Analytical Service Request & Chain of Custody Record for Environmental Samples page __ of __

Report to: APRIL STEGALL
Company: DOMINION ENERGY WEXPRO
Address: PO BOX 458, 2221 WESTGATE DRIVE
City,ST,Zip: ROCK SPRINGS, WY 82901
Phone: 307.352.7561 Fax: 307.352.7583
Email: april.stegall@dominionenergy.com
Prefer Results by: Fax / (Email) / Hard Copy (circle all that apply)

*Matrix: W-water, S-soil, SL-sludge, O-oil, G-gaseous, X-other:_____
**Preservation: T-4°C, A-acid_____, F-filtered, N-none, X-other:_____
TAT: (Standard) / Expedite _____ days (subject to fee/availability)
Project: HW Stewart 1 PO#: 71337

Please PRINT all information

Wyoming Analytical Laboratories, Inc
1660 Harrison St, Laramie, WY 82070, 307-742-7995, Fax 307-721-8956, wallaramie@aol.com
625 Center St, Rock Springs, WY 82901, 307-362-3176, Fax 307-362-3581, walrspgs@aol.com

	Sample ID	Date/Time	Matrix*	# of containers	Preservation**	custody seals?	Organics: SVOA, BNA, (PAH) (circle) by GC-MS 8270	Organics: VOA, (BTEX, GRO) (circle) by GC-MS 8260	Organics: BTEX, GRO, (DRO) Fuel ID (circle) by GC 8015	Organics: TPH (circle) 418.1, 1664, 8015, 8260	Organics:	Inorganics: F, Cl, NO2, NO3, NO2+NO3, Br, PO4, SO4, NH3 (circle)	Inorganics: Alkalinity, pH, cond, TDS, TSS, Turbidity (circle)	Inorganics: TOC, BOD, COD, H2S, Specific Gravity (circle)	Inorganics: See below	Metals: As Rec'd, Total, Dissolved, TCLP, WyoLeach. (circle)	Metals: Group1, Ba, RCRA, TRI, Cu, Pb, Hg, (List Below) (circle)	Metals:	Notes / Lab No.
1	100607 sample #1	8/17 10:30am	S	1			~~✓~~	✓	✓						~~✓~~		~~✓~~		
2	100608 sample #1	8/17 9:30am	S	5			✓	✓	✓						✓		~~✓~~		
3	100608 sample #2	8/17 10:10am	S	1				✓	✓								✓		
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Relinquished 1st	Print Name: April Stegall	Relinquished 2nd Print Name:
	Signature: April	Signature:
	Date/Time: 8/17 5:20 pm	Date/Time:
	Shipped VIA: GTC	Shipped VIA:
Received 1st	Print Name: Hope McCoy	Received 2nd Print Name:
	Signature: Hope McCoy	Signature:
	Date/Time: 8/17/17 1715	Date/Time:

WAL use only: Record discrepancies in sample condition upon receipt on WAL Doc#228 - SCUR

Special Instructions / Comments:

KEEP COOL
Metals: soluble boron, total (RCRA, Ni, Cu, Zn), Cr4, calculate Cr3
Inorganics: (saturated paste) Ca, Mg, Na, SAR, pH, conductivity

