topo maps for older annotated non-hazard information not previously captured digitally. Ten original maps were sent to the Las Vegas office and included with their maps and provided to TerraSpectra for scanning and non-hazard automation.
14. Coordinated with TerraSpectra for next week's office visit and hand-off of contract deliverables.
15. Doug Clarke (FS-Elko) called to discuss AML securing requirements on behalf of a property owner and claimant with hazards in Elko County near Jarbidge. Several signs, securing diagrams and AML brochures will be sent to him for distribution.
16. Traveled, with Ken Maas (FS), to the Burrus Mine in Washoe County to investigate three openings proposed for bat gating using FS gating crew. Specific gate plans were determined for each along with estimate of materials needed and site logistics. Another site visit, to be attended by representatives from UNR, NDOW, and FS is planned for April 27th. Gating is tentatively planned for mid- to late-May.
17. Patent owner John Brent called to request additional information before he would secure hazards on his property in Elko County. A 1989 notation on the inventory sheet mentioned a bond held (by FS) on the property. Current owner knows nothing of this, but believes FS should then be liable for any securing work.
18. Conducted research on historical injuries at historic American Flats millsite to better determine specific injury sites for use in report being prepared for BLM by contractor MaxFour. Inquiries to the Storey County Sheriff's office provided some clarification on historical incident reports. Minor additional information was provided to Dan Jacquet (BLM-Carson) and MaxFour.
19. Storey County Sheriff's office requested and received a copy of press release from 1996 detailing ATV fatality at American Flats.

20. Chris Ross (BLM-NSO) requested and received “Stay Out, Stay Alive” informational outreach material for inclusion in bags to be handed out during Nevada Wildfire Awareness Week, May 1-7.
21. Contractor Pete Herrera continued researching ownership of unsecured hazards in Nye County.
22. Followed up on report from Ed Tomany (State Mine Inspector) regarding recently opened mine shaft in Tonopah. Research on provided coordinates and NBMG’s Mining District Database indicated shaft to be old New York Shaft #1, a historic inclined production shaft which was still open in 1945 but filled sometime prior to 1989 AML inventory work in the region. Historic maps, cross-sections and reports were forwarded to Tom Seley (BLM-Tonopah) and Town Manager James Eason. Discussions were held with all parties addressing current securing status (makeshift fence erected by the BLM) and a more permanent solution. The BLM contracted with Stretch Baker and had the ~100’ shaft backfilled on April 23rd.
23. Met with contractor Brian Breiter to review sites remaining for his revisit project. Additional maps were generated and provided to him.
24. Received a report from the BLM of dynamite found at an abandoned mine south of Wendover in Elko County. AML site not previously inventoried. BLM coordinated with Elko County Bomb Squad for disposal next week.
25. Contracted with Geotemps to hire former intern, and soon to be UNR graduate, Rachel Wearne to assist with data entry and GIS work.
26. Calls were made to several NDOT maintenance facilities to inquire about potential for storage of NDOM T-posts and barbed wire for future use by summer interns. Thus far, Austin, Ely, and Winnemucca facilities have offered storage space for supplies.
27. Summer intern David Thompson informed us of his decision to decline our offer and instead take a job with Hecla in Washington. An offer was made to Jarrett Kemmerly (UNR-GE) who promptly accepted.
28. Spoke with Russell Rocha (Risk Management) regarding a special drivers training class for incoming interns. He will try to coordinate something during their first few weeks.
29. Researched state requirements for real estate disclosures with regard to AML issues as part of request from Kentucky AML program and NAAMLMP membership.
30. Communicated with Kit Gonzales (California Dept. of Conservation) regarding preliminary plans for jointly hosted annual conference for the National Abandoned Mine Land Programs (NAAMLMP) in 2011. RFP’s for Reno-Tahoe hotel/conference sites returned and a conference call will be held next week to prioritize and rank suitable locations for planned site visit in mid-May.
31. Completed support letter for intern Liz Baker’s NAAMLMP scholarship application.
32. Paul and I drove an agency pick-up down to Las Vegas to participate in the Earth Science Workshop for teachers. Work consisted of: assembling and moving supplies, set-up classrooms, display booth, rock and mineral kits, acting as classroom coordinator for grades 9-12 sessions, teaching the “Mining in a nutshell” activity, discussing agency programs including AML, clean-up and tear –down, assisting with field trips, packing materials to agency shed and returning remaining materials to Carson and Reno. 80 teachers registered for the workshop, nine were in the 9-12 session. Unpacked all workshop items at NDOM and NvMA sheds.
33. Teacher Robin Summers requested a Rocks/Minerals/AML presentation for her 4th-grade class at Westergard Elementary School in Reno later this month.

