



JIM GIBBONS
Governor

STATE OF NEVADA
COMMISSION ON MINERAL RESOURCES
DIVISION OF MINERALS
400 W. King Street, Suite 106
Carson City, Nevada 89703
(775) 684-7040 • Fax (775) 684-7052
<http://minerals.state.nv.us/>

Las Vegas Branch:
2030 E. Flamingo Rd.
Suite #220
Las Vegas, Nevada 89119
(702) 486-4343
Fax (702) 486-4345

ALAN R. COYNER
Administrator

ACTIVITY AND ACHIEVEMENTS

October 2009

ADMINISTRATION (ALAN)

1. Attended the IOGCC annual meeting in Biloxi, MS. Chaired the Public Lands committee session. Two speakers gave presentations on how climate change and global greenhouse gas emissions are impacting NEPA in resource permitting on public lands.
2. Discussed with Atanda Clark – BLM NSO whether a 160 acre association placer claim could be segregated into 8 individual 20 acre placer claims without filing new claims.
3. Coordinated with NDEP the notification of the owner of the Duplex Mine in Clark County concerning the AML hazard on the property. NDEP had issued a Notice of Alleged Violation to the property owner for mining without a reclamation permit.
4. Approved selection of McGinley and Associates for the geothermal study at Wabuska.
5. Attended, with Commissioner Snow, Lowell Price, and DAG Robert Kilroy, the dedication of the Nevada Geothermal geothermal power plant at Blue Mountain near Winnemucca. Delivered Governor Gibbons' Certificate of Achievement to Lynn Hettrick, Deputy Chief of Staff from the Governor's Office.
6. Discussed with Commissioner Bryan a possible mapping project for the UNR Mackay Geography Department concerning land withdrawals and their affect on affecting mining over time in Nevada.
7. Attended the Mine Safety Conference sponsored by the NvMA at the Silver Legacy.
8. Revised NDOM info for Nevada Tax Facts published by Nevada Taxpayers Association.
9. Provided information to Russ Allen concerning the Monte Cristo diatomite deposit.
10. Met with Lee Ogle of Ogle-Noland Mining concerning a refinery they are building to process black sand concentrates in the business park near Tracy.
11. Responded to Hilliary Reister of Richard Harris' law office concerning the recent BLM mining claim maintenance fee increase.
12. Provided information to Eric Berentsen of Jipangu concerning the Gooseberry mine.
13. Received information from Jipangu concerning AML hazards at the Valerie mine.
14. Met with Tim Crowley of the NvMA to discuss program coordination.
15. Met with Jeff Thompson of UNR College of Science to discuss the mining claim fee payment logistics for FY10.
16. Received clarification from Greg Lang of Barrick Gold concerning the schedule for Marigold Mine royalty payments to UNR.
17. Presented "Stay Out and Stay Alive" at the Humboldt County Library in Winnemucca (1 presentation – 20 people).
18. Presented, with George Bishop, 8 sessions of Stay Out and Stay Alive and Minerals and their Uses to 1st through 4th grade classes at Bordewich-Bray Elementary School in Carson City (8 presentations – 220 people).
19. Facilitated the CMR meeting in Reno.
20. Attended the SME monthly meeting, the GSN Symposium meeting, and the GSN monthly meeting, all in Reno.

21. Attended with Commissioners Mudge and Bryan, the UNR Mackay EAB.
22. Attended the State Financial Education Day on behalf of the Division.
23. All employees took their required furlough days in September.

RECLAMATION BOND POOL (DOUG)

1. Issued notice level bonds for Nevada Gold Holdings, NV Gold Corp (USA), American Diatomite, Kapacke Mining, and General Gold
2. Processed a bond reduction for David C. Mathewson.
3. Called Lacy Trapp at the BLM-NSO regarding pending bond releases.
4. Initiated 6 bond releases, 3 for Agnico-Eagle and 3 for MGC Resources.
5. Worked with 2 Canadian companies regarding their vendor numbers required prior to bond refund payments.
6. Initiated 3 deposit refunds for Duncan Park Holdings, Bonaventure Nevada, and Redstar Gold (USA).
7. Responded to an auditor for Jipangu regarding the status of their bond.
8. Provided Eric Scheetz, an auditor with the controller's office, the dollar amount of bonds in the bond pool, the amount of cash, and the amount of cash consisting of deposits as of June 30, 2009.

