RDI APPLICATION MANGANESE ROAD WASHINGTON COUNTY, UTAH

ATTACHMENTS 35 Dkqi tcr j { "cpf " Hqwpf cvkqp Jack Holt

1 IN THE UNITED STATES JUDICIAL DISTRICT COURT 2 FOR THE DISTRICT OF UTAH, CENTRAL DIVISION 3 4 WASHINGTON COUNTY, UTAH, a : Utah political subdivision, : 5 and STATE OF UTAH, • • 6 Plaintiffs, : Case No. 2:12-cv-00471 CW : 7 vs. : Judge Clark Waddoups : 8 UNITED STATES OF AMERICA, : 9 Defendants, : 10 and 11 SOUTHERN UTAH WILDERNESS : ALLIANCE, et al., : 12 Proposed Intervenor-: 13 Defendants. ٠ 14 15 16 DEPOSITION OF JACK E. HOLT, Taken before Rory Johnson, RPR, at 8:30 a.m. on 17 Wednesday, May 1, 2013, at the Utah State Attorney's 18 Office, 33 N. 100 W., Suite 350, St. George, Utah. 19 20 21 22 23 24 25

1	APPEARANCES	
2	Appearing on behalf of the Plaintiffs:	
3	ANTHONY L. RAMPTON, ESQ. ASST. ATTORNEY GENERAL	
4	5110 State Office Building P.O Box 142477	
5	Salt Lake City, UT 84114-2477	
6	ERIC CLARK, ESQ. WASHINGTON COUNTY ATTORNEY	
7	178 North 200 East St. George, UT 84770	
8	Appearing on behalf of the Defendant:	
9	ANNA K. STIMMEL, ESQ.	
10	ENVIRONMENT & NATURAL RESOURCES DIVISION UNITED STATES DEPARTMENT OF JUSTICE	
11	601 D Street NW, Room 3534 Washington, D.C. 20004	
12		
13	Appearing on behalf of Proposed Intervenor-Defendants:	
14	AARON GARRETT, ESQ. MANNING, CURTIS, BRADSHAW & BEDNAR	
15	170 South Main Street, #900 Salt Lake City, UT 84101	
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I N D E X EXAMINATION PAGE By Mr. Clark By Ms. Stimmel By Mr. Clark * * * EXHIBITS Exhibit No. Marked Washington Co. Map (West) Previously marked. Washington Co. Map (East) Previously marked. * * *

1	MS. BORGESON: It's May 1st, 2013. This	
2	is the deposition of Jack E. Holt. Present are	
3	Mr. Holt; Rory Johnson, the court reporter;	
4	Washington County Deputy Attorney Eric Clark;	
5	Tony Rampton from the Utah State Attorney	
6	General's office; Washington County Deputy	
7	Attorney Jodi Borgeson; U.S. Attorney Anna	
8	Stimmel; and Aaron Garrett, counsel for	
9	Southern Utah Wilderness Alliance. It is 8:35	
10	a.m.	
11	JACK E. HOLT,	
12	was thereupon called as a witness on behalf of the	
13	Plaintiffs, and having been first duly sworn, was examined	
14	and testified as follows:	
15	EXAMINATION	
16	BY MR. CLARK:	
17	Q Thanks. You don't care if I say Jack instead	
18	of Mr. Holt, do you?	
19	A No.	
20	Q Thanks. Jack, have you ever had your	
21	deposition taken?	
22	A For Ron Thompson and the Washington Field Water	
23	Conservancy. I can't remember if I just made a statement	
24	or we took a deposition, because they attempted the	
25	BLM attempted and closed the road, and I knew how the	

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1	road got there, and at that time Washington County Water			
2	conservancy had a filing on the Beaver Dams in the			
3	Narrows. And they had fenced this road off but given			
4	access to it. In the meantime, they had changed and give			
5	that filing on that dam up in exchange for the dam			
6	they're going to build over here by Anderson's Junction.			
7	Q Okay. Just to refresh your memory then, as we			
8	do this it's important that you and I, and I kind of			
9	started to do it as you started talking, that we don't			
10	talk over each other because that makes it very difficult			
11	for Mr. Johnson to get stuff down.			
12	A Very good.			
13	Q As I ask questions, if you can wait until I			
14	finish asking it to answer.			
15	A Absolutely, and then I'll do the same thing.			
16	MR. GARRETT: Excuse me. Can I state my			
17	objection?			
18	MR. CLARK: Yeah, go ahead.			
19	MR. GARRETT: Thank you. I'm Aaron			
20	Garrett, I'm an attorney for proposed			
21	intervenors in this case, who are the Southern			
22	Utah Wilderness Alliance, the Wilderness			
23	Society, the Grand Canyon Trust, and the Sierra			
24	Club. We're all referred to collectively as			
25	SUWA. We've requested the permission of the			

parties to state objections on the record
during this deposition.

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The United States has stated previously that it takes no position with regard to SUWA's ability to object, while the plaintiffs have stated that they oppose SUWA's request and will not allow SUWA to raise objections during this deposition.

9 SUWA would like to be able to object so as 10 to preserve its objections to form of a 11 question and to exhibits, and to give the 12 opportunity to cure. So as to not disrupt the 13 proceedings of this deposition, SUWA will not 14 make its objections; however, SUWA states for the record that it believes it will have such 15 16 objections, and in the event SUWA is allowed to 17 intervene, it reserves all rights with respect 18 to objections it may have and to its inability 19 to participate in this deposition in general 20 and that it should be able to make objections 21 in the future if these preservation depositions 2.2 are ever introduced in support of any motion or 23 at trial without any argument that such 24 objections have been waived. And the 25 applicable Federal Rule is Rule 32(d)3 of the

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1	Federal Rules of Civil Procedure. Thank you.			
2	MR. RAMPTON: I would just put on the			
3	record as well that SUWA and the other			
4	intervenors made these arguments to the court,			
5	and the court has ordered that they are not			
6	allowed to participate in these depositions			
7	pending their motion to intervene, but they can			
8	sit in and they can hand questions to the U.S.			
9	attorney if, in fact, they want questions			
10	asked. So yes, the State of Utah does object			
11	to their active participation in this			
12	deposition, but that is in conformity with the			
13	courts order.			
14	BY MR. CLARK:			
15	Q Okay. Jack, can you state your full name and			
16	date of birth?			
17	A Jack Everett Holt, January the 24 th , 1929.			
18	Q And what has been what occupations have you			
19	had over the course of your life just briefly?			
20	A Over the course of my life I quit school at			
21	ninth grade, and I have worked for myself the rest of my			
22	life. I have been in the redimix business; I have built			
23	apartments; I have built and sold homes; I've been in the			
24	grocery business; I've been in the business of building			
25	and selling homes.			