34. Presented Rocks/Minerals/AML presentations to two classes of 4th graders at Westergard Elementary School, Reno. (2 presentations – 60 people)

AML / GIS (PAUL)

1. Drove to the Monarch Mine east of Gardnerville, NV and logged two shafts, two non-hazards, and an open pit.
2. Accompanied Mike Visher to the NDOM storage shed to meet with contractor Brian Breiter. Transferred 100 t-posts and one bail of barbed wire from the storage shed to Brian's work truck to be used on AML revisits.
3. Accompanied Mike Visher to the TerraSpectra office in Las Vegas for a meeting with Elaine Ezra and Dave Brickey to discuss work they are doing on a contract for the NDOM AML program.
4. Received a call from a lady in Las Vegas, NV concerning patented claims owned by a trust. She was a one percent owner in the trust and was in charge of paying the taxes so a letter had been sent out to her concerning the securing of hazards on the patent. I helped her with understanding what they needed to do and what to send into the Division of Minerals after the securing work was done.
5. Touched bases with Rodger Bryon on his son Dillon's Eagle Scout project. Started making plans with Rodger on dates to finish Dillon's project.
6. Received a message from Kelepi Ita from Spring Creek, NV concerning his Eagle Scout project. Called Kelepi back and touched bases with him on AML features for prospective project sites in the Elko area.
7. Worked with George Bishop to research an inquiry from Aurelia Pucinski on a family claim near Chocolate Mountain within the test site south of Beatty, NV. Corrected Mrs. Pucinski on the township and range within the test site boundary and informed her that the court house would be the best resource for her to find out more on the claim.
8. Worked on the NDOM AML database trouble shooting errors and fixing them.
9. Attended meeting with State Parks, State Mine Inspectors, and OSHA at the Lahontan State Parks office concerning the rehabilitation of the Diana Mine to facilitate safe tours for the public. The mine is located in the Berlin Ichthyosaur State Park and has been used for tours in the past. Ground issues forced the Park to halt guided tours of the mine. Ground support, barricades, signage, and daily inspections of the mine by trained employees of the park were discussed.
10. Used ArcGIS to construct topo maps for contractor Pete Herrera to help with ownership research in Esmeralda County. Exported the maps into a pdf and emailed them to Pete.
11. Called Eric Johnson with State Parks about making some sort of an itemized list of materials and work to be done at the Diana Mine.
12. Fielded a phone call from a gentleman concerning private land that had been part of a patent where the government had retained the minerals rights. The question was if they needed to file mining claims or what to mine on the private land. I referred the call to Alan Coyner for more professional advice.
13. Traveled with Mike Visher from Carson City, NV to Las Vegas, NV in a NDOM work truck loaded with supplies for the 2010 Southern Nevada Teachers Workshop. Met with other Education Committee members at the Faith Lutheran School in Las Vegas and set up for the Teachers Workshop. Gave an "Under the Earth" presentation to 8 teachers in the last session of the day. Explained underground mining, some history and terminology of underground mining, and used the "Bread Mining" activity to demonstrate the principles of ground support in underground mining. Assisted Mike Visher in following

tour bus on the last two days of the workshop to provide safety and emergency assistance for the bus if needed. Helped Mike Visser unload and sort supplies left over from the Southern Nevada Teachers Workshop. Hauled some supplies and displays into Carson City NDOM office.

14. Helped Ed Tomany move buckets of fluorite samples from his pickup to an NDOM pickup to be hauled to the storage shed. Ed donates fluorite for the Nevada Teachers Workshop rock and mineral kits.
15. Sent photos of the Southern Nevada Teachers Workshop to Shar Peterson with Newmont for articles in the Winnemucca and Battle Mountain newspapers.
16. Helped George Bishop, Linda Wells, Lowell Price, and Doug Driesner man the booth at the annual Farm Days in Carson City, NV. Over the course of two days we gave 35 minerals presentations to approximately 1000 parents, teachers, and children.