MINING, LAND AND OTHER ISSUES (DOUG)

1. E-mailed Robert Kilroy to ask about the contract with Medallie Art.
2. Sent the exploration survey to Jon Price for review.
3. Approved 10 geothermal sundry notices, 9 permits and 1 oil permit.
4. Started the process of re-enrolling in ASAP, the federal system of receiving monies.
5. Initiated the work program for the \$25K landman contract.
6. Spoke with Tad Dunbar (Channel 4) about the Oyu Tolgoi mine in Mongolia. He was wondering if the opening of that mine would siphon miners away from Nevada. I assured him the impact would be minimal, at most.
7. Responded to the BLM about a question regarding the segregation of an association placer claim.
8. Attended the Geothermal Resource Council's conference in Reno.
9. Responded to questions about the Winnemucca Dry Lake mineral "deposit."
10. Made up an Eagle Scout certificate for one of Bill's scout projects.
11. Attended the CMR meeting in Reno.
12. Mailed out the 2008 Nevada Exploration Survey.

AML / PUBLIC AWARENESS - NORTH (MIKE)

1. Attended the annual National Abandoned Mine Land Programs (NAAML) conference held in Rogers, Arkansas. Technical sessions focused on AML success stories and new tools and techniques for AML evaluation and remediation. Tours of AML sites in the tri-state area of NW Arkansas were well attended and provided many compare and contrast scenarios for Nevada's AML issues. The day-long business meeting was attended by approximately 18 states and tribes, plus representatives from Office of Surface Mining, Interstate Mining Compact Commission, BLM and industry. Summaries were presented from the various committees, updates were provided by OSM and IMCC, and new officers were elected. Mike Garner (Maryland) is the new president. Approximately 180 people attended the conference. The 2010 winter business meeting (2/21-2/23) is in Lajitas, Texas and the 2010 annual conference (9/19-9/22) is in Scranton, Pennsylvania.

2. While at the NAAMLPL conference met with Dennis O'Bryant (Assistant Director, Office of Mine Reclamation - California) and discussed plans for co-hosting the 2011 conference at South Lake Tahoe. Fortunately, Dennis has an employee with significant event planning experience who will greatly assist in the process.
3. Created websites with pictures from NAAMLPL conference tours and events and emailed link to membership.
4. Communicated with Katie Miller (NDOW) regarding the master bat gate list spreadsheet and updates from BLM, NDOW and NDOM.
5. Communicated with Katie Miller (NDOW-Elko) regarding recent closure activities and plans for 2010 work at the Contact mining district near Jackpot. We are evaluating UTM's of AML sites she provided which apparently are not included in our inventory work of the region.
6. Perform QA/QC work on all available Elko County documentation in the AML photo database. A folder containing lower resolution versions of 586 images was created and submitted to NDOW's ftp site for use by Katie Miller (NDOW-Elko) and colleagues in upcoming field visits as part of the NEPA process for planned closures of AML sites in the Contact and Blanchard mining regions in northern Elko County. Worked with Katie Miller to resolve hazard UTM discrepancies in working spreadsheet.
7. Ken Maas (USFS) requested assistance in determination of the location of nine exploration/mining projects formerly operated by Tronox/Kerr McGee. Tronox filed for Chapter 11 bankruptcy earlier this year. Only one project (Barcelona – TiO₂) is located on FS-managed lands in Nye County, though two other large claim blocks were identified on FS-managed lands in Mineral County.
8. Ken Maas (USFS) called to discuss inaccuracies contained in the 2008 AML Report regarding the number of permanent closures performed by USFS. Our records as of 1/15/09 indicated 31 closures by the USFS; however his data indicates 66 closures. Part of the discrepancy is due to the fact that FS personnel performed closure work on BLM-managed lands and were not recorded as such. In a few other cases where cooperative closure efforts occurred, only one agency is entered in the master database. Ken provided spreadsheets detailing 2009 work to-date in an effort to prevent any inaccurate reporting in next year's report.
9. Matt Emerson (KFC – Reno) called to inquire about the status of any bat gating projects as they are one of the four contractors with the State. A conference call is planned with NDOW to determine status, priority and availability of funds for bat gating projects in FY2010.
10. Received a call from an environmental contractor working for the town of Carlin requesting information on location of identified AML hazards. Research within region of concern found no known AML hazards and only a few caved non-hazards logged in the '90's.
11. Jared Shower (Shower Excavation Co.) called to discuss AML contractor opportunities. Contact information for State Purchasing and BLM-NSO was provided.
12. Claimant Glenn Couch called to inquire about staking opportunities near his family's old placer claims northwest of Yerington. Current LR2000 claim reports were emailed to him as well as references on how to use assorted land research websites.
13. Communicated with Jennifer Newmark (Natural Heritage) regarding timing of bat gate construction in northern Nevada.
14. Claimant Tom Callicrate provided notification of his intent to secure several hazards at one of his properties and requested several signs, which were promptly mailed to him.