1	Q Have you ever considered yourself a prospector?		
2	A Yes, absolutely.		
3	Q Okay. We're going to begin with some family		
4	history. Can you tell us the name of your great		
5	grandfather?		
6	A James, who my father was named after.		
7	Q James Holt?		
8	A James Holt.		
9	Q And where did he live?		
10	A He lived on this side of Enterprise in Holt		
11	Canyon on the Spanish Trail.		
12	Q Did he settle that area?		
13	A He settled it.		
14	Q Do you know what he did to make a living during		
15	his life?		
16	A Absolutely. He had farm, and he had what was		
17	called a hostelry. In those days they repaired the		
18	wagons going down the Spanish Trail, and they overnighted		
19	them, slept them, fed them and took care of their needs		
20	and wants.		
21	Q And just to clarify, Holt Canyon is in		
22	Washington County?		
23	A Yes, it is.		
24	Q And your grandfather, what was his name?		
25	A Henry.		

Q And what was his occupation?			
A His occupation was livestock and farming.			
Q What areas did he run livestock and farm in?			
A He run livestock all through the Veyo area. He			
run livestock in the Pine Valley area. He was			
responsible from Pine Valley, him and Bracken moved down			
and broke the first ground in Central, and he moved his			
water deeds down to Central. And that's where he put a			
little store in and he built a school in Central. They			
were the first ones to establish Central.			
Q And then just for the record, Central is in			
Washington County, correct?			
A Yes, it is.			
Q To the best of your knowledge, did your			
grandfather live in Washington County his entire life?			
A Yes, with one exception when he was on mission.			
He went on five different missions for the church to the			
Indian tribes. Spoke five different dialects.			
Q When you say the church, which church do you			
mean?			
A The Church of Jesus Christ of Latter-Day			
Saints.			
Q As a boy, did you assist your grandfather in			
his ranching operations?			
A No, I did not.			

1					
1	Q Okay. Moving to your father, what was his				
2	name?				
3	A James Leroy Holt.				
4	Q And do you know the year, the approximate year,				
5	that he was born in?				
6	A No, I do not. He died at the age of 87 in				
7	Cooper's Rest Home. It would be we had sold the				
8	motel, which he was a part owner in in 1968. So he was				
9	still alive then. I would put it in the 70s.				
10	Q Okay. What occupations did he have in his				
11	life?				
12	A His first, when he came back from the First				
13	World War, he came back and had TB. So the doctors				
14	ordered him out into the hills, get out into the fresh				
15	air. And he went to work for a set of twins of the name				
16	of Jed and Ned Fawcett who lived right here in				
17	St. George, and him and his brother went to work for them				
18	herding and taking care of Angora goats.				
19	That was during the time of the Taylor Grazing				
20	before the BLM was established. And they built the house				
21	at Jackson, and he planted that cottonwood tree that's				
22	there right today. And he was at Jackson in				
23	January 24 th 1929, when I was born. And there was an				
24	iron telephone line that went from St. George out and up				
25	the Beaver Dams to Acoma which was the railhead where the				

1	steam engines put water in. And he got on a mule, and			
2	then they had the snow he told me was up to the knee.			
3	And he rode from that Jackson into here.			
4	Q When you said			
5	A Now, after			
6	Q Go ahead.			
7	A Excuse me.			
8	Q When you say that he was at Jackson, I just			
9	want to quickly identify that so we have where that's at.			
10	In front of you is Exhibit 1. It's a map of the west			
11	side of Washington County that is being used in a series			
12	of depositions. Can you orient us on the map and point			
13	to the area that Jackson is at?			
14	A Okay. There is Gold Strike Road. This is			
15	Jackson Road here. That's the road going to Gold Strike.			
16	Q Well, that's Manganese Road.			
17	A Manganese Road, yeah. You can get to Gold			
18	Strike on it. So Jackson, there is the Gold Strike Road.			
19	Okay. Jackson would be okay. I would say Jackson is			
20	somewhere right in here.			
21	Q Okay. So for the record the witness is			
22	pointing to the Jackson Road 0011 right in the area			
23	around a little spur coming off of that road 0061. Thank			
24	you. When you say he was at Jackson, was that a town of			
25	any sort at the time?			

1	A No, no. It was a weigh station, and it was			
2	built for these three to five thousand head of Angora			
3	goats that they took care of.			
4	Q When he ran those goats out in that area, were			
5	there other areas other than just right around that			
6	Jackson area that he ran the goats?			
7	A He run them from there onto the West Mountain,			
8	which they was supposed to be extinct, done away with,			
9	but in my prospecting out there ten years ago, I killed a			
10	wild Angora goat.			
11	Q And the West Mountain is this mountain range			
12	south of the Jackson area?			
13	A Yes, south.			
14	Q And to the west of St. George?			
15	A That is right.			
16	Q Were there other areas that you had these goats			
17	in?			
18	A Flat Top, Jackson Mountain, Gold Strike, McEwan			
19	Flat.			
20	Q I'm not sure that Flat Top, I was thinking it			
21	was labeled, but I don't know that it is. Can you show			
22	us where Flat Top is on that map, the rough area?			
23	A Okay. Where did we say the cabin was? It's			
24	right here.			
25	Q We have a Square Top Mountain labeled here.			

