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**ALAN R. COYNER**  
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**ACTIVITY AND ACHIEVEMENTS**  
October 2008

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**ADMINISTRATION (ALAN)**

1. Attended the welcoming reception and manned the booth for three days at the Geothermal Resources Council annual meeting. Over 1,000 people attended the event indicative of the growth in interest in geothermal development. Lowell Price, the new NDOM OGG Program Manager was able to attend the meeting and make many valuable contacts with the geothermal industry.
2. Facilitated the Colorado Geothermal Trade Mission. Commissioner Snow attended, along with Energy Office director, Hatice Gecol. Doug, Lowell, Mike, and George assisted with vehicle transportation and meeting logistics. Approximately 25 people from Colorado attended two days of talks and field trips.
3. Participated in an interview with the Mother Earth News concerning mining law reform.
4. Coordinated with BLM-NSO on the investigation of TriStar Gold, a questionable exploration project near Mesquite.
5. Met with G. Johnson, M. Meier, and C. Ross of the BLM and M. Visher of NDOM concerning the AML backfill program.
6. Continued facilitation of the mining claim fee increase. Requested an informal AG opinion, met with Josh Hicks, Chris Nielsen, and Jodi Stephens of the Governor's office to brief them on the work program for the payment to UNR/Mackay, responded to an LCB request concerning a legislative inquiry into the fee increase, and spoke with the Governor concerning the fee increase.
7. Discussed a shared oil and gas and geothermal field inspector position with BLM.
8. Attended a Nevada Geothermal Council meeting concerning sage grouse.
9. Attended with Commissioners Gibson, Mudge, and Parratt the Mackay School Executive Advisory Board meeting in Reno.
10. Attended the SME monthly meeting in Sparks.
11. Met with Lowell Price in his first week of work and introduced him to office staff.
12. Attended the RETAAC II meeting in Carson City.
13. George and I presented AML and Minerals and their Uses to 8 classes of second graders at Bordewich-Bray (8 presentations – 200 people).

**RECLAMATION BOND POOL (DOUG)**

1. Issued notice level bonds for TUAX, AuEx, Inc., Union Summit Minerals, and Western Lithium. Issued 2 notice level bonds, figured out 6 partial releases and 1 total release for Bravo Alaska. Bravo Alaska doesn't want the refund paid to them, but applied to future bonding they will need soon.
2. Initiated bond release and refunds for Galway Resources, Victoria Resources and Centerra Gold (US) Inc.
3. Initiated bond reductions for Redstar Gold and Silverthorne Exploration.

4. Spoke with Alan Berry of Paradise Peak LLC about obtaining a notice level bond and received the deposit and premium from Paradise Peak LLC (to be issued 11-25-08).

#### **MINING, LAND AND OTHER ISSUES (DOUG)**

1. Approved sundry permit 404 for AMOR Soda Lake subject to certain conditions.
2. Resolved some mineral production figures with the USGS.
3. Gave 3 presentations at Gardnerville Elementary School's career days. I talked about what a geologist does. (3 presentations - 59 kids total, all 4<sup>th</sup> grade)
4. Worked on fixing the map legend in the Major Mines booklets.
5. Spoke with Peter Jenson of DETR (Department of Employment, Rehabilitation and Training) about current mining employment and future projections.
6. Submitted 3 work programs to Budget office regarding the \$2/claim filing funding for Mackay, funding for the Tonopah Historic Mining Park, and for AML enhancement. All 3 have been placed on the agenda for the November 20, 2008 IFC meeting.
7. Submitted the Interlocal Contract between CMR and Mackay for BOE approval, expected December 9, 2008.
8. Assisted with the Colorado Geothermal Trade Mission. Drove a van, helped with supplies, and attended talks.
9. Responded to two New York attorneys about a company called Nekekim, who supposedly has a mineral deposit worth billions in eastern Nye County.

