



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 2010

ADMINISTRATION (ALAN)

1. Completed the agenda and meeting logistics for the NAMLET meeting on November 3.
2. Assisted Steve Jenkins, California AML lead concerning the Nevada statutes that govern the NDOM AML program. Also discussed the outcome of the planning for the fall 2011 NAAMLPLP annual meeting.
3. Responded to a request for a meeting with mining officials from Longnan County, Jiangxi Province, China during their tour of the Nevada mining industry.
4. Discussed the report of flowing geothermal fluid at Stillwater with Commissioner Snow and Lowell Price, and responded to an inquiry from Brad Goetsch, Churchill County Manager concerning the flowing geothermal fluid from abandoned wells at Stillwater.
5. Assisted Lowell Price and Commissioner Snow concerning a request to sidetrack Well 76-14 at TerraGen's Coyote Canyon geothermal property.
6. Discussed the Nevada Geothermal Power E-Log Waiver report with Lowell Price.
7. Attended a geothermal meeting at the BLM with Commissioner Snow, Lowell Price, and BLM representatives.
8. Confirmed NDOM will participate in Geothermal Day at the 2011 Legislative Session.
9. Attended, with Commissioner Snow and Lowell Price, the annual meeting of the Geothermal Resources Council in Sacramento, CA.
10. Agreed to speak before the Association of Engineering Geologists in January concerning geothermal activity in Nevada.
11. Responded to LCB concerning an estimate of the funds collected by the new additional mining claim fee.
12. Responded to the Budget Office with adjustments to the NDOM budget for FY12/FY13.
13. Participated in the State Environmental Commission meeting in Carson City. Also attended a State Environmental Commission teleconference concerning the appeal of the Reid Gardner power plant permit by the Sierra Club.
14. Prepared final agenda and packets for the CMR meeting on October 19. Facilitated the CMR meeting in Reno.
15. Attended the UNR Mackay School Executive Advisory Board with Commissioners Mudge, Parratt, and Bryan.
16. Attended the UNR Alumnus of the Year with Commissioners Mudge, Snow, and Bryan.

RECLAMATION BOND POOL (DOUG)

1. Issued notice level bonds for WK Mining USA Ltd., New World Resources US Inc., Kenai Resources US Ltd., Cordex, Gold Summit Corporation, and Miranda.
2. Issued 4 notice level bonds for Renaissance Exploration Inc. and retired 4 bonds for AuEX Inc.
3. Processed bond reductions for Bravo Alaska, Western Energy Development Corp, and Pine Nut Mines LLC.

4. Reviewed bond application (incomplete) for \$605,000 for reclamation at the Lathrop Wells Mill. The project is reclamation only with no plans for mining or exploration, so the bond application was rejected.
5. Spoke with Spencer Apple of Southern Nevada Liteweight about his need to increase his bond. The additional deposit and premium amounts were calculated and provided to him.
6. Sent a history of deposit and premium payments made by TNT Ventures for their Big Canyon project to Bob Infantino.
7. Resolved the deposit and premium discrepancy Eric Scheetz at the controller's Office was concerned about.

MINING, LAND AND OTHER ISSUES (DOUG)

1. Finalized the Exploration Survey and sent it to State Printing.
2. Figured out the percentage of gold production from federal v. private lands. For 2009, about 32% of Nevada's gold was mined from federal lands.
3. Spoke with Hugh Ingle about an abandoned mine letter he had received from the BLM.
4. Worked on the AML contract for Peter Herrera (Hergon Mine Securing Solutions), including insurance requirements.
5. Spoke with Bob Nysten at the Nevada State Museum about the medallion royalties.
6. Reviewed annual status and production reports with Debbie Selig.
7. Sent mine information and to the unclaimed property division of the Treasurer's office.
8. Updated some mineral production figures for the Treasurer's Office.
9. Met with Art Wilson and Jeff Bixler (Mine Inspector) about X-ray testing of a pressure vessel at Art's gypsum mine/plant.
10. Provided contact information to a Canadian TV company interested in doing a documentary on underground mining.
11. Attended the CMR meeting in Reno.
12. Sent the text of Major Mines to Alan, Jon Price and D.D. LaPointe.

