

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8693

Exam Date: 8/30/2012

1. Current Owner: FRANCES SKELTON
2958 THAYER BRIDGE CIRCLE
IDAHO FALLS ID 83402
(208)522-5405

And

LEON SKELTON
2958 THAYER BRIDGE CIRCLE
IDAHO FALLS ID 83402
(208)522-5405

2. Accompanied by: Leon Skelton, Lawrence Kimble (Watermaster), and Nathan Erickson (IDWR Agent)

Phone No: Same as above

Address: Same as above

Relationship to Permit Holder: Current Owner

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-759, 37-761B, and 37-762 (all from East Fork of Fish Creek)
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER NW1/4SW1/4

Sec. 1, Twp 01N, Rge 22E, B.M.

BLAINE County

Method of Determination: Aerial photography, GPS, and site visit

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
01N	22E	1							15.0	7.0	21.0	22.0				30.0			95.0
01N	22E	2													13.0				13.0

Total Acres: 108

Method of Determination: Arcmap and aerial photography, and site visit.

D. FLOW MEASUREMENTS

Documentation was provided by the watermaster, Lawrence Kimble from water district 37U, of the amount of water delivered to Mr. Skelton and measured thru a 12 inch Cippoletti Weir at 5.5 inches of head.

The Water Measurement Manual by the U.S Department of the Interior Bureau of Reclamation, Third Edition, Table A7-5 page A-10, discharge of standard Cipoletti weirs in ft³/sec, equals 1.05 cfs for a 1 foot Cipoletti weir with 5.5 inches of head ($5.5/12 = .458$ H,ft).

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

Measured Method: None

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 108 \text{ acres} \times 3.5 \text{ afa} = 378.0 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.0 \text{ cfs} \times 200 \text{ days} \times 1.9835 = 396.7 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 378.0 \text{ af}$$

G. NARRATIVE/REMARKS/COMMENTS

Application for Permit 37-8693 was applied for on November 11, 1990 by A.J. Donelson Morrow to appropriate up to 2.0 cfs for the irrigation of up to 108 acres from an existing well approximately 7.5 miles east and 9.5 miles north of Carey. Application for permit 37-8693 was approved on July 2, 1991 and proof of beneficial use was filed on June 6, 1994. In July of 1997, Permit 37-8693 was assigned to Leon and Frances Skelton by A.J. Donelson Morrow.

Permit 37-8693 is to be considered as supplemental ground water to the existing East Fork Fish Creek water rights as the farm has historically been short of water, as stated on the application. Note that the place of use for the East Fork Fish Creek water rights does not entirely match the recommended place of use for this license. This is because the East Fork Fish Creek place of use reflects 1987 development via the SRBA. It appears that the system has been modified since 1987 due to instillation of sprinkler systems. The recommended place of use for this license is based on field investigation and aerial photography just prior to proof of beneficial use being filed.

The system was developed with a 15 hp submersible pump and a 15 hp booster pump to supply the irrigation system. At the time of the field exam the irrigation system was inoperable and not currently in use, therefore a measurement was not taken. However the watermaster submitted documentation to show amount of flow measured from the well (see attached document)

An aerial photo was used as a base map when the site visit was conducted, to determine the extent of irrigation for the place of use. The irrigation system consisted of two full pivots, one half pivot, wheel lines and hand lines, as shown on map.

The owner was granted a waiver for the condition on the permit requiring a flow measurement port or device as specified by the Department to be installed to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department (see June 24, 1994 order in file).

I recommend this right to be approved for 1.0 cfs for the irrigation of 108 acres with an annual volume of 378.0 af.