15. Brian Breiter submitted his invoice for September contract work; \$3,831.05 for 14 working days of AML revisit work. Approximately \$11,350 remains on his contract.
16. Communicated with John Wilson (Geovision) regarding the downhole camera system he manufactures and sells to industry, states, and federal agencies. An impressive demonstration of the system was conducted at the NAAMLN conference in Arkansas. New Mexico's AML program purchased a system from him last year and they use it in a similar fashion to how we would; preliminary evaluation of shafts for complexity, contents and the potential bat habitat and related determination of need for further study related to NEPA. The motorized pan/tilt camera and light assembly is capable of transmitting color images via cable to a surface monitor from depths of up to 2,000'. Originally designed for inspection of wells, boreholes and well casing, the system is becoming more widely used in related applications such as AML. A preliminary quote came in at \$14,250.
17. After discussions with Orion Bobo (IT – B&I), the planned impacts to our AML database and potential web-enabling, DOIT may need to be intimately involved or even manage the work performed by contractor TerraSpectra. A copy of the Scope of Work was sent to Ron Swenson (DOIT) for review and comment.
18. Communicated with Ron Swenson (DOIT) regarding their possible inclusion in the planning process for web-enabled database tasking with contractor TerraSpectra Geomatics (LV).
19. Worked with Orion to establish IT pathway to share large amounts of data electronically with NDOW.
20. Scheduled a visit with TerraSpectra in Carson office for November 17th as part of their RAMS contract work for our AML program.
21. Sent email to David Brickey (TerraSpectra, Las Vegas) with attachments of current AML field forms for evaluations of digital field entry systems.
22. Messages were left with DoIT staff seeking input regarding TerraSpectra's plans for enabling the NDOM AML database to be viewed online by priority users. TerraSpectra staff will be in the Carson office on November 17th and have requested state IT support representatives to be present. Orion Bobo (B&I - IT), who generally handles all NDOM's IT support, has been invited and is expected to be present.
23. Assisted with Noble Studios request for raw video footage used in Newmont's new educational mining video, currently seen on NvMA's website. Noble Studios will be incorporating segments of the video in their interactive mining exhibit for the Fourth Ward School.
24. Western Nevada College student Debbie Lambin was referred to NDOM by Liz Ball (UNR-Mackay) as a resource for a project for her current GIS class. Debbie will be transferring to Mackay next spring (Geology) and expressed interest in our AML program after learning of it on the Twin Creeks student trip sponsored by NDOM this past spring. After meeting with NDOM staff she has decided to work on a GIS project that will highlight known AML hazards (from our database) that would be visible from the now operating V&T railroad route between Virginia City and Carson City. Paul has provided her with the necessary data files and will be assisting as needed. Her project will be completed in approximately six weeks.
25. State Archives completed scanning of AML slides for Churchill County; four counties remain to be scanned.
26. Communicated with Adella Harding (Elko Daily Free Press) regarding the 2008 AML Report and an article about it in the upcoming Mining Quarterly.