1	A Okay, Square Top. This is the Red Ledges in			
2	here, so that would be it right there.			
3	Q Is Square Top Mountain another name for Flat			
4	Top?			
5	A We call it Flat Top, but then you can call it			
6	Square Top, the map.			
7	Q It's in that same area?			
8	A Yes.			
9	Q Okay. So when your father ran goats, he ran			
10	them from the southern area of the county roughly I'm			
11	looking these roads for reference point, the TV Tower			
12	Road, 0077?			
13	A Yes.			
14	Q Old Highway 891?			
15	A Yes.			
16	Q Up towards the Gold Strike Road?			
17	A Yes.			
18	Q Okay. What other occupations did your father			
19	have?			
20	A My father, because he had TB, and he was a			
21	musician. He played the violin and banjo. Done an			
22	excellent job on them. And during the depression, FDR			
23	started the New Deal, and part of that new deal was that			
24	they employed my father and Mr. Cooper and three others,			
25	and like on Monday night, they would play in the rec hall			

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1	here at the elementary, and all the adults and kids would			
2	come there and dance. It was a WPA program. The next			
3	night they would be in maybe Washington. The next night			
4	they would be in Hurricane. They went from town to town			
5	and played music for the dances.			
6	Q Did he have any other professions in the course			
7	of his life?			
8	A Yes. He was a carpenter, and he worked for			
9	David O. Woodbury.			
10	Q Did he have any other professions or hobbies			
11	that would have taken him out into the western side of			
12	Washington County?			
13	A Absolutely. He loved to prospect. And he got			
14	that from his great grandfather, James, because James			
15	Holt discovered the Holt Silver Mine on the north hills			
16	north of Enterprise. And he had Apostle Antoine Ivins			
17	that came in with him, and they sunk the original shaft			
18	and shipped the ore to Pioche to be refined until they			
19	hit that water. And when they hit that water, there			
20	hadn't been a plow in the Enterprise desert, and yet			
21	there was no way to move the water, and it stopped them			
22	dead in their tracks.			
23	Q So did just to restate that, your father			
24	learned some of his mining/prospecting skills from his			
25	grandfather?			

1	A	Absolutely.
2	Q	Do you know if he had any other training or
3	somewhere	else he picked up skills?
4	А	No, he was strictly a prospector.
5	Q	And what was your mother's name?
6	А	My mother's name was Violet Gleave.
7	Q	And did she ever have a job outside of the
8	home?	
9	A	No, she did not.
10	Q	Did she have hobbies that would take her out
11	into the w	western side of Washington County?
12	A	Oh, she prospected with him, and she was
13	president	of the DUP.
14	Q	The DUP?
15	А	Daughters of the Utah Pioneers.
16	Q	Thanks.
17	А	No, I do not.
18	Q	Where were you born, Jack?
19	А	January the 24 th , 1929.
20	Q	In what location?
21	А	Right here in the old hospital which is where
22	the teleph	none business is now, the McGregor Hospital.
23	Q	St. George?
24	А	Yes, in St. George.
25	Q	Have you lived in St. George your entire life?

1 I've lived in St. George, yes. А 2 Q And when you were a very young boy, you know up 3 to ten years old, were you out on the roads shown on Exhibit 1? 4 5 А Yes. I went out with my father. 6 Q What types of things did you do with your 7 father at that age? 8 I just followed along with him, looked for А 9 arrowheads. 10 And what was he doing at that time? Q 11 А Prospecting. 12 Q Okay, thanks. And then as you were a little 13 bit older and you were in school, did you continue to go 14 out with your father prospecting? 15 А Absolutely. 16 And did you learn the trade of prospecting from Q 17 him? 18 I got interested and learned from him what he А 19 knew. 20 And at that time while you were in school, were 0 21 you out on these roads doing other activities? Yes, I was. 2.2 А 23 Q What types of activities did you do? 24 Hunting arrowhead, hunting, artifact hunting. Α 25 And how did you guys get around in those early Q

1 years of your life when you were in school and younger? 2 How did you travel out here? Was it on horseback? Was 3 it in a vehicle? 4 А It was my brother was in the Second World War, 5 and he left the 1932 Chevrolet Roadster, which had a 6 convertible top and a rumble seat. And my dad, when we 7 got to the Indian farm and got to the Jackson Road, he 8 would let me drive that vehicle out into the country 9 while he prospected, and I went with him. 10 And I was at the bottom of the dugway on the Beaver Dams, and I heard cows next to the creek 11 12 bellowing, and I woke my dad up an he said don't worry 13 about it. And we got up the next morning, them cows was 14 split open and dead, and there were the tracks were of a 15 huge Grizzly Bear. 16 And I went -- we went down to Larsen's, which 17 was the next farm down, homesteaded Marty Larsen, and 18 told his son, Elmer, who's still alive today, and he came 19 up with a horse and he tracked that grizzly all the way 20 across country to Pine Mountain and killed it. And he 21 still has the necklace with the teeth from it. 2.2 0 And just -- that's a great story. While we are 23 on that story, I'm going to jump ahead. Can you tell 24 us -- do you know the area that you were at when you 25 camped that night and that happened?

It's on the dugway on the Beaver Dams. 1 А Yes. 2 Now I can't put it right on the bottom. Let's go to the 3 Beaver Dams. 4 Okav. I can help orient you a little bit. We 0 5 have Cougar Pass Road up here, Beaver Dam Wash Road up 6 here. 7 No, this should be the east -- or here, this is А 8 the west because -- okay. Is this a school section or is 9 this a homestead? 10 On this map the white is private, so that would Q 11 be a homestead. 12 All right. That would be Marty Larsen's А 13 probably. You had three homesteads in there. You had 14 Nelsons down below, you had Marty Larsen's there, and 15 then over the East Fork of the Beaver Dams you had -- I 16 know the name of the family, but I can't bring it up, 17 which they -- all right. And we were camped about right 18 there. That would be just about right where we were 19 camped. Right at the bottom of the dugway. 20 I'm going to write on this map ML for Marty 0 21 Larsen's. 2.2 А Marty Larsen. 23 0 For the record, that is about half way up the 24 Beaver Dam Wash Road between the end of it and the 25 junction with Cougar Pass Road. Approximately how old

1	were you when you would come out with your father and he		
2	would let you drive?		
3	A Less than 16 years of age.		
4	Q Just to help Mr. Johnson, let's make sure you		
5	and I let each other finish before we answer and ask		
6	questions. How much schooling did you get, Jack?		
7	A I left in ninth grade.		
8	Q Approximately how old were you then?		
9	A 16, 17.		
10	Q What did you do for employment at that time?		
11	A Pardon?		
12	Q What did you do for employment after you left		
13	school?		
14	A The war was over, and my brother came home.		
15	And he bought an army truck, and we converted it over		
16	with a winch on the so that the winch went over the		
17	top, and we used a slip scraper with boards up to the		
18	back of the dump bed, and I'd pull that slip back on the		
19	Santa Clara and load gravel. And we hauled gravel and		
20	sand and topsoil.		
21	Q When you say that the war was over, which war		
22	are you referring to?		
23	A I'm referring to the Second World War.		
24	Q And as you collected that gravel, can you point		
25	to us roughly on the map where that was?		