Have conditions of permit approval been met? _____Yes _____No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/15 to 10/31	1.000 CFS	378.0 AF
	<u>Totals:</u>	1.000 CFS	378.0 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Benny Walker Date 6/6/13

Reviewer [Signature] Date 6/27/13

Photos for 37-8693 Field Exam



Pac Man Pivot located in the NESW, and the NWSE of Section 1

Wheel line located on the east side of the above pivot in the NWSE of Section 1



Wheel line located west side of the above pivot in the NESW of Section 1



Photos for 37-8693 Field Exam



$\frac{1}{2}$ Pivot located in the SWNW of Section 1

Full Pivot located in the NWSW of Section 1



Point of Diversion



RECEIVED

SEP 12 2012

DEPT. OF WATER RESOURCES
SOUTHERN REGION

Leon Skelton

Well
37-8693

Cippolletti Weir 12" @ 5 1/2 Head Inches = 50 minutes for 1 Sec ft

year	Days Ran	total Inches	total Sec ft
1999	3 days	150"	3
May		200"	14
Jun	14	500"	10
July	10	400"	8
Aug	8	600"	12
Sep.	12		
2000			
May	4	200"	4
Jun	6	300"	6
July	22	1100"	22
Aug	18	900"	18
2001			
May	2	100"	2
Jun	4	200"	4
July	3	150"	3
2002			
Jan	4	200"	4
July	3	150"	3
2003			
Jan	9	450"	9
July	9	450"	9
Aug.	5	250"	5
2004			
Jan	3	150"	3
July	3	150"	3

WELL DRILLER'S REPORT

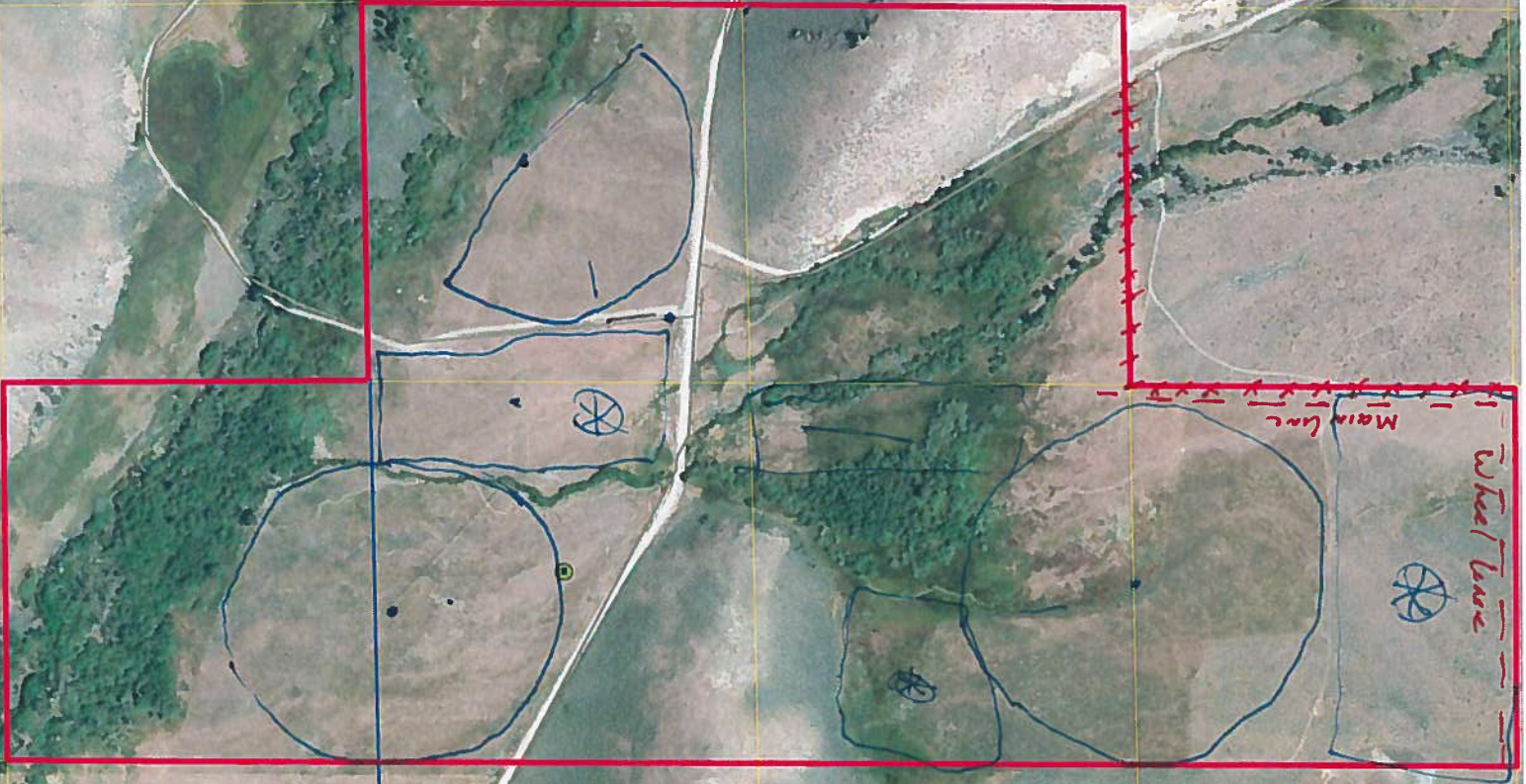
State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