6.6°C

Date: 8.17.17

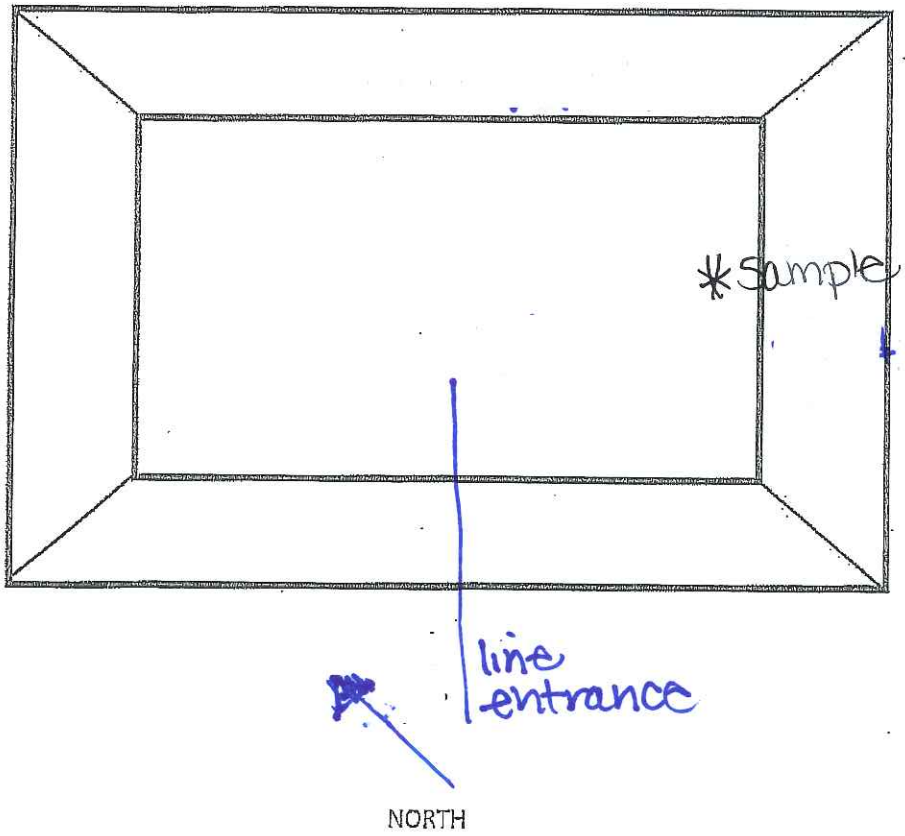
COLORADO PIT CLOSURE - SAMPLING MAP

WELL NAME: HW Stewart 1 - 100667

LEGEND

- ★ Pit Low Point - Sample Point
- ● Pit Side Wall - Sample Point
- □ Off Site - Sample Points (3)

Remember to put GPS coordinates on all sample sites



Sample gps: 40.95154, -108.32260
depth: approximately 7.6'

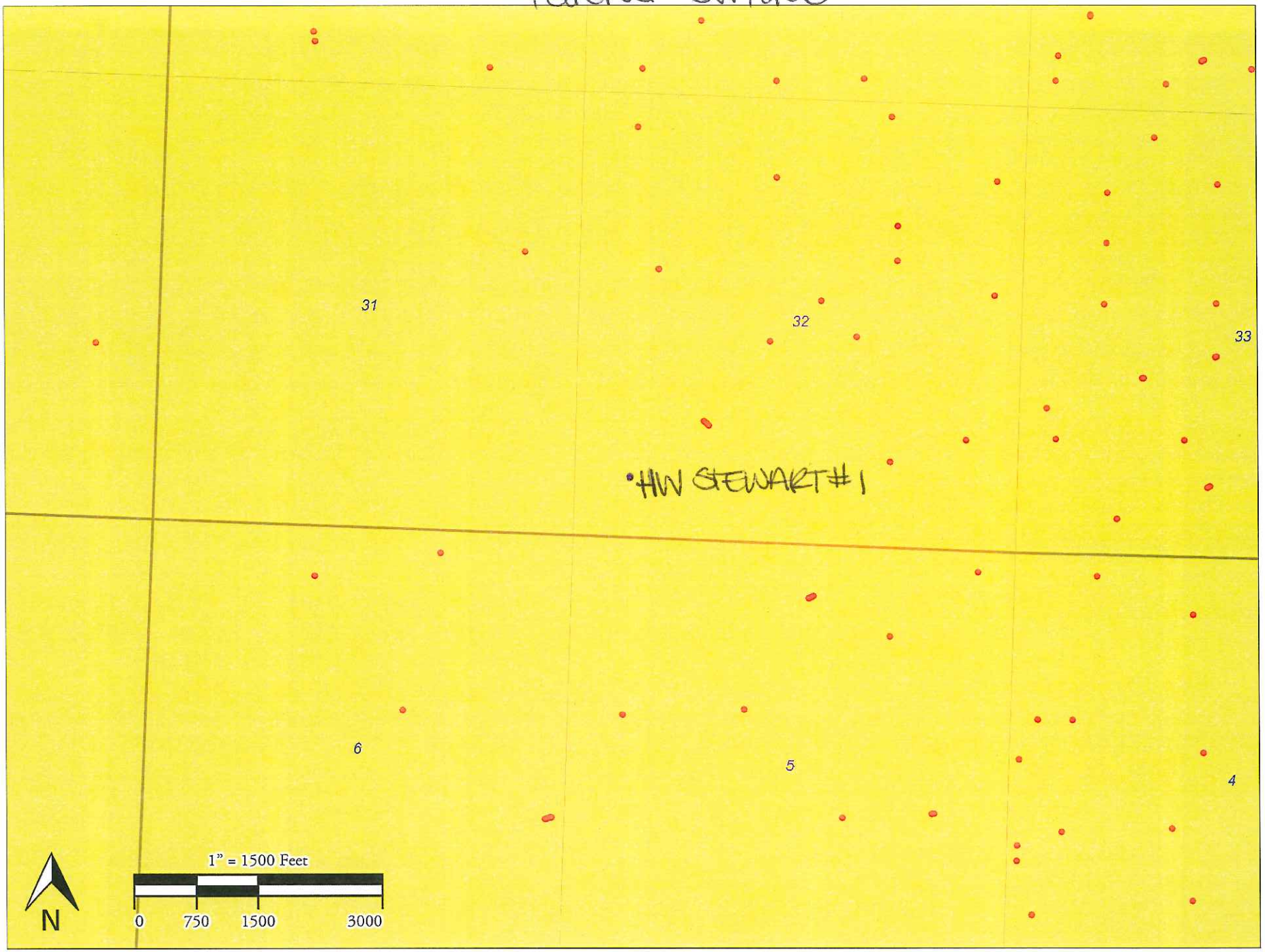
only one sample was taken as probable exceedance is expected. Remediation may be necessary.