1	A Find me Santa Clara.			
2	Q We have Old Highway 91 coming up through the			
3	pink is the Indian reservation, and this is the highway			
4	up to Pine Valley, SR-18.			
5	A And this is the Old Highway 91. This would be			
6	St. George here. So I would assume that this right here			
7	would be Santa Clara.			
8	Q Okay.			
9	A And I'd assume that would be Ivins.			
10	Q The witness is indicating to the area where Old			
11	Highway 91 stops becoming a county road near road 0842.			
12	How long did you work with your brother?			
13	A I worked with my brother until 1965 when I			
14	bought him out of the motel.			
15	Q Yeah, sorry. I should have asked that better.			
16	How long did you work with your brother in the gravel			
17	operation?			
18	A We probably were in it five years.			
19	Q And then what did you do for employment?			
20	A Then me and my brother built the Dixie Market,			
21	which is the grocery store in west south end of			
22	St. George, which is still standing and is now a health			
23	food store.			
24	Q And so I'm just doing some math quick in my			
25	head, approximately what age were you when you built the			

1 Dixie Market? I'd probably be 18, 19. We still run the 2 А 3 gravel business. And that would put you, if you were born in 4 0 5 1929, that would put you approximately what year? 6 Approximately the 1947-48? 7 А Yes. 8 What year were you married, Jack? 0 9 '52, 1952. А 10 You built the Dixie Market before you were Q 11 married? 12 Α Yes, I did. After you built the Dixie Market, did you 13 Q 14 operate the Dixie Market? 15 Absolutely. Seven days a week, 365 days a Α 16 year, closed Christmas morning and Thanksgiving 17 afternoon. 18 And how long did you do that for a profession? Q 19 А We built the motel in 1952, so from there to 20 1952. 21 Did you build the motel the same year you were Q 2.2 married then? 23 А Yes, I got married during the construction of 24 the motel. 25 Okay. And at that time did you stop operating Q

1		
1	the Dixie Market when the hotel was finished?	
2	A I did, and my father took over the operation	
3	until we sold it to Ron Cannon.	
4	Q And what did you do?	
5	A Me and my wife lived in the motel until 1956.	
6	We were there 24 hours a day.	
7	Q And you lived there and operated it?	
8	A Absolutely.	
9	Q Did you have any children during the time that	
10	you were living in the motel?	
11	A Yes. We had one, a daughter by the name of	
12	Valerie.	
13	Q And how many children do you have?	
14	A I have three.	
15	Q Were they all born fairly close together or	
16	A They were spread out.	
17	Q Can you give me the rough years that they were	
18	born?	
19	A No, I cannot.	
20	Q Okay.	
21	A I can last one because she was born deer season	
22	morning.	
23	Q Okay. And when was that?	
24	A Diane would be about 50 years old, 40 years old	
25	rather. Between 40 and 50. She'd get after me because I	

1			
1	don't know the exact times.		
2	Q During that time when you were working with		
3	your brother and then owning and operating the motel, did		
4	you continue to go out into the western portions of		
5	Washington County?		
6	A Absolutely.		
7	Q How often?		
8	A As often as I could get away.		
9	Q Would that have been on average once a month?		
10	A Well, much faster than that.		
11	Q Once a week?		
12	A At least.		
13	Q Okay. And during that time around the time		
14	between when you graduated from school and during your		
15	first few years of marriage, how did you travel out on		
16	these roads?		
17	A I traveled in a pickup.		
18	Q Would that have been a two-wheel drive?		
19	A Two-wheel drive to start with.		
20	Q And primarily your activities were doing what?		
21	A Hunting and prospecting.		
22	Q Is it fair to say that you hunted and		
23	prospected starting from the time that you were 14, 15,		
24	16 years old up through the 1970s?		
25	A Oh, absolutely.		

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1	Q On a regular basis?			
2	A On a regular base.			
3	Q You said you lived in the motel until 1956.			
4	Did you continue to operate the motel after that time?			
5	A Yes, I did.			
6	Q How long did you run the motel?			
7	A We run the motel until 1968.			
8	Q And then what did you do?			
9	A At that time I started drywall was just			
10	entering the picture in construction. Everything prior			
11	to that was lath and plaster. And when I had the motel,			
12	I wanted to spray the ceiling, that popcorn, and I bought			
13	a little spray gun and attempted to spray one. And it			
14	just by luck the man from they make bonding mud and			
15	texture in California, and he stayed with me all the			
16	time. And he happened to have a bag of 21/21P, which was			
17	the acoustic, in his truck which has 12 percent asbestos			
18	in it. And he come in and showed me how to run it so			
19	that I sprayed the whole motel. And after that people			
20	seen it and heard about me doing it, and they had me come			
21	to their homes, and I sprayed houses, me and my wife			
22	masked them in lived-in houses, and we sprayed this			
23	popcorn on the ceilings. And then I got into taping and			
24	mudding, and I run one of the largest drywall companies			
25	in southern Utah.			
16 17 18 19 20 21 22 23 24	time. And he happened to have a bag of 21/21P, which was the acoustic, in his truck which has 12 percent asbestos in it. And he come in and showed me how to run it so that I sprayed the whole motel. And after that people seen it and heard about me doing it, and they had me come to their homes, and I sprayed houses, me and my wife masked them in lived-in houses, and we sprayed this popcorn on the ceilings. And then I got into taping and mudding, and I run one of the largest drywall companies			

1	Q And did you do that until you retired?			
2	A I didn't. My son took over the company, but I			
3	definitely still did repairs.			
4	Q Up until about what time did you do drywall?			
5	A Up until I broke that wrist, and my job was			
6	about two weeks ago and I shut it down.			
7	Q Okay. Sorry to hear that. But it looks like			
8	you're doing okay. During the time that you operated a			
9	drywall business from 1968 up until nearly the present,			
10	did you continue to travel the roads out in the western			
11	side of the county?			
12	A More so than I ever did.			
13	Q Why was it more often then?			
14	A Because I was older, and I had studied very,			
15	very hard in geology, and I've been out with some of the			
16	major, major mining company geologists in the field, and			
17	I can name them by name, and I can tell you what			
18	companies they were with, and I can tell you what we did.			
19	And so I become really interested in mineralization.			
20	Q Let's explore that a little bit. When did you			
21	begin studying geology?			
22	A Probably in the 60s.			
23	Q And how did you what did you do to study			
24	geology originally?			
25	A I read books.			