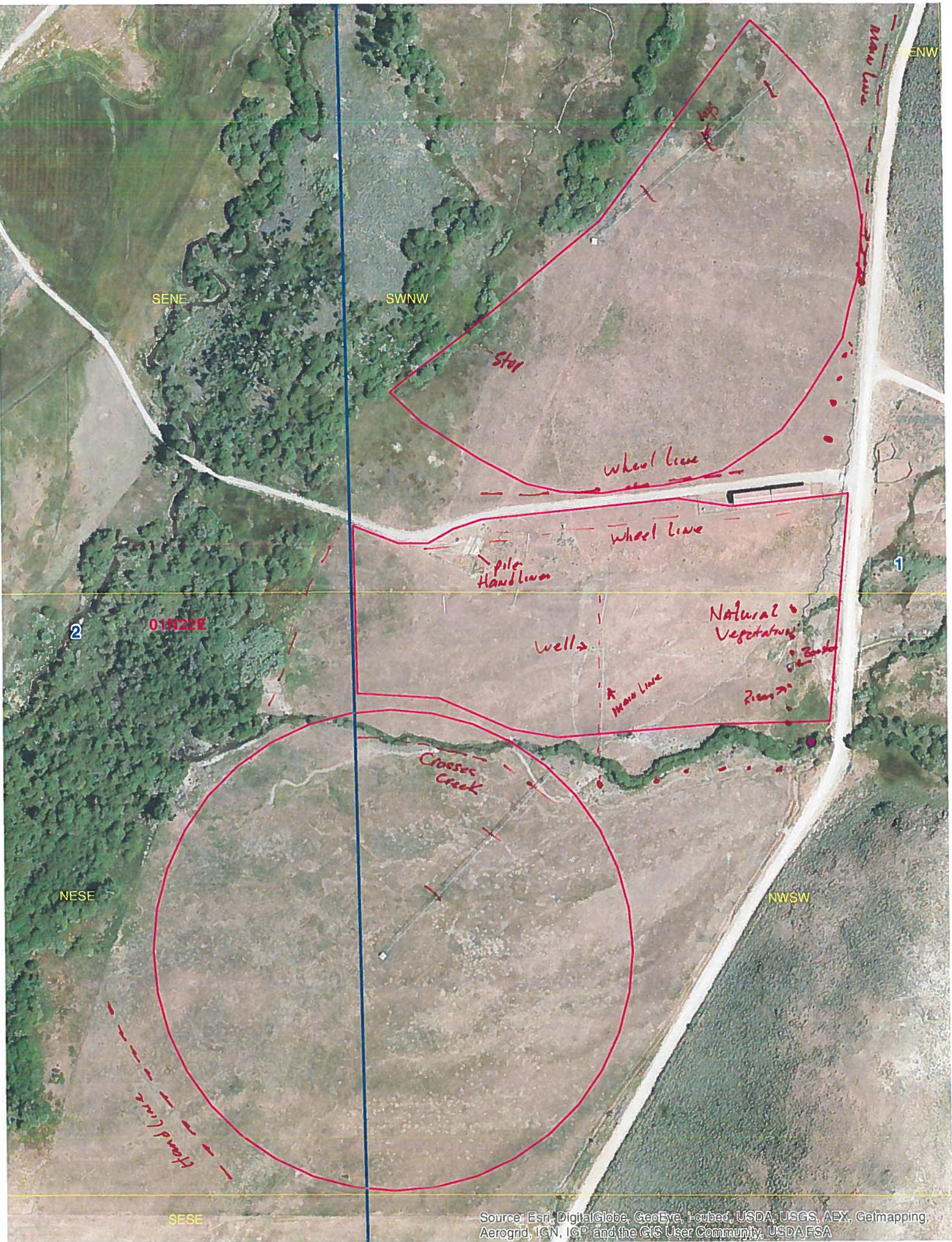
1. WELL OWNER 783-3142 Ext 7564 Ash Creek Ranch Name <u>Don Morrow</u> Address <u>Box 357 Cary, Id 83320</u> Drilling Permit No. <u>37-91-5123</u> Water Right Permit No. <u>37-08693</u>		7. WATER LEVEL Static water level <u>60'</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality _____ Describe artesian or temperature zones below.																																																																													
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Well diameter increase ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)		8. WELL TEST DATA ☐ Pump ☒ Bailer ☐ Air ☐ Other _____																																																																													
3. PROPOSED USE ☐ Domestic ☒ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)		<table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped																																																																									
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4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____		9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Bore Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>110"</td><td>0'</td><td>12'</td><td>Topsoil Large Rocks</td><td>✓</td><td> </td></tr><tr><td> </td><td>12'</td><td>27'</td><td>Gravel, Sand</td><td>✓</td><td> </td></tr><tr><td> </td><td>27'</td><td>35'</td><td>Clay, Conglomerate