AML / PUBLIC AWARENESS - NORTH (MIKE)

1. Researched location and securing history of four AML sites proposed for hard closure near Carson City by BLM-CC. Two additional sites were visited to assess for possible inclusion to list. One new hazard and 12 non-hazards were logged in Carson City.
2. Assisted Steve Walmsky (State Water Resources) with research of location and closure history of Halifax shafts near Tonopah in Nye County.
3. Provided information and photos to ACOE on ten additional AML sites in Humboldt County for consideration of permanent closure.
4. Met with Brian Breiter (EPS) to discuss work plans for Elko and Nye counties.
5. Conducted additional ownership research at the request of BLM-Elko for potential hard closure of AML sites near Tuscarora.
6. Received new hazard information and photos from Katie Miller and Tracy Kipke (NDOW) and Nycole Burton (BLM) regarding AML sites in Lincoln, Nye and Elko counties. Sites were researched, assigned numbers and then added to database.
7. Performed QA/QC on AML database to make necessary updates to several queries needed for presentations and quarterly progress reports.
8. The statewide gating priority (GUANO) list was updated with new information and distributed to various state and federal agencies.
9. Nine AML adjacent to V&T railroad line in Lyon County sites were revisited with Rachel to review their current hazard assessment and securing status.

10. Assisted Ken Maas and Jason Ringenberg (FS) with bat grate and gate construction on three abandoned mine openings at the Burrus Mine site, a parcel owned by UNR.
11. Supervise and assist contractor (EPS) with installation of culvert gates at two AML sites in Washoe County.
12. Follow-up on State Mine Inspector's report of unsecured open pit at old Gold Bar Mine in Eureka County. Site and pit are readily accessible to the public, once locked gate is propped open and site can also be accessed from alternate routes. Logged >300'-deep pit as AML feature.
13. Secured eight and logged three hazards at Treasure Hill, plus 14 non- hazards near Illipah Reservoir, in White Pine County.
14. Investigated access by public to specific hazards near Mike Pasek's placer operation at Hogum.
15. Supplied before and after photos to NDOW of recent gating efforts for use in upcoming NAMLET presentations.
16. Met with Alan Day and Wright Parks (Lake Mountain Mining) to review public access issues near their Olinghouse operation. Toured adjacent mining claims with claimants Joe and John Tarantino and Scott Lewis to investigate actual claim locations, public safety hazards on their claims and address their mitigation. Numerous abandoned mine features remain to be logged in the district and Lake Mountain has offered to assist with logistics of their inventory.
17. Ely Fire Chief, Bill Ward, called to report six unsecured AML features near Ely. Several were fenced by NDOM in the past but are no longer secured; updates were made to the database to reflect this information. Additional information was provided on two other sites not previously logged. Mr. Ward will provide digital photos and GPS coordinates to assist us with their location and future securing.
18. Patented claim owner John Bernt called to clarify his position that an unsecured hazard in Elko County is not on his property. The location as plotted on our topo map, and as researched at the county assessor's office, indicates him as the owner, however he insists it is not on his property. A color copy of the initial logging photo was sent along with a letter indicating that pending a new site visit is made (not likely until next spring); the ownership and responsibility to secure the hazards will be listed in our database as "unknown".
19. Provided an AML presentation to the "High Desert Rockers" rock and mineral club in Carson City. (1 presentation – 80 people)
20. Provided "Stay Out, Stay Alive" presentations to three classes of third graders at Esther Bennett Elementary School, Reno. (3 presentations – 57 people)
21. Attended CMR meeting and presented quarterly update.