Q And how did you get exposed to other experts in
the field of geology?

3 А Because of my discoveries on mineralization, 4 and contacting people like Mr. Green from Amax, which is 5 headquartered in Phoenix, Amselico, which is headquarters 6 in Ely which is the precious metals division of the Rich 7 Corporation which owns Kennecott, American Mining Company 8 which is owned by Coors Beer; Buteux, which is owned by 9 the French government that sent the crews cruise in here 10 to explore the strip out here for uranium, and then the 11 price of uranium went to pot, and so they went to gold, 12 and I had drilling programs with them. 13 Let's go back to each of those and see if we 0 14 can pin down a rough date for when you had that exposure. 15 Again, you just named off five companies. I'm sorry I 16 didn't write them down. Let's start with Buteux since that was the last one. Roughly when were you out with 17 18 Beauteux? 19 In the late 1980 or early 90s. А 20 And that was on the Arizona Strip you said? 0 21 No, they were there -- that was on the Beaver А 2.2 Dam on gold property. 23 Q When you say the Beaver Dam, can you show us on 24 the map what you're referring to? 25 This is Marty Larsen's we're taking it, and А

1	right about there.			
2	Q Okay. So the witness is indicating a mile or			
3	so north of the private property marked on Exhibit 1 as			
4	ML for Marty Larsen homestead.			
5	A May I make a comment?			
6	Q Please.			
7	A Marty Larsen had two homesteads. He had the			
8	lower homestead and also had the upper homestead. So he			
9	has two fields.			
10	Q Would the lower homestead be approximately			
11	where this square is, and it says ML down in the Motoqua			
12	area?			
13	A Yes.			
14	Q And that was previously marked?			
15	A And Nelsons was at Motoqua, Motoqua is a			
16	Shivwit word meaning post office.			
17	Q And we'll get there. So Buteux, what was			
18	another company you went out with?			
19	A American Mining which was owned by Coors Beer.			
20	Q And what was the approximate date that you were			
21	out with them?			
22	A Be in the 80s, 90s.			
23	Q Okay. And can you remember any other companies			
24	that you were out with?			
25	A Amselico.			

1	Q When were you out with Amselico?			
2	A In the late 90s, early 2000s.			
3	Q Were there any other companies?			
4	A Western Gold and Uranium.			
5	Q Approximately what date was that?			
6	A That would have been in the I had			
7	headquartered them. They lived in my motel, and I sold			
8	out in '68, and they couldn't pay their bill when they			
9	left, so they left me a Model J Joy drill on an Army six			
10	by six for the bill. So I would say be '62 to '65.			
11	Q Which areas of the county did you go out with			
12	Western Gold and Uranium?			
13	A The Beaver Dams.			
14	Q Is it safe to say that all the companies you			
15	went out with, you were on the Beaver Dam area in this			
16	northwestern portion of the county?			
17	A All with the exceptions of Mr. Green who,			
18	Molycorp, who headquarters in Phoenix, and that drilling			
19	program was on the Tooley desert at the bottom of Pine			
20	Mountain.			
21	Q Is that on this map?			
22	A I doubt it, no.			
23	Q Is it in the state of Utah?			
24	A No, Nevada.			
25	Q Jack, were there any other companies that you			
I				

1	were out with?		
2	A Tenneco.		
3	Q And approximately when were you out with		
4	Tenneco?		
5	A During their operation of the Gold Strike mine,		
6	and that would have been five to ten years ago.		
7	Q In the 2000s?		
8	A Yes.		
9	Q Are you aware of some of the broader history of		
10	mining and mineral extraction in Washington County?		
11	A Yes, I am.		
12	Q What's the earliest you were aware of people		
13	extracting minerals from within the county?		
14	A Silver Reef.		
15	Q Silver Reef is in the Leeds area?		
16	A It is.		
17	Q And approximately when or roughly when did that		
18	occur?		
19	A After it was abandoned. It would have occurred		
20	when I was 15 or 16 years old.		
21	Q They were still mining Silver Reef during that		
22	time?		
23	A No, they were not.		
24	Q It was before your lifetime?		
25	A Yes, it was.		

1	Q And what did they mine?
2	A Not before my lifetime, but
3	Q Thank you. Before your memories?
4	A Yes.
5	Q And what did they mine in Silver Reef?
6	A Silver and sandstone, which shouldn't occur.
7	Q Was it a sizable operation?
8	A Yes. Had a town.
9	Q And that ended early in your life?
10	A Yes.
11	Q What other mining operations have occurred in
12	the county that you're aware of?
13	A The Apex Mine which is on the West Mountain.
14	Q Can you show us that on this map?
15	A Okay. Where is Old Highway 91?
16	Q Old Highway comes out of the St. George/Santa
17	Clara/Ivins area here. This is the Indian reservation,
18	and then it goes south towards Nevada.
19	A Okay. So when we go over the crest of it, we'd
20	take this road off right here, Bulldog Pass. We'd take
21	that road off right there.
22	Q Okay. Approximately when was the Apex Mine
23	operating?
24	A The Apex mine was operated at the one of the
25	earliest by Judd, Willey and Lund, who had the Judd Store

1 here, which was they had one in Pioche, they had one in 2 Enterprise. They were involved in a lot of different 3 businesses. And they built a smelter on Diagonal. 4 0 Diagonal is --5 А In St. George. Prior to that, the original 6 discovery, the smelters was built at Shem, which is the 7 upper end of the Shem Dam going to Gunlock. And there 8 was a town at Shem, and they built their coke ovens and 9 refined the ore there. 10 Just to orient us on that, can you point to the Q rough area that that would have been on the map? 11 12 Where is our Gunlock Road? А 13 This is the Old Highway 91. This is the Q 14 Gunlock, and Gunlock Reservoir shows on the map. 15 Α Okay. Gunlock Reservoir shows on the map. I'd 16 say about right there. 17 Q The witness has pointed to a small piece of 18 private property around road 0145. And sorry, around 19 what time was this that they were doing that? 20 This was in team and wagon days. So I can't А 21 give you a date on it. 2.2 Q Was it during your lifetime? 23 Α Yes, I would say. 24 Q Did you ever visit the mine during your 25 lifetime?