#### **AML / PUBLIC AWARENESS - NORTH (MIKE)**

1. Geotemps, Inc. contractors John Morley and Ken Wilson began working on AML related projects. They assisted Paul and I with the installation of bat exclusion material at three hazards proposed for backfill in Washoe County, removed fence material immediately prior to backfilling, and logged 10 hazards and 51 non-hazards in Washoe County. Following their work in Washoe County, they headed down to Esmeralda County to secure 11 or more orphan hazards near Cuprite, including the site of August's AML incident, previously reported by Bill. The \$50,000 contract will allow them to work for approximately three months. They will be working 10-day shifts with field work planned for Lyon, Esmeralda, Eureka, White Pine and Washoe counties.
2. Five abandoned mine hazards were backfilled in Washoe County using a D5 dozer rented from Coan Equipment and transportation by SRT. Paul operated the dozer. Archaeological clearance, oversight and documentation were provided by Liz Lane (BLM-CC). Chris Ross (BLM-NSO) and I supervised the backfill operations.
3. While en route from a backfilled shaft near Cold Springs to the next hazard, a small fire was started by the dozer's tracks as it navigated over several granitic boulders. Fortunately, the fire occurred between two jeep trails and was quickly contained and put out by backfill personnel using the dozer and shovels. A Reno Fire Department tanker truck, from the nearby Cold Springs station responding to reported smoke, sprayed water over the burned area, approximately 12' by 18'. Due to the incident, Chris Ross terminated the backfill project for the day; only two additional hazards (both ranked as minimal) were planned. Because the fire occurred on BLM-managed lands, a BLM fire crew arrived shortly thereafter and filed a fire incident report; officially termed the White Lake Incident. This incident is a sober reminder of the fire danger associated with our backfill projects and will force the implementation of new operating procedures to minimize this risk and increase our response.

4. The BLM Nevada State Office has requested a meeting on October 10<sup>th</sup> to review possible amendments to the existing cooperative agreement between the BLM and NDOM in order to improve communication between NDOM's AML program manager and the BLM's AML Lead.
5. At the request of NDOW and State Purchasing, the State's RFP for bat gate construction and installation was reviewed and comments provided.
6. An updated spreadsheet on orphaned hazards in the Ellsworth and Berlin areas was forwarded to Jason Williams (NDOW) and Ken Maas (USFS). Jason will be working with contractor Rick Sherwin and associates to perform biological habitat assessment and internal bat surveys on nearly 100 abandoned mine hazards located on State Park and USFS-managed lands. Data obtained from these surveys will be used to coordinate potential long-term closure solutions, e.g. backfill, foam or bat gate.
7. A tour of logged AML hazards on Peavine Mountain, northwest of Reno, was provided to Ken Maas and Jenny Haggard (USFS). Ten hazards were assessed for permanent closure methods. The FS will likely propose the backfilling of two hazards, the gating of four others, and the use of polyurethane foam for the closure of four more. Ken has the materials and personnel to complete the work this fall if approved. NDOW may provide logistical and personnel assistance. Copies of inventory sheets and photographs were left with Ken. GIS shapefiles of NDOM's hazard and non-hazard inventory work on Peavine were sent to Jenny for inclusion in her archaeological clearance report.
8. Communicated with Katie Miller, the new NDOW Eastern Region Mining Biologist, regarding the AML program and the current and proposed gating work by NDOW. Copies of our AML database and field data forms were sent.
9. Reviewed contractors' recent work in Esmeralda County. 14 hazards were secured, five new hazards and five non-hazards were logged.
10. Hazard notification letters were sent to Robinson Nevada Mining Company (White Pine) and McIntosh Family Trust (Washoe) alerting them to dangerous conditions on their private property.
11. Garmin technical support was contacted after two GPS units failed to acquire satellites. A procedure to remove corrupted satellite data was provided and resolved the issue. The text on this fix will be included in all the GPS cases should the problem arise again.
12. Reviewed spreadsheet and maps of Ellsworth/Ione/Berlin area orphan hazards as part of NDOW's biological pre-closure survey plans with Dr. Rick Sherwin later this month. Updates will be sent to Jason Williams (NDOW).
13. Communicated with Greg Smith, Administrator for the Operating Engineers Apprenticeship Program in Wadsworth, regarding their continued pledge of assistance for the Painted Rock backfills. As soon as some apprentices show up for training later in October they'll be ready to perform the dirt work as planned.
14. AML fieldwork plans for the Geotemps contractors in White Pine County were developed for the next few weeks, including updated land ownership and orthophoto maps.
15. Communicated with Jason Williams (NDOW-Ely) regarding pre-closure bat surveys to be conducted by Dr. Rick Sherwin and associates at AML sites near Austin and Berlin over the next weekend. Updated orthophoto maps, detailing hazard locations and access, were sent to him to assist in their fieldwork.
16. Traveled, with Paul, to Pah Rah Range northwest of Wadsworth to review recently logged hazards and assess their potential for future scout projects. Logged one new