AML / GIS (RACHEL)

1. Continued work on hazards related to the V & T Rail Road. Downloaded Google Earth Pro trial version to compare differences between Google Earth and Google Earth Pro in displaying data and 3D movie making vs. recording tours. Added non hazards to the data set in question and looked at existing NV points in the area surrounding the V&T Rail Road that still need to be investigated.
2. Continued work on hazards related to the V & T Rail Road. Filed checked a handful of sites that had not been revisited since the time they were logged. Collected new UTM data and photos of these features. Logged some new non hazards in the area. Found two sites that had been secured since they were visited last and one new non hazard.

3. Worked on completing installation and set up of Capturx Software. Printing issues have been resolved as well as issues with running the software in Excel. Tested recording fictitious non hazard data with the pen and uploading it into the database. Wrote a macro for Excel so that recorded data could be uploaded correctly upon import to the Microsoft Access database. A method has been devised addressing import steps from the Capturx pen to Excel and eventually to the AML Database.
4. Activated Capturx pens and assigned them numbers in order to keep track of them while in use. "Migrated" pen pattern from one user to another in order to track available pages from one user rather than several different users.
5. Went over instructions on using the Capturx pen with contractor Brian Breiter who will be beta testing the pen in the field next week.
6. Designed a new form for re-visits using the Capturx software. Looked into the possibility of updating existing data into the database without manually changing it. After reviewing the re-visit data and the variables involved in importing this data into the database, it was decided that the process should continue to be done manually – there are too many other factors to take into consideration when dealing with re-visit data.
7. Spoke with Red Salisbury about securing features on his property and who to contact about backfilling hazards.
8. Spoke with Katie Miller of NDOW regarding hazards in White Pine County that may or may not have NDOW numbers. Found the hazard ID number and sent the data to Katie.
9. Received new information from Katie Miller regarding hazards in the Diamond Peak Range. Assigned new hazard ID numbers and completed hazard inventory forms.
10. Spoke with Brian of EPS regarding work being completed in Elko County and attempted to solve errors in data that was not plotting correctly.
11. Discussed the potential for an Eagle Scout project with Alice Christensen, whose son is interested in pursuing a project dealing with securing abandoned mine lands. Sent her home with some preliminary information.
12. Attended a web seminar on new features in Google Earth Pro. The seminar covered the major differences between the free version of Google Earth and Google Earth Pro.
13. Updated the database with new UTM data and photos collected.
14. Researched land status for hazards logged by NDOW in Nye County and sent the information to Katie Miller.
15. Assigned new numbers to hazards found in Elko County by Katie Miller.
16. Made up new hazard ID sheets for hazards logged by NDOW. Checked the new features with our current data and NAIP imagery to determine where and if these new features coincided with existing features. Plotted these features on our topographic maps.
17. Installed Google Earth and Capturx software on the laptop for use at the commission meeting and activated remaining Capturx pens.
18. Worked on determining why the Capturx software will not download data onto the laptop. Uninstalled all programs related to the software and reinstalled it in hopes of correcting this issue.
19. Compiled a list of hazards in the view shed of the Virginia and Truckee Railroad that have not been permanently secured with a hazard rank of moderate to high. The list was further broken down by land status and securing method. There are 21 total hazards with no land status recorded in the database. The land status will have to be researched for these features.