AML / PUBLIC AWARENESS - SOUTH (BILL)

1. Completed Stefano Retis' Eagle Scout AML securing project. Three shafts were re-fenced two miles west of Searchlight.
2. Conducted AML field investigations in the Cuprite Hills area in Esmeralda County. Investigated and ranked 5 hazards and logged 26 non-hazards.
3. Participated in the monthly SNPLMA/ARRA AML closure project conference calls for activities in Clark, Lincoln and White Pine Counties.
4. Logged one new non-hazard in Clark County.
5. Received information on 15 permanent AML closures completed in Clark County by the BOR crew for March and early April, 2010.
6. Working with NDOT and NDOW staff on bat and biological clearances for permanent closure of AML hazard CL-899. The shaft is located in the NDOT right-of-way at the Railroad Pass freeway interchange that connects to the Hoover Dam By-Pass highway.
7. Met with Terra-Spectra Geomatics staff to review questions on the AML non-hazard database for Priority Areas 1-22.
8. Completed a field test of the "digital pen" and Terra-Spectra-generated AML hazard and non-hazard forms near Nelson, Nevada. Conducted a follow-up meeting to discuss pros and cons and incorporation of data into the NDOM AML database.
9. Received information from BOR on 5 permanent AML closures in Clark County funded by the Federal stimulus (ARRA) program.
10. Secured AML hazards CL-2002 (orphan) and CL-2004 (on the Eureka patented mining claim, MS 4366, owned by UNR).
11. Purchased and prepped materials for Carter Crompton's Eagle Scout AML securing project scheduled for Saturday, April 24.
12. Completed Eagle project reconnaissance site visit to the Primm/Sandy Valley area with Scout Tony Simpson (#135). Three AML hazards will be secured - the project is scheduled for May 8.
13. Met with new Eagle Scout candidate Tony Simpson (#135) to discuss his proposed AML securing project. The project reconnaissance trip will be Saturday, April 10 and the project is scheduled for Saturday, May 8.
14. Purchased and prepped materials for Joey Rozich's Eagle Scout AML securing project scheduled for Saturday, April 17.
15. Completed Eagle Scout Joey Rozich's AML securing project. Six hazards were secured southeast of Goodsprings. This is the 111th completed Scout project.

16. Completed Eagle Scout Carter Crompton's AML securing project. Three hazards were secured south of Nelson. This is the 112th completed Scout project. To date, Scouts have secured 557 hazards and have made 74 repairs to existing securings.
17. 21st Annual Southern Nevada Earth Science Education workshop. Las Vegas staff assisted with set-up/teardown, registration, grade-level 4-5 classroom coordination, co-leader of Las Vegas Rock/Red Rock NCA tour and assisted with post workshop tour to Rhyolite and Tonopah Historic Mining Park. A total of 64 teachers attended the workshop. An AML presentation was done for 16 grade-level 4-5 teachers (one presentation – 16 people).
18. Attended a meeting of the NvMA Education Committee curriculum sub-committee to develop a session plan for the Reno 2010 teacher workshop.
19. Attended an NvMA Education Committee meeting. Follow-up on the Las Vegas teacher workshop and planning for the summer workshop in Reno – July 20-22.
20. Collected schist near Beatty for teacher workshop rock kits.
21. Presented minerals/commodities and AML for one 4th grade class at Linda Givens Elementary School – Las Vegas – total of 30 students.
22. Presented minerals/commodities, "Cookie Mining", Birdseed Mining" and AML for 2 classes of pre-Kindergarten and Kindergarten students at Omar Haikal Islamic Academy – Las Vegas – total of 41 students.
23. Presented two sessions of minerals/commodities, AML and "Cookie Mining" for 5th grade students at Innovations International Charter School of Las Vegas – total of 45 students.
24. Presented six sessions of minerals/commodities, AML and "Birdseed Mining" for 126 3rd graders at Elise Wolff Elementary School – Henderson (6 presentations – 126 people).
25. Assisted with a McCaw School of Mines tour by 67 members of a delegation from the Extremadura Business College of Spain including students, educators, business executives and government officials.
26. Prep for the McCaw School of Mines Foundation Gala event to be held at Sam's Town Hotel/Casino on Saturday, April 24.
27. Las Vegas staff attended the McCaw School of Mines Foundation Gala at Sam's Town Hotel/Casino. The proceeds from the event will be reported later.
28. Completed transcribing minutes from the March 19 McCaw School of Mines Foundation board meeting.
29. Assisted with a post-Gala tour of McCaw School of Mines for interested visitors.
30. Presented an overview of the NDOM/NvMA earth science and mineral education program, education resources and AML to 20 teachers-in-training at UNLV (1 presentation – 20 people).