hazard and 11 non-hazards. One suitable cluster of five hazards was identified for use as a scout project. Scout Andrew Stempke was notified via email.

17. A meeting to discuss the AML backfill program and communication issues was held with BLM Deputy State Director Gary Johnson, Assistant Deputy State Director Mel Meier, AML Program Lead Chris Ross, Alan Coyner and Mike Visher. The BLM expressed their concern regarding the recent fire and a perceived lack of communication between the two AML Program Leads and proposed additional language to the current Assistance Agreement. NDOM proposed that the BLM AML Lead should be the sole manager of the backfill program on BLM-managed public lands. The BLM agreed with the proposal and will now coordinate all backfill efforts. NDOM will assist with data support, site prioritization and logistics, on an as-requested basis.
18. Attended the ESRI Technology Showcase in Reno. New features of ArcGIS version 9.3 were demonstrated and show promise for assisting NDOM offices to communicate AML database information with workers in the field and other agencies.
19. Ken Maas (USFS) submitted data and photographs documenting the closures of 36 hazards on FS-managed lands throughout Nevada. Closures were done using either bat-compatible gates or polyurethane foam (PUF). The work was performed by a special FS crew from Idaho.
20. "Stay Out, Stay Alive" outreach materials (stickers, magnets, etc.) were provided to Sue Hawkins (Newmont) for distribution to approximately 300 4<sup>th</sup> graders in Winnemucca as part of their "Gold Fever" education event.
21. A 62-year old California man was fatally injured Saturday, October 18<sup>th</sup> while exploring underground workings with three friends at the abandoned Ludwig Mine, west of Yerington in Lyon County. The man died from blunt force trauma to the head when he fell approximately 60 feet down a timbered winze, located about 200' below the surface. Personnel from the Lyon County Sheriff's Department, Lyon County Emergency Management, Mason Valley Fire Department, Washoe County Search and Rescue and the State Mine Inspector's Office responded and assisted with the extrication of the body. The incident occurred on patented mining claims owned by The Art Wilson Company. Art Wilson was notified by the Sheriff's Department and was on scene during a portion of the recovery process. A site assessment was conducted on Monday the 20<sup>th</sup>. The explorers gained access to the UG workings through adit LY-8. A barbed wire barricade had been constructed (in 1999) to prevent access to 3 adjacent shafts, in addition to LY-8, but emergency workers removed part of the fence to gain safe access and it is unclear what condition the barricade was in prior to the incident. Only one faded warning sign was found on a post uphill from the hazards. Other barbed wire barricades were found to be intact, constructed on the downhill side of eight nearby hazards (open stopes and inclined shafts). New signage and barbed wire enclosure construction was recommended for several sites and workers began securing work later that week.
22. Received a request from Jon Anderson (hydrogeologist, Lumos and Associates) for AML assessment of patented mining claim in west Carson City. Research was conducted to ascertain the location, extent of mining and history of the property.
23. Geotemps contractors completed their second work hitch, securing six hazards, and logging 13 hazards and 68 non-hazards in White Pine County.
24. Ken Maas (USFS) received the go-ahead for closures of AML sites on Peavine Mountain and is looking to perform backfill, PUF and gating work in November with some assistance from NDOM.