1	A Many times.			
2	Q When it was operational?			
3	A Yes.			
4	Q And how did you get to the mine when you did			
5	that?			
6	A I drove there.			
7	Q Approximately what years was it or decade that			
8	you visited the mine?			
9	A In the 40s.			
10	Q How long was the Apex Mine operational?			
11	A It was operational at two different times.			
12	M. Cox was the last person to operate it, and he operated			
13	it during the war. The government subsidized him. And			
14	he shipped the ore to Cedar City by truck, and it was			
15	sent to Salt Lake to be refined.			
16	Q When you say the war, which war do you refer			
17	to? Which war is the war?			
18	A Second World War.			
19	Q How do you know that they did that during the			
20	Second World War?			
21	A Because I knew the miners, and I knew M. Cox			
22	and I knew M. Cox's son.			
23	Q Thank you. So that was the first time it was			
24	operational during the Second World War?			
25	A No, no. It was operational back in the team			

1	and wagon	days.
2	Q	Okay. And the time that it was operational in
3	Second Wor	rld War, did it continue operating for quite a
4	number yea	ars?
5	А	Yes, but not for copper. They operated for
6	germanium	and gallium.
7	Q	And approximately how long was that mine
8	operationa	al?
9	А	For which? Germanium and gallium or in total?
10	Q	So let me go back. They minded copper out of
11	it during	the Second World War. Did they continue mining
12	copper aft	ter the war ended?
13	A	Yes.
14	Q	For approximately how long?
15	A	Several years.
16	Q	Did you visit the mine during the time they
17	were still	l mining copper out of it?
18	A	Yes, I did.
19	Q	And how old were you at that time?
20	А	I'd probably be in my 20s.
21	Q	So that would have placed this in the 1950s?
22	A	Yes.
23	Q	And was that around the time that they stopped
24	mining cop	oper?
25	A	Yes.

Q How long was it closed between when they mined
copper and when they started mining other minerals?
A I can't tell you that.
Q Do you remember when they started mining the
other minerals?
A Absolutely.
Q Can you give me an approximate date?
A Be in the 1990s.
Q Did you say it was in the early or late 50s
they stopped mining copper?
A I would say that, yes.
Q Early or late 50s?
A I cannot tell you.
Q Okay. So we've discussed the Silver Reef area,
we have discussed the Apex Mine area, which just for the
record you had said that you accessed by the Bulldog Pass
Apex Road 9921. Approximately where was the mine in that
area?
A Here's Old Highway 91, and we come off here.
It's right along in here.
Q Near the Indian reservation?
A If I was judging, I would say right there
because it's a fault, and I can show it to you.
Q So the witness has pointed to an area west of
the Bulldog Pass/Apex Road near where the BLM area and

1	the Indian reservation meet. I'm going to mark that
2	approximately right here.
3	A If this is the West Mountain, which I believe
4	that it is, yes, I'd say right there, right where that V
5	is.
6	Q And just to orient us, this is the Indian
7	reservation?
8	A Yes.
9	Q So I'm going to mark
10	A And it's just sorry.
11	Q Apex. Are you aware of other mineral
12	extraction operations in Washington County?
13	A The gold from Gold Strike.
14	Q Can you point to us where the Gold Strike mine
15	was at? Sorry, I can orient you. You have 91, you have
16	Jackson. We actually have Gold Strike marked on the map
17	here.
18	A Here's your Gold Strike Road going off here,
19	and Gold Strike would be right in here.
20	Q Okay. The witness has pointed to private
21	property.
22	A No, that private property is up on well,
23	yes, private property patented. There is six patents.
24	Q Up on the area marked as Gold Strike at the
25	northeast end of the Gold Strike Road. When was the

1 mining operation in Gold Strike?

2	A The geologist at Tenneco was the one that last
3	operated it. Before that, there was six patented claims.
4	One called the Surprise, one called the Beaver Tail,
5	Kennecott Flat, and I can't tell you what the other two
6	were. And Lonnie Hafen, who was the geologist for
7	Tenneco, because he was raised here, acquired all six of
8	the patented pieces of property for Tenneco, and he took
9	charge of the development of the mine. And at the time
10	that they had the grand opening, I was invited, me and my
11	wife, there because Tenneco also had some leased ground
12	from us, claims on BLM, and they had drilled and had an
13	ore body.
14	Q Would you say that the Gold Strike mine with
15	the Tenneco operation that you're referring to began
16	after 1976?
17	A Yes. Oh, yes.
18	Q Was there any mineral extraction in the Gold
19	Strike area prior to 1976?
20	A Absolutely.
21	Q Can you describe that for us?
22	A I was told that an old prospector came up the
23	Beaver Dams prospecting. He went up the West Fork and
24	lost the color. So he turned and went up the East Fork,
25	and he followed the East Fork of the Beaver Dams and

1	panned right up to the Hamburg Mine. He came back down
2	to the wagon road where old Mr. Woodard, which the
3	Woodard High School is named after, he was a Texas
4	cattleman that run cattle out there, and he had his
5	headquarters right there. And the man came in and asked
6	him if he had a rider going to St. George so that he
7	could take the papers and file them for his claims. And
8	Woodward turned around and bought him with eagles and
9	double eagles, those claims, because he seen the rock,
10	and he didn't know much about minerals. And from there
11	is when it was operated.
12	MS. STIMMEL: Objection, hearsay.
13	Q How did you learn of that? Those events?
14	A That's common knowledge.
15	Q When you say common knowledge?
16	A My dad told me.
17	Q Approximately what year would that have
18	happened?
19	A Be back in the team and wagon days.
20	Q Before you were born?
21	A It could have well been, yes.
22	Q Was and that was, sorry, give me a second.
23	For the record, the Hamburg and the East Fork, the
24	Hamburg is marked on the map as previously marked on the
25	map originally, the East Fork Wash of the Beaver Dam, so