20. Received securing information from Robert Ostlund on securing work he completed of Osceola Marriott's Inc. Updated the database with new securing information and photos of secured features.
21. Spoke with Ted Erdman of Round Mountain regarding hazards in the Manhattan area. His question referenced a dangerous hazard he thought to be on a patented claim next to hazards owned by Round Mountain. The hazard was identified and looked up in the database and it was determined that it was owned by Kinross Gold. Round Mountain will be securing the feature.
22. Completed preliminary research on the land status of several of the features in the Virginia City area that were previously unknown. Fixed several features in the database that did not plot correctly in ArcMap.
23. Worked on fixing the problems with the Capturx pen and trying to make it run on the laptop. The pen appears to work fine on several other computers excluding the laptop.
24. Spoke with Deborah Selig about discrepancies between the Carson City photo database and the Las Vegas database. Also discusses potential dates to travel to Las Vegas to install Carpturx software and discuss the photo database.
25. Spoke several times with Ken Maas with the Forest Service regarding hazards in White Pine County that have not been logged by the Division. Researched these features to determine that they had no NDOM number associated with them and assigned new numbers for Ken Maas to use.
26. Wrote a thank you letter to a claimant who completed securing several features. He stated there were some hazards that we had declared him the owner of. He has determined that these features are just south of the claim in question. These features were plotted to determine land status. Our database has been updated to reflect these changes.
27. Spoke with Rick Walker – a contractor hired to work on AML features through Great Basin Gold – about hazards in the Aurora Area. He needs this information in order to begin investigating these features in hopes to aid the Division of Minerals in hazard logging and revisits in the area.
28. Viewed part of a webinar through ESRI regarding ArcGIS for iOS.
29. Attended a sexual harassment class for new state employees
30. Compiled a map showing AML work completed from July through October for the CMR Meeting.
31. Attended the CMR meeting at the Nevada Bureau of Mines at the DRI campus. Presented on the Capturx software and hazards related to the Virginia and Truckee Railroad.
32. Traveled to Cottonwood Elementary School in Fernley NV for Nevada Day presentations. 5 different presentations were given to classes of about 20 first graders on the importance of rocks and mining. After the short presentations, they were able to make pet rocks of their own (5 presentations – 100 people).

AML / PUBLIC AWARENESS - SOUTH (BILL)

1. Participated in monthly conference calls for progress on AML closure work in Lincoln and White Pine Counties and plans for closure work in northern Nevada. Additional funding under ARRA is being provided for the next round of closures in Clark County.
2. The BOR crew completed 4 bat gates and backfilled 22 hazards in Lincoln County between September 18 and October 3, 2010.
3. Investigated/ranked and fenced one hazard and logged 5 non-hazards at the north end of Fish Lake Valley, Esmeralda County.

4. Participated in a conference call for planning a new round of AML closures in Clark County using ARRA funding through BLM, US Army Corps of Engineers and employing the Bureau of Reclamation construction team.
5. Logged in two new hazards in Lincoln County investigated by NDOW staff.
6. Investigated and ranked two hazards and logged one non-hazard in Nye County.
7. Assembled materials for Matthew Popp's Eagle Scout scheduled for Sat., October 23.
8. Received a call from Boy Scout Cameron Rose regarding an AML securing project.
9. Completed Matthew Popp's Eagle Scout project – four mines secured southwest of Nelson, Clark County. This is the 115th completed Scout project.
10. Assisted in setting up new displays and activities at McCaw School of Mines. The 2010 tour season opens Tuesday, October 4.
11. Participated in a McCaw School of Mines Open House event.
12. Made a pitch for adult volunteers for the McCaw School of Mines at the Southern Nevada Chapter GSN meeting.
13. Participated in interviews of two candidates to replace McCaw School of Mines volunteer coordinator, Clark Abrams, whose resignation is effective October 18th.
14. Assisted with a McCaw School of Mines tour and worked on new displays.
15. Interviewed by KVBC Channel 3 (NBC) TV at the McCaw School of Mines on modern mine safety, AML and the McCaw Mine facility.
16. Attended the 50th anniversary celebration and open house for the architectural firm of Tate, Snyder and Kimsey, designers of the McCaw School of Mines.
17. Assisted at the annual McCaw School of Mines Nevada Day Open House attended by an estimated 400 visitors.
18. Collected basalt for teacher workshop rock kits from The Crater near Silver Peak, Esmeralda County.
19. Attended the CMR meeting in Reno.
20. Presented "Mineral Detective" for three K-1 grade level students for the Innovations International Charter School of Las Vegas "After School Program" (1 presentation – 3 people).
21. Taught "Minerals and Commodities" and "Animal, Vegetable or Mineral?" for 7 students in grade levels K-3 for the Innovations International Charter School of Las Vegas "After School" program (one presentation – 7 people).
22. Participated in Old Mormon Fort State Park Nevada History program including Nevada mining history, "Birdseed Mining" and AML for 6 participants (1 presentation – 6 people).
23. Henderson National Trail Days annual event at the Henderson Pavilion. Display set up with AML and Division handouts. Estimated 125 visitors. (1 presentation – 125 people)
24. Set up and manned Division display at the Pahrump Wild West Extravaganza.
25. Manned the Division display at Day 2 and 3 of the Pahrump Wild West Extravaganza. Estimate 350 visitors to booth (one presentation – 350 people).
26. Made a "Stake Your Claim" presentation to the Nye Gold Seekers prospectors club in Pahrump attended by 30 members (1 presentation – 30 people).
27. Made a Nevada Mining and AML presentation to the Southern Nevada chapter of GSN attended by 25 members (1 presentation – 25 people).
28. Presented 4 sessions "Minerals and Commodities" and AML to 109 K-2 students at the annual Griffith Elementary School Nevada Days Celebration – Las Vegas (4 presentations – 109 people).