25. Performed AML assessment of patented mining claim (Athens Lode – MS-37) in west Carson City with Jon Anderson (Lumos and Assoc.) and Ann Bollinger (Carson City Parks and Recreation). No abandoned mine hazards were found, but 19 non-hazard mine features were inventoried on and around the patent. A summary report and spreadsheet will be provided to both parties.
26. Coordinated with Ken Maas (USFS) regarding prospective PUF closures and backfills on Peavine Mountain next week.
27. Spoke with Berlin-Ichthyosaur State Park employees regarding upcoming biological surveys planned by NDOW for AML hazards in and around the park, and implications for permanent closure options.
28. Worked with State Vendor Services to resolve incorrect direct deposit payment to Coan Equipment for rental and transport of D5 dozer for backfills last month. Final edits were made to the 2007 AML report. Printing preparations will be made by Debbie Selig and then it will be sent to State Printing and, following the acceptance of the proof, 1,200 copies will be ordered.
29. Provided a CD containing electronic files of the mining photos used in Major Mines 2007 to Gary Johnson (BLM-NSO).
30. 16 children and three adults at Bernice Mathews Elementary School, Sparks (CSA Head Start) were given a Rocks/Minerals/AML presentation. (1 presentation – 19 people)
31. Two “Paste With A Taste” minerals activities were taught, by Paul and I, to 61 2<sup>nd</sup> graders and five teachers at Miguel Sepulveda Elementary School, Sparks. (Two presentations – 65 people)
32. The “Paste With A Taste” minerals education activity was taught to 19 2<sup>nd</sup> grade students and four adults at Miguel Sepulveda Elementary School in Sparks. (One presentation – 23 people)
33. Rocks/Minerals/AML presentations were provided to four classes of 4<sup>th</sup> graders at Seeliger Elementary School in Carson City. (4 presentations – 104 people)
34. Assisted administrator and staff with transportation and logistics at the Colorado Geothermal Working Group – Nevada Trade Mission.
35. Taught “Paste with a Taste” activity to 21 2<sup>nd</sup> graders and three adults at Miguel Sepulveda Elementary School, Sparks. (1 presentation – 24 people)
36. Provided Rocks/Minerals/AML presentations to three classes at CSA Head Start – Smithridge Elementary School, Reno. Received request for two more presentations next week at same school. (3 presentations – 59 people)
37. Linda and Wanda made five rock and mineral presentations to 110 1<sup>st</sup>-graders at Cottonwood Elementary School, Fernley. (5 presentations – 115 people)

#### **AML / GIS (PAUL)**

1. Mike Visher, John Morley with Geotemps, Ken Wilson with Geotemps, and I installed bat exclusion netting on hazards with potential bat habitat scheduled for backfill in the Lemon Valley and Cold Springs areas.
2. Operated a D5 dozer rented by NDOM from Coan Equipment for backfill projects in Lemon Valley and Cold Springs. Five hazards were backfilled, three in Lemon Valley and two in Cold Springs. While walking the dozer between hazards a fire was started from the tracks sparking on granite rocks. Mike Visher and Liz Lane with the BLM spotted the smoke immediately and the fire was quickly extinguished using the dozer and shovels.

