STATE OF NEVADA
DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 113727
Permit No. 78823
Basin 009
>AND 79859T

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Please complete this form it its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 66150

1. OWNER RUBY PIPELINE LLC
MAILING ADDRESS 2N NEVADA AVE COLORADO SPRINGS, COLORADO
ADDRESS AT WELL LOCATION NO PHYSICAL ADDRESS MILE POST 572.5 RUBY PIPELINE

2. LOCATION NE¼ NE ¼ Sec 33 T 45 N S R 19 E
PERMIT/WAIVER No. 79859T (Issued by Water Resources) Parcel No. N/A
Latitude 41.785090° Longitude -119.851885° Subdivision Name: N/A
UTM E ____ N ____ ☐ NAD 27 ☒ NAD 83/WGS 84
County: WASHOE

3. WORKED PERFORMED
☒ New Well ☐ Replace ☐ Recondition ☐ Deepen ☐ Other...

4. ✓CONSTRUCTION PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test ☒ Municipal/Industrial ☐ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☒ Rotary ☐ RVC ☐ Air ☐ Other...

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
BROWN SILTY CLAY/GRAVEL	NO	0	20'	20'
3/4" GRAVEL & SAND	YES	20'	40'	20'
BROWN CLAY	NO	40'	50'	10'
GREY ROCK	NO	50'	80'	30'
RED ROCK	YES	80'	130'	50'
BLACK/RED ROCK W/FLAKES WHT	NO	130'	220'	90'
BASALT WEATHERED	YES	220'	460'	240'
BASALT W/ RED & GREY CLAY	NO	460'	470'	10'
BLACK SHALE	NO	470'	520'	50'
GREY & BLACK SHALE	NO	520'	550'	30'
GREEN SHALE	NO	550'	560'	10'
RED SHALE	NO	560'	570'	10'
ROCK BLACK	YES	570'	640'	70'
GREY ROCK	YES	640'	690'	50'
GREY & BLACK ROCK	YES	690'	720'	30'
GREY SHALE	NO	720'	750'	30'
BLACK ROCK	YES	750'	760'	10'
GREY ROCK	YES	760'	970'	210'
GREY CLAY	NO	970'	990'	20'

Date started NOVEMBER 28, 2010
Date completed FEBRUARY 14, 2011

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☒ Pump ☐ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
PUMP	100	536.30	2
PUMP	88	535.35	2
PUMP	85	543.65	2

8. WELL CONSTRUCTION
Depth Drilled 990' Feet Depth Cased 990' Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
32"	Inches	0	Feet	50'	Feet
22"	Inches	50'	Feet	990'	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
24"	94.71	.25 / 1/4"	0	50'
16"	62.64	.375 / 3/8"	50'	990'

Perforations:
Type of perforation MILL SLOT
Size of perforation .100
From 670 feet to 970 feet
From ____ feet to ____ feet
From ____ feet to ____ feet
From ____ feet to ____ feet
From ____ feet to ____ feet
From ____ feet to ____ feet

Surface Seal: ☒ Yes ☐ No
Depth of Seal 102'
Placement Method: ☒ Pumped ☐ Poured
Seal Type: ☒ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Gravel Packed: ☒ Yes ☐ No
From 102' feet to 990' feet