29. Presented “Rocks and Geology” and “Making Volcanoes” for 6 students K-7 for the Innovations International Charter School of Las Vegas Afterschool Program (one presentation – 6 people).

GEOHERMAL (LOWELL)

1. Reviewed Nevada Geothermal Power’s sundry notice to extend the Blue Mountain 34-23 production well drilling permit. Alan approved.
2. Reviewed Nevada Geothermal Power’s sundry notice to move the Blue Mountain 73-22 injection well permitted location to 86A-22. Alan approved.
3. Reviewed Nevada Geothermal Power’s Blue Mountain 86A-22 permit application and associated drilling program. Proposed total depth is 6,000 feet. Alan approved.
4. Reviewed Nevada Geothermal Power’s Project Area application for Pumpnickel Valley, Humboldt County. The Project Area calls for 8 production wells, 9 injection wells, and 3 observation wells. Alan approved.
5. Reviewed TGP Dixie Development’s sundry notice to plug back and sidetrack the Coyote Canyon 76-14 observation well. Alan gave TGP a verbal approval.
6. Wells drilling: Ormat Jersey Valley 46-28 production well (4,680’, drilling); Ormat McGinness Hills 67-15 production well (1,693’, drilling); Ormat Dead Horse 68-1 production well (rigging up); Gradient Resources Patua 27-29 (4,177’, coring); Gradient Resources Patua 21-19 re-entry (9,594’, drilling); TGP Coyote Canyon 76-14 observation well (6,200’, waiting for approval to sidetrack).
7. Travelled to Fallon on Monday, September 27th, to investigate a geothermal surface leak in the Stillwater area, 3400 Freeman Lane. Found an abandoned well flowing at ~ 14gpm, according to Scott Bechard’s measurements, Enel geologist. Met with the renter occupying the farm house within 100 feet of the abandon well, where she told me a well was once located where the water was flowing out of the ground. Met with Dennis Rash, Stillwater Plant Manager, at the Freeman Lane site. Dennis told me that Ron Lawrence, local farmer, had confirmed there was a well at the location of the Freeman Lane geothermal leak. Discussed possible causes of the geothermal leak with Scott, where he indicated there may be a structure in the southern injection area allowing the charging of the shallow geothermal perched reservoir through migration of fluids from the lower geothermal reservoir Enel produces from/injects into. Met with Misha Stojicevic, Churchill County Engineering Manager, at the site. Listened to Misha’s explanation/speculation as to the possible cause of the geothermal leak, where he reiterated what Scott had previously told me. Went to the Portuguese abandoned well location, Portuguese Lane at Stillwater Road, with Misha. Discussed the upcoming plugging of this flowing well by the Paiute Shoshone Tribe and Enel with Misha. Met with Misha and Eleanor Lockwood, Churchill County Planning Director, at the Churchill County offices in Fallon. Discussed ongoing geothermal problems in the Stillwater area and what Churchill County expects from Enel North America.
8. Attended the Nevada Joint Military Affairs Committee meeting at the BLM State Office on Tuesday, September 28th. Base commanders discussed current renewable energy activities. Terry Knowles was elected the new Chairwoman of the committee. Met Andy Savin, oversees Coso, Hawthorne, and Fallon geothermal activities. Requested data for two geothermal wells drilled at the Hawthorne Army Depot. Andy arranged to have the data sent to NDOM through Mike Lazauro, co-worker of Andy’s. The data should be at NDOM in the near future.