27. George mailed out 684 copies of the 2008 AML Report to interested parties.
28. Lander County Commissioner Ray Williams called to request additional copies of AML report be sent to local land board in Austin. Six reports were sent.
29. Former interns Jamie Loyola and Andreas Achleithner requested and received reference contact information for job applications.
30. Presented "Paste with a Taste" minerals activity to three classes of 2nd graders at Miguel Sepulveda Elementary School in Sparks. (3 presentations – 56 people)
31. Staff made five rocks and minerals presentations to classes of first graders at Cottonwood Elementary School in Fernley. (5 presentations – 150 people)
32. Staff prepared 300 sets of "Stay Out, Stay Alive" outreach items for distribution by Sue Hawkins (Newmont) at their planned "Gold Fever" school event in Winnemucca.
33. Confirmed attendance at Geosciences Career Day at UNR on Friday, October 9th.
34. Received a request Patty West for classroom presentations in two weeks at two Head Start classes in Sparks.
35. Attended AIPG Career Day as one of 10 presenters to approximately 17 interested college students. Presenters from industry and academia discussed their individual education and career paths and answered questions from students.
36. Traveled with staff to Lovelock for surprise birthday celebration for mining advocate, prospector and educator Carl Wikstrom, who turned 94.
37. Attended NvMA Education Committee meeting to continue planning for 2010 Teachers Workshops.
38. Created a flyer advertising the 2010 northern Nevada Teachers Workshop for distribution at several upcoming NDOM outreach events.
39. Attended quarterly CMR meeting.

AML / GIS (PAUL)

1. Worked on updating hazard ID sheets with revisit information turned in to the Carson City office by EPS contractor Brian Breiter.
2. Traveled to the Dun Glen area to investigate a report of old blasting caps dumped on the ground. The people reporting the caps sent printouts of maps showing the location of the found caps. Using the coordinates and the maps provided to me on the location of the blasting caps I tried to find and identify the caps. After spending four hours in the field looking, I was unable to find the pile of blasting caps reported. Logged two revisits in the area of the reported caps.
3. Traveled to Elko, NV and worked in the field logging hazards in the Harrison Pass area. Logged six new hazards, logged one revisit, and logged five non-hazards.
4. Helped Linda Wells locate and print out photos of hazards for letters being sent out to claimants.
5. Used ArcGIS to construct and print page sized maps for letters Linda Wells was getting ready to send to claimants concerning hazards they are responsible for. Linda sent out 28 letters concerning 186 hazards with maps and photos for each hazard.
6. Received spreadsheet from Katie Miller from Nevada Department of Wildlife-Elko Office, concerning hazards in the Contact Mining District north of Wells. The spreadsheet was a list of hazards from the BLM on over 100 hazards that are potential backfill/bat gate candidates. Worked with Mike Visher to correct errors in the spreadsheet and reformat the information into a useable spreadsheet for ArcGis.
7. Called Katie Miller with NDOW to go over discrepancies found in the Contact Mining District spreadsheet and work with her on corrections to facilitate more efficient field

work for NDOW and more reliable data for NDOM. Katie is working with NDOM to reacquire coordinates for some of the NDOM hazards at the Contact site.

8. Updated hazard ID sheets in the ID sheet binders.
9. Chuck Williams came into the Carson City NDOM office and delivered photographs of a hazard he was concerned about in the Dun Glen area.
10. Met with Debbie Lambin and Mike Visser to discuss a project for her GIS course at Western Nevada College. The project will outline the visible hazards surrounding the new V&T Rail Road route. Provided shape files and a spreadsheet from our database of NDOM hazards in the area. Debbie will provide the results of the project to NDOM after she has ascertained which hazards can be seen from the route.
11. Helped George Bishop load NDOM booth and supplies into the Yukon to transport to the Silver Legacy in Reno to set up for the fifth annual Joint Regional Mine Safety and Health Conference. Manned the NDOM booth for two days at the MSHA conference in Reno. Visited with safety representatives from several mines located in Nevada about AML features located on mine properties.
12. Received email from Dillon Bryan with a copy of his Eagle Scout project proposal attached. Reviewed and signed the proposal and faxed a copy back to Dillon to be submitted to the council for approval.
13. Received a call from Dimitri Monson concerning land his family owns in Crescent Valley and companies that have approached him concerning leasing the land for geothermal and lithium exploration. Alan Coyner called him back.
14. Received a call from a man in Florida that was interested in any web sites that list all of the mines for sale or lease in Nevada. I told him that I did not know of any sites like that but that he might try the various mining journals.
15. Attended the Education Committee meeting at the NvMA offices in Reno.
16. Constructed maps for CMR folders and made preparations for the Commission on Mineral Resources quarterly meeting to be held in Reno.
17. Traveled to Reno to attend the quarterly CMR meeting.