3. Drew in section lines in unsurveyed areas on topo maps for areas to be worked in by the Geotemp contractors.
4. Collected paperwork and maps from the Geotemp contractors for field work done north of Wadsworth.
5. Helped Mike Visher go over the maps and line out the Geotemp contractors for work to be done on the Ralston topo south of Goldfields Nevada.
6. Used ArcGIS to help Linda Wells with some research on drilling activity in the Buffalo Valley area. Made a page sized map of the area and printed the map out for Linda's files.
7. Worked on matching photos and ID numbers for hazards Terry Howard of TNT Ventures secured on his claims. Mr. Howard also sent in coordinates and photos of two new hazards he found on his claims. Printed copies of the hazard ID sheets and copies of the photos to be taken out and investigated on a day trip to the area of Mr. Howards claims.
8. Received photos from J.T. Williams of work done to secure hazards 2.5 miles southwest of Week Heights, Nevada. Worked on matching photos sent in by J.T. Williams with photos of hazards in our database.
9. Collected maps and paperwork from the Geotemp contractors of work done in the field north of Wadsworth. Totaled up the work done and proofed the paperwork for errors.
10. Worked on maps of the hazards in and around the Berlin-Ichthyosaur State Park to be sent to Jason Williams of NDOW.
11. Worked on the photo database labeling photos and correcting errors, and hazard ID sheets.
12. Made shapefiles of the hazards in the Peavine area west of Reno and sent them to Ken Maas of the USFS.
13. Mr. Ron Ott and his two nephews visited the NDOM office in Carson City to find out about some mines in the area of Mr. Ott's home in Minden. Mr. Ott told us that the hazards were no longer secured and said that he would send us the coordinates of the hazards via e-mail. Mr. Ott's nephews were interested in any historical information on the mine that they could use in a report for school.
14. Worked on land research and maps of hazards in Douglas County. The hazards in question were reported to be no longer secured by a resident in the immediate area.
15. Created maps of the Ellsworth area and printed copies of the maps to be sent to Jason Williams of NDOW for bat surveys and potential bat closures.
16. Copied files from the terabyte drive on my computer to the new terabyte drive for the GIS computer.
17. Lined out Geotemp contractors on field work to do in White Pine County during their ten day rotation. Supplied the Geotemp contractors with fencing supplies out of the storage unit in Carson City to be used for securing work in White Pine County.
18. Received a call from Tracy Kipke of NDOW. Tracy asked if I would make a page sized map of hazards in the Jefferson Canyon area that NDOW is inspecting for bat habitat and possible permanent closure with bat gates. I used ArcGIS to construct a topographic map showing the location of those hazards.
19. Ken Maas with the USFS had some questions concerning the maps I had make for Tracy and requested copies of the hazard ID sheets for the hazards on the map. I photocopied the hazard ID sheets and mailed them to Ken Maas.
20. Mike Visher and I traveled to the area north of Wadsworth to research potential Eagle Scout projects.

21. Contacted Eli Bagley and discussed the Eagle Scout fencing project scheduled for Saturday October 4<sup>th</sup>. After talking with Eli, it was decided to postpone and reschedule the project due to the weather forecast for Saturday.
22. Mike Visher and I attended an ESRI GIS workshop at the Silver Legacy in Reno.
23. Mike Visher and I did two Paste with a Taste presentations for second graders at Miguel Sepulveda Elementary in Sparks Nevada.
24. Gave two minerals presentations at Pleasant Valley Elementary for Sherrie Baker's sixth grade classes (2 presentations - 25 students).

#### **AML / PUBLIC AWARENESS - SOUTH (BILL)**

1. Conducted a reconnaissance visit to Brennan Marshall's Eagle Scout project area southwest of Jean – Clark County.
2. Met with McCaw School of Mines Foundation board member Gerri Schroder to develop contents for a promotional packet for fund-raising.
3. Conducted Clark County AML claim research.
4. Las Vegas office staff prepared materials for Spring Mountain Ranch State Park Pioneer Days celebration to be held Saturday October 4.
5. Assisted with the McCaw School of Mines teacher in-service. A total of 62 Clark County teachers attended. The in-service is required for all teachers planning to bring their students on a tour. "Stay Out and Stay Alive" materials were given to all attendees.
6. Participated in the Spring Mountain Ranch State Park Pioneer Days. "Stay Out and Stay Alive" materials were provided (one presentation – 150 people).
7. Met with McCaw School of Mines Foundation Board member Gerri Schroder to review contents for a promotional packet for fund-raising and compile a list of local businesses to contact.
8. Utility construction delays at the McCaw School of Mines and the new Gordon McCaw Elementary School have resulted in cancellation of student tours through the end of October and the Nevada Day Open House on October 31.
9. Las Vegas staff worked on PowerPoint presentations for the NAAML P Conference (Oct. 26-29) and the Barstow, California BLM FAST workshop (November 6).
10. Work continued on Clark County AML land status research.
11. Conducted a reconnaissance site visit to Brennan Marshall's (#104) Eagle Scout project area near Nelson, Clark County.
12. Materials prepped for Old Mormon Fort State Park Nevada History Day for Children presentation (October 11).
13. Participated in the Old Las Vegas Mormon Fort State Park "Hands-On History for Children" program. 30 children, parents and grandparents attended. Activities included "Birdseed Mining", "Cookie Mining", Minerals and their Uses, "Kids in a Mining Camp" and AML. "Stay Out and Stay Alive" materials were provided.
14. Met with BLM AML program lead Chris Ross to educate him on the mining claim research process. AML sites were researched at the Clark County Surveyors Office and through on-line record searches using the Clark County Assessor and Recorder web sites, LR 2000 and BLM Nevada Land Records search form.
15. Chaired a McCaw School of Mines Foundation Board meeting. It will be two years on January 26, 2009 that Chief-SNO became "interim" co-chairman of the Foundation. A request for election of new officers was made by Chief-SNO and nominations are to be submitted for the positions of chairman and vice-chairman by the December 12, 2008 Board meeting.