rock</td><td>✓</td><td> </td></tr><tr><td> </td><td>35'</td><td>58'</td><td>Gravel, Sand</td><td>✓</td><td> </td></tr><tr><td> </td><td>58'</td><td>62'</td><td>Conglomerate rock, gravel</td><td>✓</td><td> </td></tr><tr><td> </td><td>62'</td><td>84'</td><td>Gravel, sand</td><td>✓</td><td> </td></tr><tr><td> </td><td>84'</td><td>103'</td><td>cemented gravel + sand</td><td>✓</td><td> </td></tr><tr><td> </td><td>103'</td><td>122'</td><td>sand + gravel</td><td>✓</td><td> </td></tr><tr><td> </td><td>122'</td><td>126'</td><td>cemented gravel</td><td>✓</td><td> </td></tr><tr><td> </td><td>126'</td><td>135'</td><td>Sand + gravel</td><td>✓</td><td> </td></tr><tr><td> </td><td>135'</td><td>140'</td><td>clay</td><td>✓</td><td> </td></tr></tbody></table>		Bore Diam.	Depth		Material	Water		From	To	Yes	No	110"	0'	12'	Topsoil Large Rocks	✓			12'	27'	Gravel, Sand	✓			27'	35'	Clay, Conglomerate rock	✓			35'	58'	Gravel, Sand	✓			58'	62'	Conglomerate rock, gravel	✓			62'	84'	Gravel, sand	✓			84'	103'	cemented gravel + sand	✓			103'	122'	sand + gravel	✓			122'	126'	cemented gravel	✓			126'	135'	Sand + gravel	✓			135'	140'	clay	✓	
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5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ Thickness _____ inches Diameter _____ inches From _____ feet To _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☒ Yes ☐ No How perforated? ☐ Factory ☒ Knife ☐ Torch ☐ Gun Size of perforation <u>250</u> inches