AML / PUBLIC AWARENESS - SOUTH (BILL)

1. Work continues on updating Clark County AML land research.
2. Investigated and ranked 7 hazards, logged 14 non-hazards and re-visited three hazards (CL-233-235) near Searchlight – Clark County.
3. Visited a shaft (CL-969) at the Duplex Mine in Searchlight with a damaged fence reported by NDEP Bureau of Mining Regulation and Reclamation. Property owner notified by letter of responsibility to re-secure the shaft.
4. Received word from Duplex Mine property owner in Searchlight that a fence damaged around a very deep shaft on the property will be fenced within the next week and a half and photos will be supplied.
5. Conducted AML site visits with Bureau of Reclamation staff in the Searchlight area – hazards proposed for permanent closure under SNPLMA Round 5-6.
6. Investigated and ranked two hazards in Clark County and conducted 4 site re-visits.
7. Assembled two Eagle Scout AML projects packages for Michael Bashaw (#109) and new Eagle Scout candidate Ricardo Milan (#130).
8. Eagle project reconnaissance site visit with candidate Ricardo Milan (#130). Five hazards will be secured south of Nelson, Clark County – project date: October 17, 2009.
9. Completed Ricardo Milan's Eagle Scout AML securing project. Five hazards south of Nelson, Clark County were fenced or barricaded.

10. Attended and made a presentation at Eagle Scout Myles Putnam's Court of Honor Ceremony - Henderson. Myles is Scout #111 and his was the 95th completed project.
11. Attended the annual Spring Mountain Ranch Pioneer Days celebration. Agency display visited by an estimated 150 people (one presentation – 150 people).
12. Innovations International Charter School of Nevada "After-School" presentation: Minerals and Commodities and "Cookie Mining" for six K-4 students (one presentation – 6 people).
13. Rock and mineral kits and AML handout materials delivered to the Goldwell Open Air Museum at Rhyolite for the new display on mining in central Nevada.
14. Debbie Selig attended the annual Henderson National Trail Days event. Agency display visited by an estimated 200 people (1 presentation – 200 people).
15. Innovations International Charter School of Nevada "After-School" presentation: "Stay Out and Stay Alive" for 9 K-4 students (1 presentation – 9 students).
16. Participated in a Nevada History Day presentation at the Old Mormon Fort State Park in Las Vegas. Presented minerals and commodities, Nevada mining history, "Birdseed Mining" and AML (one presentation - 24 people).
17. Presentation of "Rocks and Geology" to 9 - K, 2, 4 and 6th graders at Innovations International Charter School of Nevada (one presentation – 10 people).
18. Presented minerals and commodities and AML for K-5 students at E.W. Griffith Elementary School's Nevada Days celebration (one presentation – 200 people).
19. Assisted with the McCaw School of Mines Nevada Day Open House attended by an estimated 500 people.
20. Tour requests made for the 2010 Southern Nevada Earth Science education workshop (March 31 and April 1, 2010). Affirmative responses from Red Rock National Conservation Area, Valley of Fire State Park, Cashman Equipment, PABCO Gypsum, McCaw School of Mines, Tonopah Historic Mining Park and Rhyolite. Requests pending include Rainbow Rock, Frehner/Bardon Materials, and Otteson Turquoise.
21. Attended a Nevada Mining Association Education Committee meeting – Reno.
22. Attended quarterly Commission on Mineral Resources meeting.

GEOHERMAL (LOWELL)

1. Reviewed Ormat Nevada's McGinness Hills 57A-22 (P), 58A-22 (P), 57B-22 (P), and 66B-22 (P) production well permit applications. Proposed wells are on a private lease. Doug approved.
2. Reviewed Ormat Nevada's McGinness Hills 57B-22 (O), 58A-22 (O), 58B-22 (O), and 66A-22 (O) observation well permit applications. Proposed wells are on a private lease. Doug approved.
3. Received BLM notification of approval for the Ormat Nevada McGinness Hills 88-16 production well. Doug approved the pending permit application.
4. Reviewed US Geothermal's sundry notice to temporarily re-classify the 52-21 production well (currently not in use) as an injection well. The request is in response to UIC having US Geothermal do MIT tests on nearby injection wells. I am waiting for Russ Land's approval for the re-classification.
5. Reviewed Enel North America's Stillwater 88-1 injection well sundry notice to re-classify as a production well. Doug approved.
6. Met with Russ Land and discussed Peppermill's proposed testing of Production Well #8.
7. Wells drilling: Ormat Nevada McGinness Hills 28-10 production well (3,400', moving off location); Ormat Nevada McGinness Hills 86-16 production well (moving on