16. Worked on PowerPoint presentations for the NAAML P Conference (Oct. 26-29) and the Barstow, California BLM FAST workshop (November 6).
17. Participated in the Henderson National Trail Days event at the Henderson Civic Center. Approximately 250 people visited the Division display for information on AML and Division programs. "Stay Out and Stay Alive" materials were provided.
18. Las Vegas office staff attended a Nevada Mining Association Education committee in Reno. The meeting centered on planning for the 2009 Las Vegas Earth Science Workshop to be held on April 6-8, 2009 at Cheyenne high School.
19. Presented minerals and their uses, AML and "Paste with a Taste" for the 7<sup>th</sup> grade science class at Omar Haikal Islamic Academy, Las Vegas (1 presentation - 9 students).
20. Attended the NAAML P annual conference in Durango, Colorado. Made a presentation on Nevada's AML program during a BLM FAST panel discussion attended a variety of workshop sessions and participated in the NAAML P business meeting. Toured the impressive Mesa Verde Native American ruins during a guided field trip.

#### **GEOHERMAL (LOWELL, ALAN, LINDA)**

1. Responded to the Hawthorne Army Depot concerning the drilling of a geothermal well and whether permits are needed. Talked to Connie at Hawthorne Army Depot regarding the drilling of an observation well. Gave her division's web site and forwarded to Alan.
2. Signed sundry notices for Enel Salt Wells to install pumps on 4 wells.
3. Discussed a shallow injection program for NGP Blue Mountain with Bill Rickard.
4. Sundry Notice from Nevada Geothermal Power requesting a change of location for their 88-15 well to the 57-15 location reviewed and approved. This Sundry Notice also included a change in the drilling program to make the well a shallow injection well.
5. Reviewed and approved two well permits for Ormat Nevada, Inc., JVP 13-34 and JVP 77-28 in Jersey Valley, south of Battle Mountain.
6. Permitted Ormat's Buffalo Valley 72-23 observation well.
7. Ormat spud the 84-31 well on 9/15/08 at Carson Lake.
8. Ormat Nevada JVP 14-27 (Jersey Valley), south of Battle Mountain, Sundry Notice to deepen well and 9.625" liner – approved
9. Reviewed and approved Ormat Nevada's Desert Peak 21-27 production well. This location is on a private lease.
10. Talked to Donna Stammers regarding USG's 68-9 well – rigged up mud pump – getting ready to spud. Spud well on 9/15/08 with Trinity Drilling Rig 1.
11. Reviewed Gerlach Geothermal LLC well permit request for their 68A-3 in northern Washoe County. This permit has been put on hold until they supply the State and BLM a surety bond. Otherwise, this well is ready for approval.
12. Talked to Donna Stammers regarding the Gerlach Geothermal's 68A-3 well – still need organization chart and BLM bond information before approving.
13. Vulcan spudded the 56A-14 well on 9/9/08.
14. Reviewed Vulcan Power's revamped Sundry notice to deepening and deviating the 62-15 well in the Carson Lake area, east of Fallon. Continuing well bore engineering problems. Vulcan Power was informed of engineering problems. Vulcan Power reviewed and resubmitted the Sundry Notice on the 22<sup>nd</sup>. Both the BLM and the State approved Vulcan Power's changes.
15. Permitted the Patua Project Area Permit (Vulcan)
16. Vulcan completed the 56A-14 geothermal well.