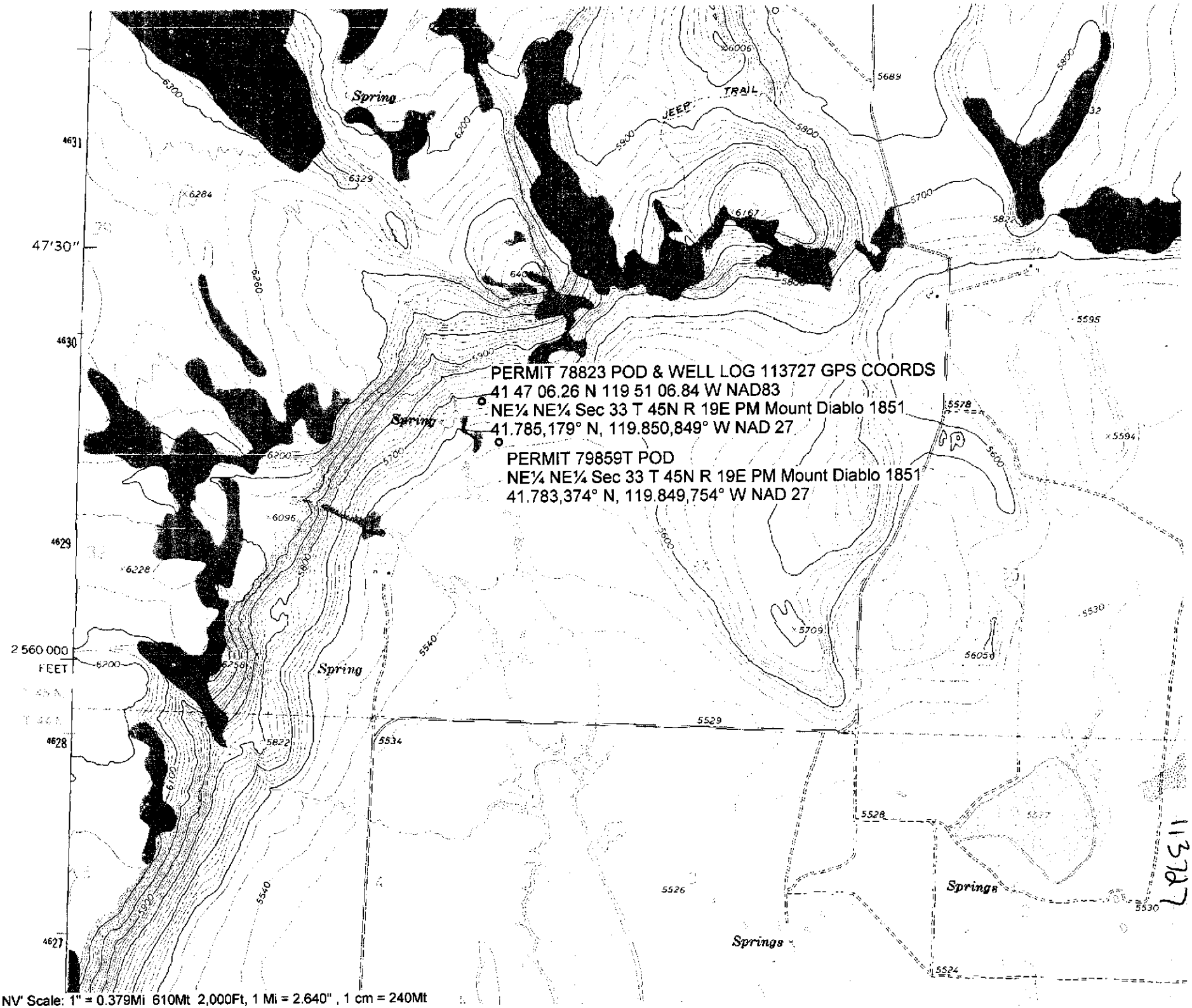
9. WATER LEVEL
Static water level 62.59 feet below land surface
Artesian flow NONE G.P.M N/A P.S.I
Water temperature U/K °F Quality GOOD

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name LAVE CHRISTENSEN CO. (Contractor)
Address 11001 ETIWANDA AVE (Contractor)
FONTANA, CA. 92337
Nevada contractor's license number issued by the State Contractor's Board 0019101
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2013
Signed ____ (By driller performing actual drilling on site or contractor)
Date MARCH 27, 2011

(Rev. 06/10)

USE ADDITIONAL SHEETS IF NECESSARY

41.785197°N
119.850834°W
NAD 27 (TA)