GEOHERMAL (LOWELL)

1. Reviewed Nevada Geothermal Power sundry notice to deepen the Blue Mountain injection well from 7,000 to 8,000 feet. Alan approved.
2. Reviewed Nevada Geothermal Power sundry notice to deepen the Blue Mountain injection well from 8,000 to 8,500 feet. Alan approved.
3. Reviewed Nevada Geothermal Power sundry notice to convert the Blue Mountain 44-14 injection well to a production well. Informed Russ Land, UIC, of the proposed change. Alan approved.
4. Reviewed Nevada Geothermal Power sundry notice to withdraw the sundry for propellant stimulation on this well. Alan approved.

5. Reviewed Nevada Geothermal Power sundry notice to perform a propellant stimulation on the 38-14 production well. Received notice of BLM approval. Alan approved.
6. Reviewed Nevada Geothermal Power sundry notice to perform a propellant stimulation on the 89(82-14)-11 observation well. Received notice of BLM approval. Alan approved.
7. Reviewed Vulcan Power Company's sundry notice to drill the Patua 21-19 directionally rather than vertically as originally proposed. Alan approved.
8. Reviewed Enel North America's sundry notice to run additional 6.625" casing in the Stillwater 45-19 observation well. Alan approved.
9. Reviewed Ormat Nevada's sundry notice to replace a down hole pump in the Steamboat PW-2 production well. Alan approved.
10. Wells drilling: Ormat Nevada Jersey Valley 81A-28 ST1 production well (4,841', drilling); Ormat McGinness Hills 27-16 production well (1,621', drilling); Ormat Gabbs Valley 26-07 observation well (3,674', rigging down, moving rig to Desert Peak); Ormat Desert Peak 11-27 production well (rigging up for workover/flow test of well); Nevada Geothermal Blue Mountain 41-27 injection well (8,046', reaming, preparing to test); Sierra Geothermal Power Alum 26-19 ST1 observation well (3,662', coring); Vulcan Power Patua 36-15 observation well (4,658', trip in to tag top of cement plug); Vulcan Power Patua 21-19 production well (rigging up); Vulcan Power Patua 23-17 production well (6,818', drilling); Vulcan Power Patua 37-17 production well (10,000', rigged down, move to Patua 21-19); Vulcan Power Patua 45-9 observation well (6,170', testing); Standard Steam TG #24 (400', drilling).
11. Scott Kessler of Ormat Nevada notified me that Ormat Nevada has acquired HSS II and its assets, which include the eight existing wells drilled in Hot Sulphur Springs, Tuscarora area. Scott supplied supporting documents of the acquisition.
12. Reviewed Ormat Nevada sundry notice to re-enter the Tuscarora 66-5 well (old well brought into system in 2009). Ormat proposed cleaning out the open hole below intermediate casing, run 9.625" liner if hole is not stable, and flow test well. Alan approved.
13. Reviewed Russ Land's Letter of non-compliance for Enel North America's Stillwater 17-31 well. Enel repaired surface corrosion found on the conductor pip and the surface casing, due to visible leakage. The issue of non-compliance is the result of Enel North America not notifying either NDOM or NDEP when the leak was discovered and prior to repairing the conductor pipe and casing. The well's current status is 'idle', due to Russ not allowing it to be used as an injection well.
14. Reviewed Sierra Geothermal Power sundry notice to flow test the Alum 26-19 observation well. Alan approved. Contacted David Murdza, Department of Health & Human Services, Health Division Radiation Control Program, concerning the proactive approach Vulcan Power Company is taking if a logging tool, and/or its radiological source is lost down hole. Forwarded Mr. Murdza Vulcan Power's proposed procedure of notification and subsequent encasing of tool and/or radiological source in cement, as well as setting a minimum 100 foot cement plug above the fish in the hole. The Health Division Radiation Control Program oversees all usages of radiation devices in Nevada, and I requested their input prior to reviewing Vulcan Power's procedure with Alan.
15. Wells drilling: Ormat Nevada Jersey Valley 81A-28 ST1 production well (5,539', reaming tight hole); Ormat McGinness Hills 27-16 production well (2,140', cementing 13.375" intermediate casing); Ormat Desert Peak 11-27 production well (workover/flow test of well); Nevada Geothermal Blue Mountain 41-27 injection well (8,046', rigging down, moving rig); Sierra Geothermal Power Alum 26-19 ST1 observation well (3,971',