17. Vulcan Power 62-15, Carson Lake area east of Fallon, Sundry notice to deepen and directionally drill well to the east. There were engineering mistakes within the Sundry Notice. Vulcan Power was notified by John Mengheni, BLM, and myself of the problems. Vulcan Power was told to correct the engineering problems over the weekend and resubmit a Sundry Notice for the changes the following Monday, October 20<sup>th</sup>.
18. Reviewed Vulcan Power's 21A-19, Patua Project Area, change to a 3,000 pound double ram BOP, rather than an annular BOP that was unavailable for rental.
19. Sent out Legal Notice for Sierra Geothermal's project area application at Silver Peak.
20. Reviewed and approved Sierra Geothermal Power's well permit for their Silver Peak 18-11 observation well. Also reviewed and approved their Silver Peak Project Area Permit.
21. Reviewed EIF's notification of foreclosure on TG Power's wells at Sulphur Hot Springs near Elko. Notified the state that Ram Power will be winterizing the wells, supplied well numbers.
22. Supplied Joan Hulbert of Sparks, NV, a list of the geothermal operators in the State, in reference to her wanting to lease ten acres of land she holds near Wabuska.
23. Attended the Colorado Geothermal Trade Mission meetings at UNR's Redfield Campus on the 21<sup>st</sup> and the 22<sup>nd</sup>. Toured Ormat Nevada's Galena 3power plant on the afternoon of the 21<sup>st</sup>. Attended the Colorado Geothermal Trade Mission dinner at the Santa Fe on the evening of the 21<sup>st</sup>.
24. Reviewed and approved Dav Kel, Inc., St. George, Utah, permit for heat exchange bore holes in Clark County.
25. Wells drilling: Ormat Nevada Carson Lake 84-31 (2684'); Ormat Nevada Jersey Valley JVP 14-27 (6,000', TD); Ormat Nevada Buffalo Valley 72-73 (1693'); Nevada Geothermal Power Blue Mountain 89-11 (510', spud 10/9/2008); Nevada Geothermal Power Blue Mountain 58A-15 (267', spud 10/15/2008); Vulcan Power Carson Lake 62-15 (1181').
26. Wells drilling: Ormat Nevada Carson Lake 84-31 (3728'); Nevada Geothermal Power Blue Mountain 89-11 (2,024'); Nevada Geothermal Power Blue Mountain 58A-15 (1050'); Vulcan Power Carson Lake 62-15 (2815'); Vulcan Power Carson Lake 58A-9 (305').
27. Wells drilling: Ormat Nevada Carson Lake 84-31 (3998'); Nevada Geothermal Power Blue Mountain 89-11 (2,546'); Nevada Geothermal Power Blue Mountain 58A-15 (1387'); Vulcan Power Carson Lake 62-15 (4467'); Vulcan Power Carson Lake 58A-9 (384', rigging down due water flow, may attempt to utilize as a water well).
28. Other wells: Vulcan Power Carson Lake 58A-9 (Rigging up/preparing to spud).
29. Other wells: Ormat Nevada Buffalo Valley 72-73 (running temperature gradient tests, 1989' TD); Ormat Nevada Jersey Valley JVP 14-27 (6,000', TD, rigging down after flow tests).
  - a. Vulcan Power – two Sundry Notices (Carson Lake Basin Project)
  - b. Ormat Nevada – one Sundry Notice (Jersey Valley)
30. Other wells: Ormat Nevada Buffalo Valley 72-73 (running temperature gradient tests, 1989' TD).
31. Sundry Notices: Seven Sundry Notices were approved, coordinated with John Menghini, BLM, when necessary.
  - a. USG Nevada LLC – One Sundry Notice (San Emidio Desert)
  - b. Brady Power Partners – One Sundry Notice (Brady Hot Springs KGRA)
  - c. Nevada Geothermal Power - Four Sundry Notices (Blue Mountain)
  - d. Terra-Gen Dixie Valley – One Sundry Notice (Dixie Valley)