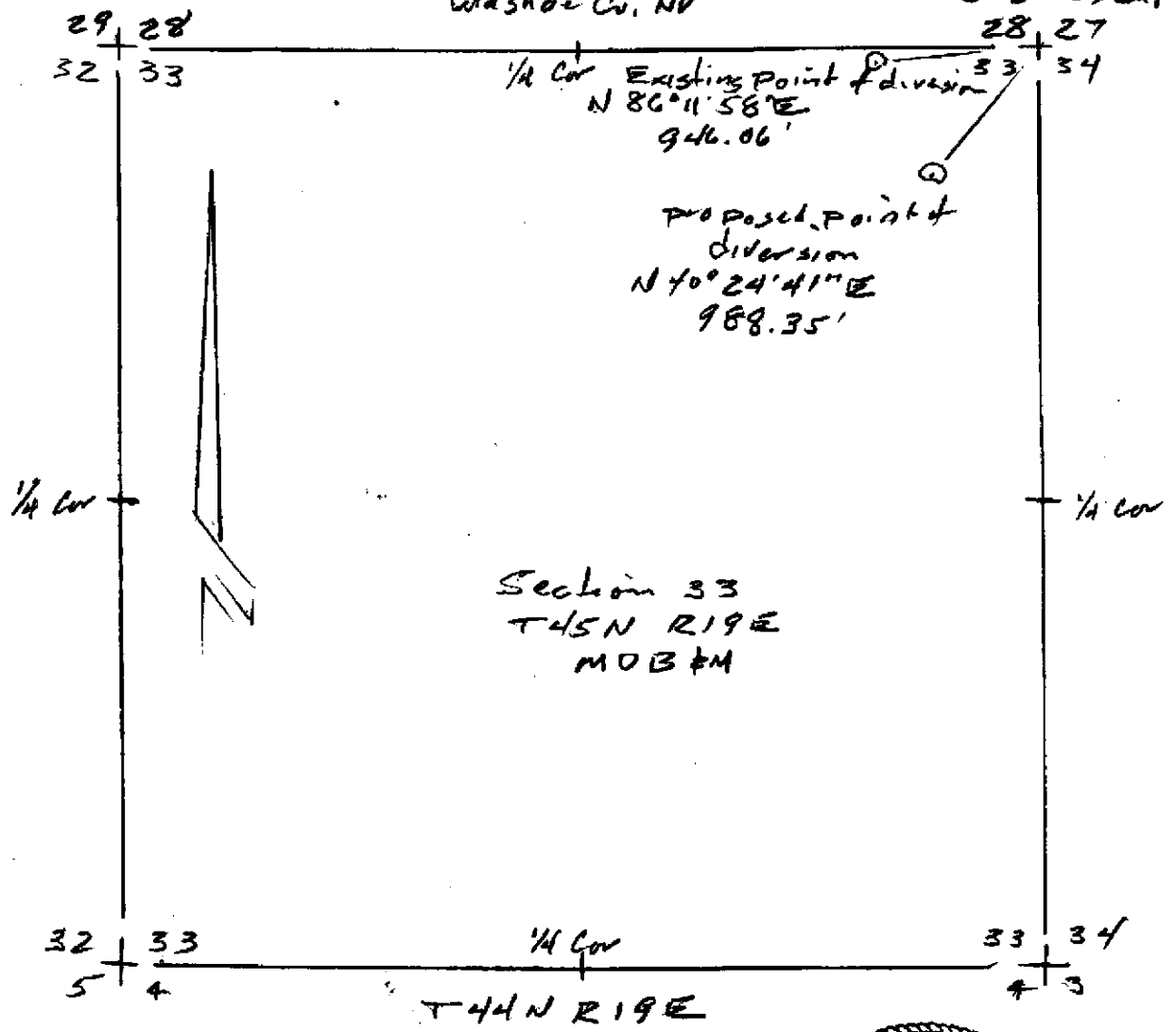
'Mosquito Valley; NV' Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640" , 1 cm = 240Mt

113727

MAP to Accompany Temporary
Change Application of Permit 78823
For Construction Use by

Ruby Pipeline LLC
Washoe Co. NV

BLM Marker
3" Brass Cap



0 500 1000
Scale 1" = 1000'

REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA
R. MICHAEL TURNIPSEED
CIVIL
No. 5638

6/10/10

FILED
MAY 19 2010
STATE ENGINEER'S OFFICE

79859 T
80493T

3-0235 — 50 SHEETS — 5 SQUARES
3-0236 — 100 SHEETS — 5 SQUARES
3-0237 — 200 SHEETS — 5 SQUARES
3-0137 — 200 SHEETS — FILLER
COMET