9. Reviewed TGP sundry notice to plug back and sidetrack the Coyote Canyon 76-14 observation well. Alan approved. Alan had previously given a verbal approval.
10. Reviewed Nevada Geothermal Power's sundry notice to initiate a short term injection test in the Blue Mountain 38-14 production well. Doug approved.
11. Reviewed Ormat Nevada's sundry notice to drill a directional hole rather than originally approved vertical hole below the 9.625" casing in the McGinness Hills 67-15 production well, where the new hole number is 67(77)-15. Alan approved.
12. Reviewed Gradient Resources Patua 16-29 permit application and drilling program. Doug approved.
13. Began to review the BLM Administrative Draft of the Salt Wells EIS. The EIS effects Ormat Nevada, Gradient Resources, and NV Energy.
14. Wells drilling: Ormat Jersey Valley 46-28 production well (5,050', flow tests completed, beginning to rig down); Ormat McGinness Hills 67-15 production well (1,741', putting sand in hole); Ormat Dead Horse 68-1 production well (525', preparing to cement 20" casing); Gradient Resources Patua 27-29 (5,238', coring); Gradient Resources Patua 21-19 re-entry (9,596', flow tests completed, rigging down); TGP Coyote Canyon 76-14 ST1 observation well (5,814', drilling).
15. Reviewed the TGP 76A-14 observation well drilling permit application and drilling program. Proposed total depth is 10,000 feet. Alan approved.
16. Reviewed Ormat Nevada's HSS II's 65B (64)-8 production well drilling permit application and drilling program. Proposed total depth is 4,865 feet. Alan approved.
17. Reviewed Ormat Nevada's McGinness Hills 88-16 observation well drilling permit application and drilling program. Proposed total depth is 1,300 feet. Doug approved.
18. Reviewed Ormat Nevada's McGinness Hills 67-9 observation well drilling permit application and drilling program. Proposed total depth is 1,300 feet. Doug approved.
19. Review Enel North America's sundries to perform MIT tests on (1) Stillwater injection wells 24-7, 26-7, 34-7, 54-7, 63-7, 17-31, 21-31, and (2) Salt Wells injection well 64-36 (IW-1). Alan approved.
20. Reviewed Gerlach Geothermal's 18-10A production well permit application and drilling program. Proposed total depth is 700 feet. Alan approved.
21. Reviewed Magma Energy's Soda Lake TG 44A-34 permit application and drilling program. Proposed total depth is 1,000 feet. Alan approved.
22. Reviewed Magma Energy's sundry notice to run a TPS survey in the 41B-33 production well. Doug approved.
23. Reviewed Magma Energy's sundry notice to run a sinker bar in the 25A-33 production hole in order to establish depth of fill. Doug approved.
24. Reviewed Magma Energy's sundry notice to initiate a 30 day injection test in the 41-33 production well. Doug approved.
25. Wells drilling: Ormat McGinness Hills 67-15 production well (1,741', completed flow testing, will begin rigging down on 10/16/2010); Ormat Dead Horse 68-1 production well (1,004', drilling); Gradient Resources Patua 27-29 (5,847', coring); Gradient Resources Patua 16-29 (725', fishing); TGP Coyote Canyon 76-14 ST1 observation well (6,897', tripping out due to washout).
26. Reviewed the TGP 76-14 observation well sundry notice to reduce hole size from 12.25 inch to 8.5 inch. Ledge created would act as a buttress point if 9.625 inch casing is run. Doug approved.
27. Reviewed the TGP Coyote Canyon 88-15 observation well permit application and drilling program. Proposed total depth is 10,000 feet. Doug approved.