1 we have marked as East Fork. And just to clarify, the 2 East Fork goes from -- can you show us where the East Fork --3 4 А The East Fork goes from Nelson's homestead, 5 divides -- let's find where the river is. 6 Q When you say Nelson's homestead, is it their 7 lower one or upper one? 8 No, their lower one. Right, Cougar Pass. А 9 MS. STIMMEL: Can we clarify for the 10 record Nelson --11 Α This is the East Fork right here. 12 Q Okay. And the witness is indicating, it's also 13 marked on the maps East Fork? 14 East Fork, um-hmm, right there. А 15 Does that run up to where we have East Fork 0 16 marked here? 17 Α Yes. 18 Runs up adjacent to the Gold Strike area? Q 19 Α Yes, it does. 20 When you say Nelsons, that's separate from Q 21 Larsens? 2.2 Α Yes, it is. 23 Q My mistake on that. Where was the Nelson 24 property? 25 The Nelson property is right when you drop off А

1 from the road down into the Beaver Dams. So you take the 2 road from Jackson Road out here, and you drop into the 3 Beaver Dam's -- I wish I had brought my glasses. Okay. 4 Beaver Dam Wash, okay. He would be right here. 5 In the Motoqua area? 0 6 А Yes. In fact, Motoqua is on his ground. They 7 had a cedar log building. The mail was left there. 8 At the time that that -- is that the earliest 0 9 prospecting that you have heard of in this area that 10 you're aware of? Gold Strike? 11 А 12 Q That story of the prospector coming up the 13 wash? 14 А Yes, it is. 15 Would there have been roads that he would have 0 16 followed at that time in this area? 17 MS. STIMMEL: Objection, foundation. 18 You can go ahead and answer. Q 19 Again? А 20 So at the time that that happened, which would 0 21 have been approximately in the 1920s or 1930s, would 2.2 there have been roads in this area? 23 А I was born in '29, and my dad was at Yes. 24 Jackson and there was roads there. The roads went into 25 the Beaver Dams and crossed over to Dodge Spring into

,	
1	Nevada. It also went up the Beaver Dams, and the ore
2	from Silver Reef and from the Apex was put on a wagon and
3	hauled out to the Beaver Dams and put on a steam engine
4	with one car behind it and taken up the road that they
5	built to get to Acoma, the rail head. And one wheel of
6	that steam engine is up at Ross Matthews' ranch at the
7	head of the Beaver Dams today.
8	Q Matthews ranch would be at the end of Matthews
9	Ranch Road?
10	A That is right.
11	Q We have that marked on another exhibit. Was
12	there other mineral extraction in the Gold Strike, the
13	broader Gold Strike area, the northwestern portion of the
14	county that you're aware of?
15	A Silver on side of Mineral Mountain.
16	Q I would like to mark Mineral Mountain if you
17	could locate that for us. We have Cougar Pass Road. We
18	have Daggett Flat?
19	A So Mineral Mountain is right here.
20	Q We have Black Canyon.
21	A Black Canyon.
22	Q Butcher Knife?
23	A Okay. Butcher Knife. Okay, Mineral Mountain
24	is right in here.
25	Q Is Mineral Mountain to the is it at the end

1	of Butcher Knife? Is it down Butcher Knife?
2	A It is at the end of Butcher Knife.
3	Q I'm sorry, what is Butcher Knife?
4	A Butcher Knife is a wash that had a road in it.
5	You had Butcher Knife, Slaughter Creek and Bull Mountain
6	which were all named because when the pioneers went out
7	there, that was where the Spanish Trial went through down
8	below there, and there was herds of wild cattle and they
9	gathered them and brought them in.
10	Q On the map Butcher Knife is previously marked
11	running parallel to the road 0036. Is Mineral Mountain
12	located at the northern end of the Butcher Knife?
13	A Yes, it is.
14	Q And I'm going to mark that. Jack, you said
15	they excavated silver from Mineral Mountain?
16	A Yes.
17	Q Approximately when did that occur?
18	A That would have occurred at the time that Jacob
19	Hamblin lived in Santa Clara, which the Church still has
20	the building that he lived in over there, and he was
21	renowned for his ability with shooting. And Indians
22	brought him the Paiutes brought him what lead to make
23	the bullets out of. And when he smelted it down to pour
24	it in the molds, he found out it contained a high amount
25	of silver. So the pioneers went out, and finally the

-	
1	Indians showed them where they got it from, and there has
2	been a tremendous amount of exploration there, but no
3	major ore body found except on the west side, which they
4	found a massive gold deposit there that Tenneco drilled.
5	Q On the west side of
6	A Mineral Mountain.
7	Q We're going to step back a little bit. You
8	stated Jacob Hamblin was a resident of Santa Clara?
9	A Yes, he was.
10	Q And he had interactions with the Paiute band?
11	A Absolutely.
12	Q Was Jacob Hamblin approximately when was
13	Jacob Hamblin in the area?
14	A I could not tell you that.
15	Q Was he an early settler?
16	A Definitely.
17	Q Was he one of the original settlers of the
18	greater St. George area?
19	A Yes.
20	Q Approximately when was the gold you stated
21	that there was Tenneco drilled for gold on the west
22	side of Mineral Mountain?
23	A Yes, they did.
24	Q Approximately when did that occur?
25	A At the time they operated the Gold Strike

1	
1	property.
2	Q Which would have been in the 1990s?
3	A Yes.
4	Q Early 2000s I believe we said?
5	A Yes.
6	Q And if we haven't said that, approximately what
7	decade would have that been?
8	A In 1990s, 2000s.
9	Q Sorry, that was so blatantly leading. Are you
10	aware of any other mineral extraction operations in the
11	Mineral Mountain area?
12	A No, I am not.
13	Q You stated that your family has had several
14	claims in that area?
15	A Absolutely. We took the Model J Joy and a Cat
16	and built roads in there and did some drilling.
17	Q Okay. Let's go back. So when was the first
18	claim that your family had in the Mineral Mountain area?
19	A The first claim would have been the Sunnybrook.
20	That's where my dad started from. That's the main one.
21	Q Approximately when would that have started?
22	A That started during the war.
23	Q During which war?
24	A Second World War.
25	Q How large was that claim?