- preparing to flow test); Vulcan Power Patua 36-15 observation well (5,021', coring); Vulcan Power Patua 21-19 production well (939', drilling); Vulcan Power Patua 23-17 production well (7,443', drilling); Vulcan Power Patua 45-9 observation well (6,170', testing); Standard Steam TG #23 (400', preparing to plug).
16. Reviewed Nevada Geothermal Power's sundry notice to reclassify the 58A-15 injection well to an observation well. Due to numerical limitations of injection wells for Blue Mountain with UIC, NGP had to take this 58A-15 offline to allow a better injection well to be put online. Consulted with Russ Land due to the injection status. Once Russ was shown through photographs that the 58A-15 was offline, Russ gave his nod of approval. This well is located on a private lease. Alan approved.
 17. Reviewed Nevada Geothermal Power's sundry notice to suspend drilling operations in the 91-15 production well. This well was recently stimulated through the propellant stimulation method. NGP plans on observing this well for the time being. Alan approved.
 18. Reviewed Ormat Nevada sundry notice to deepen the Jersey Valley 81A-28 production well from 5,500 feet to 6,000 feet. Alan approved.
 19. Reviewed Sierra Geothermal Power's sundry notice to allow the Alum 26-19 observation hole to continue drilling, HQ core, to 4,500 feet, currently coring at ~3,575 feet. NDOM concurred with BLM's approval. Alan approved.
 20. Wells drilling: Ormat Nevada Jersey Valley 81A-28 ST1 production well (5,816', running 9.625" liner); Ormat McGinness Hills 27-16 production well (2,659', drilling); Ormat Desert Peak 11-27 production well (2,037', drilling); Sierra Geothermal Power Alum 26-19 ST1 observation well (3,575', drilling in new sidetrack); Vulcan Power Patua 36-15 observation well (5,406', coring); Vulcan Power Patua 21-19 production well (3,752', drilling); Vulcan Power Patua 23-17 production well (8,005', reaming); Vulcan Power Patua 45-9 observation well (6,763', coring); Standard Steam TG #21 (400', drilling).
 21. Reviewed Nevada Geothermal Power's sundry notice to move the Blue Mountain 71-22 to 73-22 and change the proposed well drilling program. BLM granted NGP their approval. Alan approved.
 22. Reviewed Nevada Geothermal Power's sundry to extend the expiration dates on the Blue Mountain 21-14 and 42-14 production well permits. Alan approved.
 23. Reviewed Ormat Nevada sundry notice to repair/replace down hole pump in the Steamboat 87-29 production well. Alan approved.
 24. Reviewed Ormat Nevada sundry notice to utilize Tiger Energy Services propellant stimulation in the Brady 15-12 ST1 production well. Alan approved.
 25. Reviewed Terra-Gen Dixie Valley sundry notice to repair or replace intermediate casing, or side track around damaged sections of intermediate casing, in the Dixie Valley 37-33 production well. Alan approved.
 26. Resolved Magma's request for clarification of who is responsible for P&A work on an old well, 23-1, that remains open on their Desert Queen acreage. Magma 'inherited' the 23-1 observation well, drilled in 1979, when they picked up this private lease. Phillips Petroleum drilled the well. The lease area has been held by Western States Geothermal and Ormat Nevada since Phillips Petroleum dropped the acreage. Discussed with Alan. It was determined that if Magma Energy did not re-enter the 23-1 well, Magma would not be responsible for any P&A work on this well. I am waiting to hear from either Magma Energy or Ormat Nevada concerning contact information of the land owner, who will be responsible to P&A the well in the event Magma Energy does not re-enter the 23-1 observation well.