- location); Peppermill Casino Production Well #8 (4,421', preparing to run flow tests, utilizing injection well #4); Sierra Geothermal Power Silver Peak TG 17-11 (420', rigging down).
8. Attended the Geothermal Resource Council Conference from October 4th through October 7th. NDOM shared a booth with the Great Basin Center for Geothermal Energy in the conference's exhibition hall. The booth maintained a steady flow of traffic throughout the conference, where numerous people representing companies not currently involved in Nevada asked about exploration issues, leasing, and permitting procedures within the State.
 9. Reviewed Ormat Nevada's Desert Peak ST-12 sundry notice to pull tubing from hole. Doug approved.
 10. Reviewed Magma Energy's sundry notice to pull 700 feet of one quarter inch tubing from the 81-33 production well at Soda Lake, run temperature and pressure tests, and re-install one quarter inch tubing. Doug approved.
 11. Met with Russ Land, Alan Bailey, Linda Wells, Chris Baumann, and Peppermill staff associated with the #8 production well at the Peppermill Casino. Testing procedures for the #8 production well were reviewed with UIC and NDOM, as well as utilizing 'sound' logs to help evaluate the #4 injection well. It was later learned the sound logs for the #4 injection wells revealed problem areas behind casing. Russ Land has shut down the #4 injection well until further evaluation has occurred.
 12. Wells drilling: Ormat Nevada McGinness Hills 86-16 production well (525', running 20" casing); Ormat Nevada McGinness Hills 58B(O)-22 observation well (rigging up); Peppermill Casino Production Well #8 (4,421', running flow tests, utilizing injection well #4); Sierra Geothermal Power Silver Peak TG 43-11 (500', rigging down, moving to TG 41-10).
 13. Reviewed US Geothermal sundry notice to temporarily allow injection into the 52-21 production well (not currently in use) in order to facilitate MIT testing in injection wells at San Emidio. Coordinated approval process with Russ Land at UIC. Alan approved.
 14. Reviewed Hot Pot Geothermal (Oski Energy) temperature gradient hole applications for HP TG10-1 and HP TG14-1 within the Hot Pot geothermal area. Alan approved.
 15. Reviewed the Nevada Geothermal Power sundry notice to change the status of the Blue Mountain 44-14 production well to an injection well. Coordinated approval process with Russ Land at UIC. Received BLM notification of their approval. Doug approved.
 16. Reviewed Ormat Nevada's sundry notice to allow a long term flow test, up to 30 days, on the Steamboat Hills 83B-6RD production well. Produced fluids will be put through the SBH generation facility and not discharged to the surface. Doug approved.
 17. Peppermill Casino commercial production well #8: flow testing was halted by Russ Land due to indications from logs run in the #4 injection well that there are serious casing issues identified in the logs. NDEP is requiring injection well #4 be shut in while all the facts can be collected and evaluated. NDOM concurred with the UIC decision.
 18. Witnessed BOPE tests on the VA Hospital Geothermal Test Well #1 in Reno. Testing of the annular bag took two days due to leaks within the system during the first day attempts at testing. 3M annular bag was tested to 1500 psi on second day for a period of thirty minutes, where ~ 30 to 40 pounds of pressure was lost during test.
 19. Wells drilling: Ormat Nevada McGinness Hills 86-16 production well (525', running 20" casing); Ormat Nevada McGinness Hills 58B(O)-22 observation well (rigging up); Peppermill Casino Production Well #8 (4,421', flow tests halted due to casing problems in injection well #4, being used to reinject produced fluids from the new #8 production