1 Twenty-seven claims. А 2 Q When you say -- when you say a claim, can you 3 describe for the record what that entails? 4 А I'm not sure. It's been so long. I believe 5 it's 600 by 1,200, but I am not positive of that. I'd 6 have to review it. 7 You mean 600 feet by 1,200 feet? 0 Yes. I could be wrong on that. I'd have to 8 А 9 review that. 10 And your father had 27 claims? Q He had 27 claims. 11 А Did he have all of those during the time of 12 0 13 Sunnybrook? 14 They were the 27 claims were on the А Yes. 15 Sunnybrook. Then he had -- whoops. 16 Can you point to us on the map where those --0 17 sorry, one more question before we do that. Were those 18 27 claims adjacent to each other? 19 Yes, they were. А Can you point to us on the map where that was? 20 0 21 We have Mineral Mountain? 2.2 Α Yeah, but you were on the Beaver Dam west of 23 the Beaver Dam in here, and those claims would be -- this 24 be the dugway here, those claims would be about right 25 there.

1	Q Okay. The witness
2	A That road ends at the cabin. So it's right
3	there.
4	Q So the witness is indicating a portion
5	somewhere between a half mile and a mile south from the
6	end of the Beaver Dam Wash Road. Does that sound
7	correct, Jack?
8	A That is correct.
9	Q I'm going to mark that as an SB for Sunnybrook,
10	and you just stated that there was a cabin on that road?
11	A There are two cabins at the end of the road.
12	Q Whose cabins are those?
13	A One, the first one was built during the 1940s
14	by my brother. It is still there. Milt Holt, my cousin
15	who become a world famous lion hunter and catered to
16	people all over the world, the wealthy, because he
17	guaranteed them a lion. And he took them out and he
18	built the other cabin across the creek from my brother's.
19	Q Approximately what year did Milt Holt build his
20	cabin?
21	A In the 50s.
22	Q And sorry, what was your brother's name that
23	built the cabin?
24	A Leo.
25	Q I'm going to mark at the end of the road at the

1 end of Beaver Dam Wash Road 0006, HC, for Holt cabins. 2 So we have discussed, just to recap, the Gold Strike 3 mining operation in the 90s and 2000s, the Sunnybrook 4 claims that your father had during the time of World War 5 Two. Did he continue mining that for some time? 6 А He prospected it and done some digging on it, 7 but that was done -- the incline shaft goes plum through 8 the top of the mountain. And when you get inside there 9 are two drifts, one to the south and one to the north. 10 It was during the time that this was done was before 11 dynamite, because I found the rings in excavating off 12 from the black powder. Also on the Dobbin Wash, which is on the west 13 14 side of the Sunnybrook Ridge, I was setting there with my 15 prospecting buddy, Paul Lamareux, on the edge of the 16 water up on a big rock up there on Bull Mountain, and I 17 heard this coyote yapping, and I heard this rabbit 18 squealing, and we stayed still and this coyote come after 19 that rabbit right there, and all of a sudden that rabbit 20 turned and went into a hole. And I looked at that hole, 21 and this is the bottom of Dobbin Wash. And I looked at 2.2 that rabbit hole, and I said that's utterly impossible 23 because that's solid ledge there. 24 There is a little alluvial that's rolled down.

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I was curious enough that I went plum back up to the top

25

of Sunnybrook ridge and got my shovel and came down and dug in that hole. I hadn't spent 15 minutes, and I come to the top of a tunnel. And yet there is not a sign of a dump in the wash, because they dumped in the wash and the flash floods had carried it away.

And me and Paul Lamareux went in that that afternoon, and we got about two-thirds of the way back in there, and I was starting to sweat and my heart was racing, so we moved back out and went back to the cabin so it could air out that night.

Then we went back in it again, and they had --11 12 people that had dug the Sunnybrook had put this drift in, 13 and they had hit the main vein of the Sunnybrook ore. And at the back of that main vein there is a ladder 14 15 leaning up with hand-hewn nails, and the ladder is all 16 cut from oak. And I can even show you where the oak come 17 from. And they made rails that they had their ore cars 18 pushed on out of oak. And I have a piece of that oak.

19 Q And so from your personal experience exploring 20 that Sunnybrook mine, approximately when would you say 21 that they were mining that?

A They were mining that -- they were exploring and attempting to mine it about the same time of Silver Reef.

25

Q Prior to the Second World War?

1	A Yes.
2	Q Are you aware of any other mineral extraction
3	operations on or around Mineral Mountain?
4	A Ross Matthews has drilled up there for silver.
5	Q Approximately when was that?
6	A After the war.
7	Q Was that after 1976?
8	A No, that was before.
9	Q Okay. So we have Ross Matthews. Were there
10	any other operations that you were aware of up there?
11	A Yes. Old man Knight, who founded Knightville
12	up north and had the fabulous lions, he married Celt
13	Hafen's grandmother's sister. And during the wintertime
14	he came down to the ranch, and he dug a shaft into Pine
15	Mountain that's scary to even get in there.
16	Q Where is Pine Mountain located at?
17	A Pine Mountain is located this side of Barclay.
18	Q I'm sorry, is it on the map?
19	A Okay. We run out here, Beaver Dams, this is
20	Cougar Pass, and we're going up the head of the Beaver
21	Dams. It would be over in here somewhere. What does
22	that say right there?
23	Q That's the Matthews Ranch Road.
24	A Matthews Ranch Road, okay. And then that goes
25	on over into Barclay.

Г

1	Q So Barclay is in the state of Nevada?
2	A Yes, it is.
3	Q And at this time I'm just getting for when we
4	get over to this area, and maybe we can just wait until
5	we do that, names of different peoples that mined this
6	area and different operations and the time to help us
7	orient ourselves on all these roads over here. Are you
8	aware of any other mineral extraction that occurred on or
9	around Mineral Mountain prior to 1976?
10	A No, I am not.
11	Q Okay. That's just fine. Let's go ahead and
12	take a break.
13	MS. BORGESON: It's 9:44.
14	(Short break was taken.)
15	MR. CLARK: Back on the record.
16	MS. BORGESON: It's 9:54 a.m.
17	Q Okay. Jack, we are going to start with the
18	Beaver Dam Wash Road number 0006, that is on this map in
19	this portion of the county. That's on the map on Exhibit
20	Number 1 that the county, the western half of Washington
21	County map is being used. Are you familiar with the
22	Beaver Dam Wash Road?
23	A Absolutely.
24	Q When was the first time that you remember being
25	on that road?

