ROAN CREEK EVAPORATION POND - LEAK DETECTION INSPECTION LOG

Date	Time	Maralex Pumper	Regulatory Personel Present	Water in Sump? (yes/no)	Notes
1-27-12	3:45P	ZRC		NO	OK
4-11-12	10:45A	ZRC		NO	OK
7-13-12	11:15AM	ZRC		NO	OK
9-28-12	9:30A	ZRC		NO	OK
12-19-12	9:50A	ZRC		NO	OK
3-25-13	9:00A	ZRC		NO	OK
7-18-13	6:45A	ZRC	BLM & COGCC inspected later this day during site visit	NO	OK
10-8-13	10:35A	ZRC		NO	OK
12-12-13	1:05P	ZRC		NO	OK
3-10-14	11:40A	ZRC		NO	OK
6-5-14	2:00P	ZRC		NO	OK

* for questions about inspections prior to dates logged, contact Leland Clifton at 970.799.1637

MARALEX RESOURCES, INC.

ROAN CREEK EVAPORATION POND:
REMOVE OLD LINER AND INSTALL NEW LINER

REPORT DATE: 09/17/98

Drive to evaporation pond from Ignacio. Arrive at 12:30PM. Meet with Carl and Tom Lee with Con-Sy Inc. Plan removal and installation procedure for new liner. Move in equipment. Uncover liner anchors with track hoe. Drain rain water from pond. Estimate 400-500 barrels of water. SDFN.

REPORT DATE: 09/18/98

Trench around top of pond to remove liner anchors. Cut liner into 30' panels. Pull out old liner and padding with trackhoe. Wad up liner and store on edge of pond. Uncover Leak Detection system with shovel. Call Will Lambert with BLM, inspect west end of Leak Detection system. Start working pond surface to level. Work uneven places on bottom and sides of pond.

REPORT DATE: 09/19/98

Finish removing old liner and padding from pond. Load into 40 yd3 dumpster. Prepare pond for re-lining. Level pond surface. Build up banks of pond. Inspect Leak Detection system with Will Lambert, BLM inspector. System consists of 4" perforated PVC drainpipe buried 2-6" below pond surface with gravel on top. Drain runs through middle of pond with tees running to sides.

← BLM inspection of leak detection system.

REPORT DATE: 09/21/98

Prepare pond for new liner. Level uneven surfaces-bottom and sides. Remove rocks and clay clods. Unload liner from transport truck. Prepare sand bags for holding liner panels in place. SDFN. Dig drainage ditch to divert runoff water from front of pond.

REPORT DATE: 09/22/98

Start lining pond. Place 40 MIL high density polyethylane (HDPE)- run liner panels from north to south. Place 15 panels - panels 1-14 22.5' width by 210' length. Panel #15 – 15.5' width by 210' length. Weld panels together with fusion machine. Place sand bags in base of pond to hold in place. Cover liner in trench with fill. Test welded seams with 32 psi air pressure. Hold pressure on each seam for 5 minutes. Each test held -- tested good: 12 welds 32 psi after 5 minutes – 2 welds 31 psi after 5 minutes. Install anchor pole for life line and float.

← dimensions of liner panels.

Total liner used = 69.405 ft2 (does not include liner used in anchor trench)

Will finish covering anchor trenches tomorrow AM when liner is coldest and stretched tightest.

Note: Installation and welding of liner seams inspected by Dave Trappett, Grand Junction BLM Office.

REPORT DATE: 09/23/98

Move in trackhoe and bobcat. Cover anchor trench around top of liner bank. Rain overnight settling in liner. Remove man-way from 210 bbl water tank to inspect tank and drain system. Tank set up with down comer to prevent 2-1/2 – 3' to not drain. Man-way gasket leaking. Finish grooming drain culverts. Dig out barriers at front gate. Heavy rain. SDFN.