by <u>3</u> inches Number _____ From _____ To _____ <u>800</u> perforations <u>130</u> feet <u>60</u> feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>12'</u> Material used in seal: ☐ Cement grout ☐ Bentonite ☒ Pudding clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld _____ ☐ Cemented between strata Describe access port <u>2"</u>		10. Work started <u>09/10/91</u> finished <u>12/23/91</u>																																																																													
6. LOCATION OF WELL Sketch map location <u>must</u> agree with written location. <table border="1"><tr><td>N</td><td></td><td></td><td></td><td></td></tr><tr><td>W</td><td></td><td></td><td></td><td>E</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td>S</td><td></td><td></td><td></td><td></td></tr></table> County <u>Blaine</u> Subdivision Name _____ Lot No. _____ Block No. _____ NW ¼ SW ¼ Sec. <u>1</u> T. <u>ONE</u> R. <u>22</u>		N					W				E						S					11. DRILLERS CERTIFICATION We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>VOLMER WELL DRILLING</u> Firm No. <u>383</u> Address <u>PP. Box 2 83210</u> Date <u>12/06/91</u> Signed by (Firm Official) _____ and _____ (Operator)																																																									
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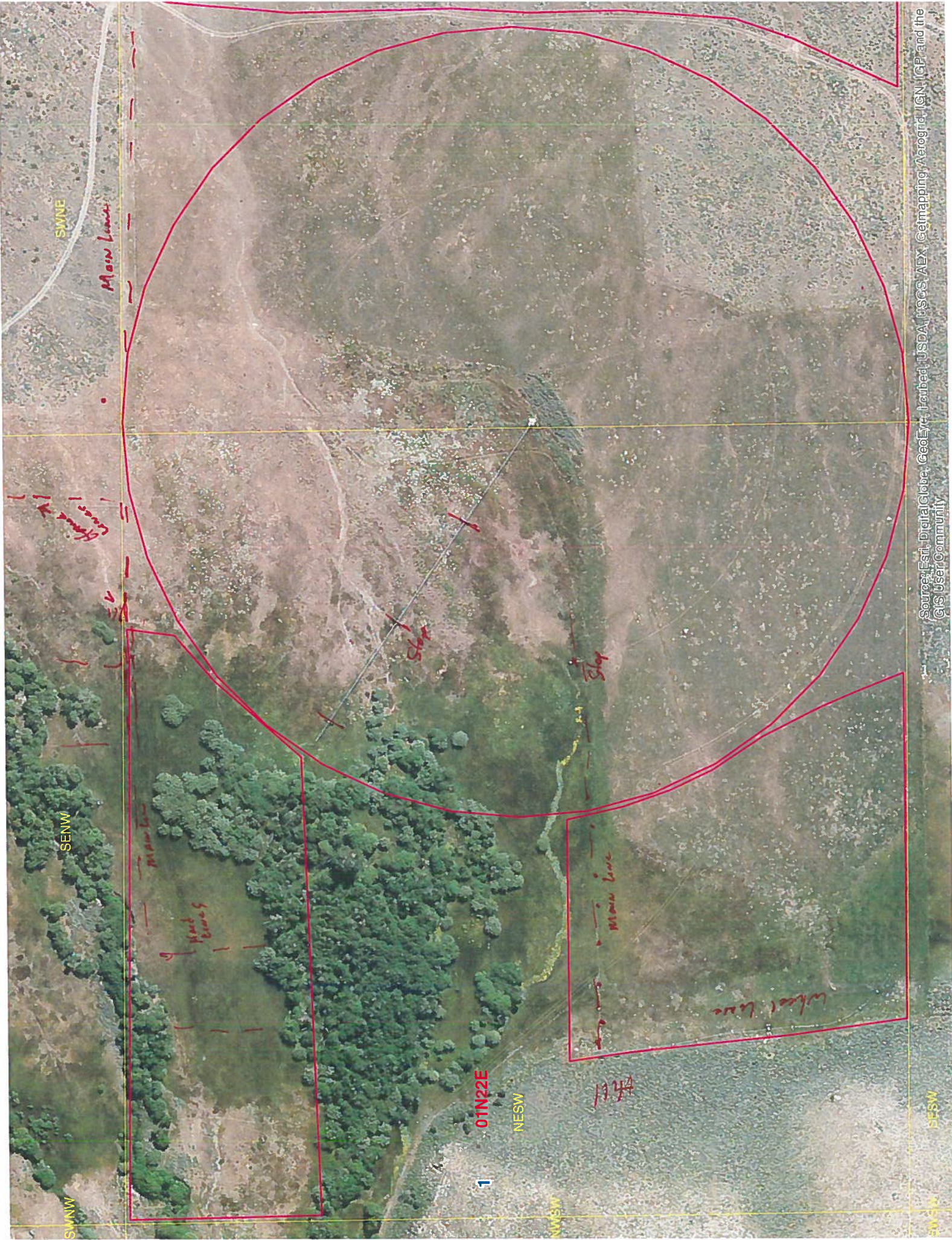
2011

Main Lane

Wheel Lane









SWNE

SENE

NWSE

wheel line

NESE

1

01N22E

SWSE

SESE