28. Review Enel North America's sundry notice to pull motor from the 62A-30 production well and repair or replace. Doug approved.
29. Reviewed Ormat Nevada's sundry notice to flow test the Tuscarora (HSS II) 65-8 production well. Geothermal fluids produced will be transferred to the 57-8 production well and injected. Doug approved.
30. Reviewed Nevada Geothermal Power's sundry notice to extend the existing drilling permits for the Blue Mountain 21-14 and 42-14 production wells. The permits are to expire on January 31, 2012. Doug approved.
31. Reviewed Magma Energy's Soda Lake TG58-27 and TG88-27 permit applications and drilling programs. Proposed total depth is 1,000 feet. Doug approved.
32. Reviewed Magma Energy's sundry notice to run a TPS survey in the Soda Lake 41-33 production well. Doug approved.
33. Wells drilling: Ormat McGinness Hills 67-15 production well (1,741', rigged down, moving rig); Ormat Dead Horse 68-1 production well (1,190', running 13.375" casing); Ormat HSS II 65B(64)-8 production well (rigging up); Gradient Resources Patua 27-29 (6,298', coring); Gradient Resources Patua 16-29 (1,020', nipping up 20" BOP stack); Gradient Resources Fallon1 13-36 observation well (51'; cemented 9.625" conductor in place); TGP Coyote Canyon 76-14 ST1 observation well (7,887', setting RTTS packer).
34. Attended the Geothermal Resource Council annual conference in Scaramento from October 23rd through October 27th.
35. Reviewed Magma Energy's sundry notice to repair casing corrosion in the Soda Lake 87-29 injection well. Russ Land, UIC, worked out details with Magma Energy as to how he wanted the repair to take place. Alan approved.
36. Reviewed Magma Energy's sundry notice to skid rig and redrill Soda Lake TG44-34 due to hole problems and stuck pipe. Alan approved.
37. Wells drilling: Ormat Dead Horse 68-1 production well (1,245', pumping LCM pills); Ormat HSS II 65B(64)-8 production well (584', drilling); Gradient Resources Patua 27-29 (6,691', hanging NQ drill rods from 3.5 inch casing); Gradient Resources Patua 16-29 (3,244', drilling); Gradient Resources Fallon1 13-36 observation well (1,624'; drilling); TGP Coyote Canyon 76-14 ST1 observation well (7,887', nipped down BOP, released rig, waiting on approval to suspend drilling, BLM and NDOM); Magma Energy Soda Lake TG 44A-34 (720', blew off collars, set 50' plug on top of fish, set 2" tubing to 585'); Magma Energy Soda Lake TG58-27 (100', drilling) .

OIL AND GAS (LOWELL)

1. Wells Drilling: Cabot Oil & Gas Lake Valley 10-29 (7,949', drilling).
2. Wells Drilling: Cabot Oil & Gas Lake Valley 10-29 (9,136', drilling); Empire Petroleum Paradise 2-12 (4,250', rig on standby).
3. Attended the Nevada Petroleum Society meeting on October 7th. Dick Benoit, of Magma Energy, gave a talk on the history of geothermal exploration within areas of Nevada, Utah, and California.
4. Witnessed BOPE tests at the Empire Petroleum Paradise 2-12 well on Monday, October 11th. Empire was preparing to re-enter hole and drill ahead with air.
5. Reviewed Empire Petroleum's sundry notice to plug back (caste iron plug), perforate, and test two zones behind the 7 inch casing rather than drill ahead. Doug approved.
6. Wells Drilling: Cabot Oil & Gas Lake Valley 10-29 (9,515', plugged and abandoned hole, rigging down); Empire Petroleum Paradise 2-12 (4,250', testing well).

7. Reviewed Emergent Value's FLT 1 drilling permit and drilling program. Emailed Thomas Sarzen requesting more information on BOP specs.
8. Empire Petroleum Paradise 2-12 (4,250', continuing to test well).
9. Reviewed Emergent Value's FLT 1 drilling permit and drilling program. Notified of BLM approval. Proposed total depth of well is 7,500 feet. Alan approved.
10. Empire Petroleum Paradise 2-12 (4,250', continuing to test well).