- well); Sierra Geothermal Power Silver Peak TG 73-10 (430', drilling); VA Hospital Test Well #1 (360'; BOP tests on 16" casing).
20. Reviewed Enel North America's sundry request to allow a 30 day flow test on their Stillwater 88-1 production well. The 88-1 production well will be tied into pipeline system and the produced water will be put through the Stillwater 2 plant. Alan approved.
 21. Reviewed the Sierra Geothermal Power's Alum 25-29 observation well permit application. The well will be drilled to 8,000 feet in the Alum Project area, southwest of Tonopah, Esmeralda County. Alan approved.
 22. Reviewed Nevada Geothermal Utility District's (Reno) sundry request to reclassify the Warren Estates 4 injection well to a production well. The request was in response to Russ Land, UIC, issuing a new UIC permit to Nevada Geothermal Utility District, where Warren Estates 4 is to be excluded from injection.
 23. The Peppermill Casino has elected to drill injection well #9 to replace injection well #4, rather than repair the old well drilled in 1989. The Peppermill Casino will be submitting an injection well permit application along with the associated drilling program in the very near future.
 24. Attended Nevada Geothermal Power's dedication of the Faulkner 1 Power Plant at Blue Mountain, approximately 25 miles west of Winnemucca, with Alan, John Snow, and Robert Kilroy.
 25. Wells drilling: Ormat Nevada McGinness Hills 86-16 production well (1,915', ran 13.375" casing to 1910 feet; nipping up to casing); Ormat Nevada McGinness Hills 58B-22(O) observation well (1,839', running 7 inch casing); Sierra Geothermal Power Silver Peak TG 73-10 (532', rigging down, moving to TG 18-11).
 26. Reviewed Ormat Nevada's Dead Horse Project Area permit application. Dead Horse is located west of Gabbs in Mineral County. The project area calls for fifteen production wells (4,500'), five injection wells (2,000'), and ten observation wells (4,000'). Linda prepared the public notice, and is awaiting Scott Kessler's approval of the notice before publishing it in the Reno Gazette Journal and the Tonopah Times.
 27. Reviewed Ormat Nevada's Gabbs Valley Project Area permit application. The project area is located in Mineral and Nye Counties. The project area calls for fifteen production wells (4,500'), five injection wells (2,000'), and ten observation wells (4,000'). Linda prepared the public notice, and is awaiting Scott Kessler's approval of the notice before publishing it in the Reno Gazette Journal and the Tonopah Times.
 28. Reviewed Terra-Gen Dixie Valley sundry request to install a new master valve on the wellhead of the 37-33 production well. Waiting on BLM approval.
 29. Reviewed Nevada Geothermal sundry notices with Sheila Mallory, BLM, to enlarge existing drilling sumps in Blue Mountain's Sections 14 and 22 (BLM leases), and to allow these sumps to remain open for a long period of time. The BLM is still reviewing their sundry requests for this matter.
 30. Worked on geothermal presentation for the Northwest Mining Association Conference in early December.
 31. Wells drilling: Ormat Nevada McGinness Hills 86-16 production well (2,292', drilling); Ormat Nevada McGinness Hills 58B-22(O) observation well (1,918', drilling); Sierra Geothermal Power Silver Peak TG 18-11 (500', rigging down).

OIL AND GAS (LOWELL)

1. Received BLM notification of approval for the Fasken Oil and Ranch Pappoose Canyon Federal No. 1-14 in southwestern Elko County. Doug approved the pending permit.

2. Reviewed Blackburn's sundry notice to put Well #10 on production, perforating a portion of the Devonian section and running production tubing. Waiting on BLM notification of approval.
3. Reviewed True Oil's permit application for the DY Federal 43-36. The proposed well will be located in Railroad Valley, Nye Co., with an estimated drill depth of 6,500 feet.
4. Reviewed Makoil's sundry request to P&A the Munson Ranch 7-12 well in the Trap Spring Field. Alan approved.
5. Reviewed Makoil's sundry request to re-perforate producing interval in the Trap Spring 2-27 well. Alan approved.
6. Wells drilling: Makoil Munson Ranch 7-12, Trap Spring Field, spudded on October 5th (4,057', total depth, plugged and abandoned).
7. Discussed the Grant Canyon #10 re-entry proposal with John Menghini. The well was plugged and abandoned in 1993. John would like for the re-entry be "re-permitted" due to the P&A status. Due to the way the NDOM database system is set up, NDOM will only require a sundry notice for the re-entry. Upon re-entry, the Devonian section will be perforated selectively and put on production.
8. Wells drilling: Makoil San Spring 15-41 is expected to spud on Sunday, November 1st. The well is permitted to 6,000 feet.
9. Attended the Nevada Petroleum Society meeting at Austin's in Reno on October 1st. Robert Bereskin discussed geologic controls on shale gas deposits.

OTHER (LOWELL)

1. Attended the Commission on Minerals 3rd quarter meeting at the Great Basin Science Sample and Records Library in Reno on October 21, 2009.