27. Wells drilling: Ormat Nevada Jersey Valley 81A-28 ST1 production well (5,816', testing well); Ormat McGinness Hills 27-16 production well (3,392', drilling); Ormat Desert Peak 11-27 production well (2,465', drilling); Sierra Geothermal Power Alum 26-19 ST1 observation well (4,148', drilling in new sidetrack); Vulcan Power Patua 36-15 observation well (5,594', rigging down); Vulcan Power Patua 21-19 production well (5,185', drilling); Vulcan Power Patua 23-17 production well (9,704', fishing); Vulcan Power Patua 45-9 observation well (7,000', logging); Standard Steam TG #4 (400', drilling).
28. Reviewed Nevada Geothermal Power's sundry notice to reclassify the Pumpnickel Valley 64-4 permit from an observation to production well, as well as change the drilling program. Alan approved.
29. Reviewed Ormat Nevada's Desert Peak 76-28 production well permit application and drilling program. Proposed total depth is 1,500 feet. Alan approved.
30. Reviewed Hot Pot Geothermal's sundry notice to deepen the Hot Pot TG 9-1 hole to maximum TG depth of 1,000 feet. Alan approved.
31. Reviewed Hot Pot Geothermal's sundry notice to move the Hot Pot TG 33-1 hole to the 17-1 location, and change drilling plan to drill to the maximum TG depth of 1,000 feet. Alan approved.
32. Reviewed Earth Power Resources Tumbleweed Flat 11-5 observation well permit application and drilling program. Proposed total depth is 6,000 feet.
33. Terra-Gen is continuing their workover of the 37-33 production well, attempting to replace upper section of 13.375" casing that is corroded.
34. Wells drilling: Ormat Nevada Jersey Valley 81A-28 ST1 production well (5,816', completed tests, rigging down, moving rig to McGinness Hills 61-22); Ormat McGinness Hills 27-16 production well (3,785', drilling); Ormat Desert Peak 11-27 production well (2,898', drilling); Ormat Tuscarora 66-5 production well (5,289', re-enter old well, clean out, tested BOPE, preparing to deepen well); Sierra Geothermal Power Alum 26-19 ST1 observation well (4,526', fishing for inner tube of core barrel); Vulcan Power Patua 21-19 production well (5,219', testing 13.375" BOPE); Vulcan Power Patua 23-17 production well (10,110', drilling); Vulcan Power Patua 45-9 observation well (7,000', rigged down); Vulcan Power Patua 45-27 observation well (4,280', coring).

OIL AND GAS (LOWELL)

1. Reviewed the Cabot oil and Gas Lake Valley 29-10 permit application. Well is to be located in Lincoln County. The Lake Valley 29-10 will be the first horizontal oil potential test of the Chainman Shale, similar in scope with the Bakken Shale, located in the Williston Basin, North Dakota. Received notification of BLM approval. Alan approved.
2. Reviewed Empire Petroleum Corporation's permit application for the Paradise Unit 2-12, located in Nye County northwest of Gabbs. The proposed total depth is 6,000 feet and will be drilled vertically. This well will test the same overall structural feature where the previous Gigante 1-4 and Cobble Cuesta 1-12 wells were plugged and abandoned.
3. Reviewed Berry Petroleum's report pertaining to a very small oil spill at their Eagle Springs Field. Spill is ten barrels or less, mostly contained in a liner underlying facility where spill occurred. A minor amount of dirt was scraped from the surface alongside the containment area and taken to the "farm".
4. Arranged for a missing section of the Platform Express log for EOG Resources ORG 1-7 to be brought into the NDOM system.

5. Reviewed Makoil's sundry notice and procedure to plug and abandon the Trap Springs 12-23 well. Alan approved.

OTHER (LOWELL)

1. Met with Ken Bonin, Vulcan Power Company, along with John Menghini and Lorenzo Trimble, BLM, to discuss Vulcan Power's proactive approach to establish certain procedures to follow if a logging tool/radiological source is permanently lost down hole. Discussion revolved around encasing the logging tool/radiological source in cement and the emplacement of a cement plug on top of the fish, a minimum of 100 feet in length. Also, discussed minimum distances to sidetrack around fish.
2. Met with Alan, John Snow, Ken Bonin (Vulcan Power) and Jim Combs (Vulcan Power) to discuss utilizing a portion of the geothermal fluids to use as a coolant for their upcoming plant facility at Patua (Hazen area). Jason King, Deputy State Engineer was brought into the conversation via telephone. Mr. King gave some positive feedback concerning the use of geothermal fluids as a coolant for the yet to be built generation plant.
3. Met with Alan, Ken Bonin (Vulcan Power), and Jason Hefner (Vulcan Power) to discuss Vulcan Power's current situation concerning the ongoing EIS for their Carson Lake/Salt Wells acreage. The BLM is requesting confidential data from Vulcan Power pertaining to the Carson Lake/Salt Wells acreage that Vulcan Power does not want to be made public through the EIS document.