32. Sundry Notices: Three Sundry Notices were approved and coordinated with John Menghini at the BLM.
33. Two well permits approved: Vulcan Power (Patua Project Area), Ormat Nevada (Desert Peak).
34. I travelled to the Fallon area on Friday, October 24<sup>th</sup>. Met with Greg Davison and Gary Wick from Enel North America. Greg Davison was currently supervising the installation of a down hole pump for Enel's PW-3 production well within their Salt Wells acreage. Greg explained the entire process to me while I was there. Gary Wick, Enel's Construction Manager, gave me a tour of the 13 MW Salt Wells Plant that Enel North America is currently constructing. The tour was detailed and quite informative. I travelled on to Vulcan Power's two production wells being drilled to the west of Enel's acreage, Carson Lake 62-15 and Carson Lake 58A-9. I met with the toolpusher and mud logger at the 62-15 location and with the mud logger at the 58A-9 location, could not locate toolpusher on site. I travelled further west to where Ormat Nevada is drilling their Carson Lake 84-31 production well. I met with Gary Polk, Company Man, and Lee Wiess, mud logger, while at this location. My final stop was at Vulcan Power's Fallon office, where I met with Ken Bonin. I discussed with Ken the necessity of providing both the State and BLM accurate information when submitting Sundry Notices and well permits, for this would be to everyone's advantage.
35. Responded to Matt Miller of Reno, Nevada, who requested information to drill heat exchange pump bore holes. Forms were emailed to Mr. Miller.
36. Provided Mark Miller, with ThermoSource of Santa Rosa, CA, API number for NGP 58A-15 well.
37. Updated geothermal and oil/gas data bases for spud and completion dates, as well as current status.
38. Updated activity map for newly permitted wells and current wells being drilled.
39. Attended the Nevada Geothermal Council meeting on October 30<sup>th</sup>. Sage Grouse habitat was the primary topic discussed, with range fire being the greatest threat to the sage grouse habitat in Nevada.
40. Talked with Andrew Egbert of Homestretch Energy. Informed Mr. Egbert to send in a Sundry Notice for rework operations on the PW-1 well, used air from drill rig to blow water from the well, but had not flow tested the well yet. The PW-1 well is located in the Wabuska area.

#### **OIL AND GAS (LOWELL, ALAN, LINDA)**

1. Permitted EOG's Sugarloaf 1-17 oil well in White Pine County.
2. Reviewed EOG's Sugarloaf 1-17 Sundry Notice for changes in hole and casing sizes. Gave EOG verbal approval to set conductor over the weekend while waiting on BLM's final approval. John Menghini gave EOG the same verbal approval. True Rig #32 is supposed to move onto location November 13<sup>th</sup>.
3. Talked with Mark Degenhart, Petroleum Engineer, of St. Mary Land & Exploration in Denver, CO. Mr. Degenhart was asking very specific questions pertaining to Nevada's tax statutes on oil production. I referred Mr. Degenhart to the Nevada Department of Taxation for answers, and emailed him the links for both NRS 522 and NAC 522.
4. Granted Radio 6-31a temporary abandonment extension for 1 year.
5. Reviewed and approved the Charter Oak Ruby Valley No. 1 Well Permit. This well will be located in Elko County.
6. Reviewed and approved the Makoil Munson Ranch 7-12 Well Permit. This well will be located in Nye County.

7. One Sundry Notice was approved for the Richardson Operating Company's RR Valley Federal #1 well, change in BOP, cementing, and casing program. Change was coordinated with John Menghini at the BLM.
8. Looked up oil wells drilled in Lincoln County for Bob Ballou, geological consultant from Roosevelt, Utah. Mr. Ballou was informed what was available through the Division of Minerals. Mr. Ballou was also referred to the Nevada Bureau of Mines and Geology for further information.
9. Sundry Notice was approved and coordinated with John Menghini at the BLM for Blackburn Oil & Gas, LLC (Blackburn Unit – Railroad Valley).
10. Sundry Notice was partially approved and coordinated with John Menghini at the BLM; EOG – (Sugarloaf – Jakes Valley, NW of Ely).

#### **OTHER**

1. Lowell - I began work as the Oil, Gas, and Geothermal Programs Manager for the Commission on Minerals, Division of Minerals, on October 13, 2008. I spent the first day in this position settling into the office and reviewing the NRS 522 statutes and the NAC 522 regulations, followed by reviewing the NRS 534A statutes and NAC 534A regulations on October 14<sup>th</sup>.
2. Lowell - Well Permitting and Sundry Notice work performed by Lowell Price and Linda Wells as a team effort.