X - No offsites

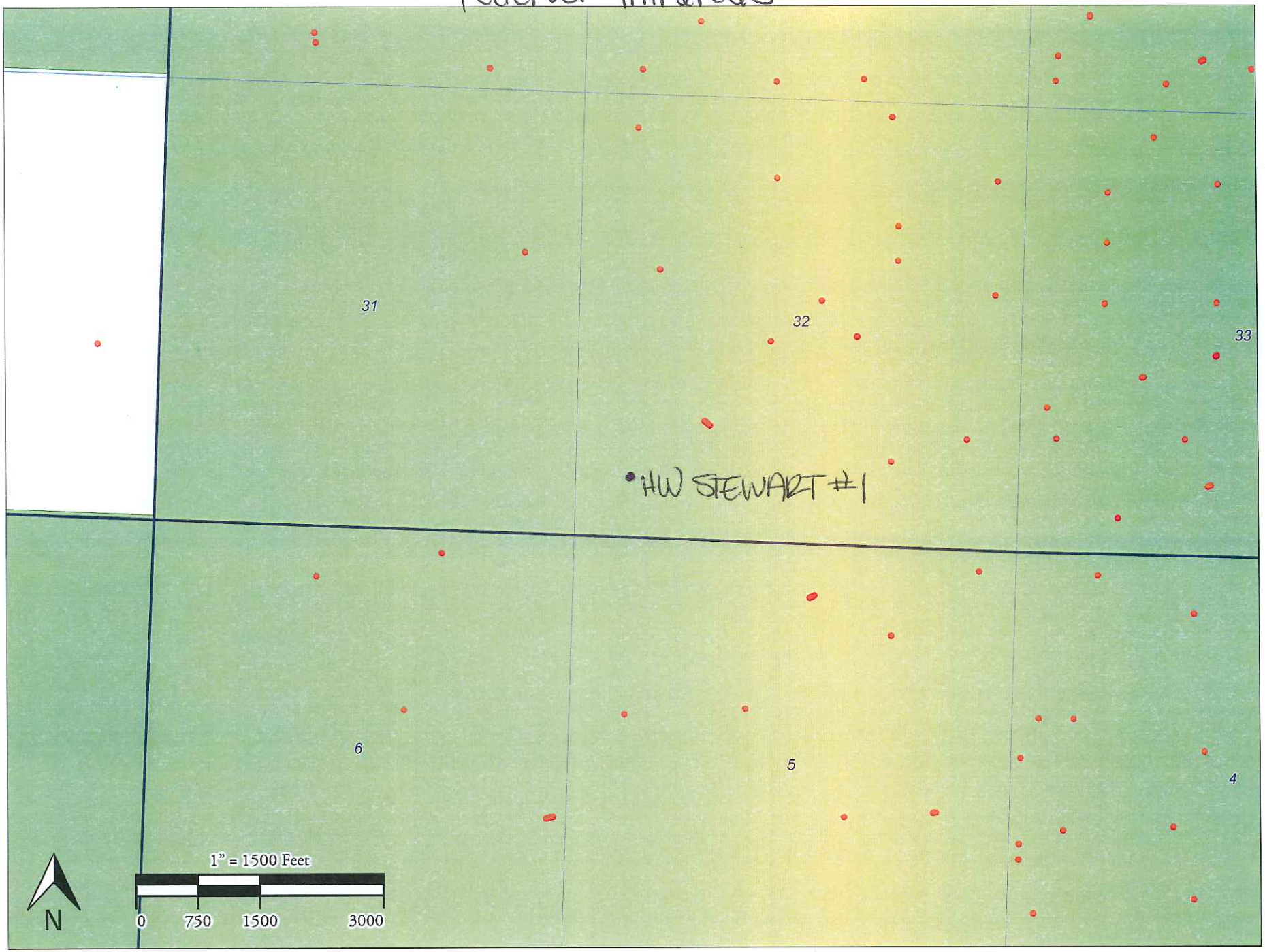

100667
sample location
Legend
40.95154, -108.32260
HW STEWART 1
Google earth
© 2017 Google
N
90 ft


100667 sample #1
historic imagery-2006
Legend
40.95154, -108.32260
HW STEWART 1
Google earth
Image USDA Farm Service Agency
N
100 ft

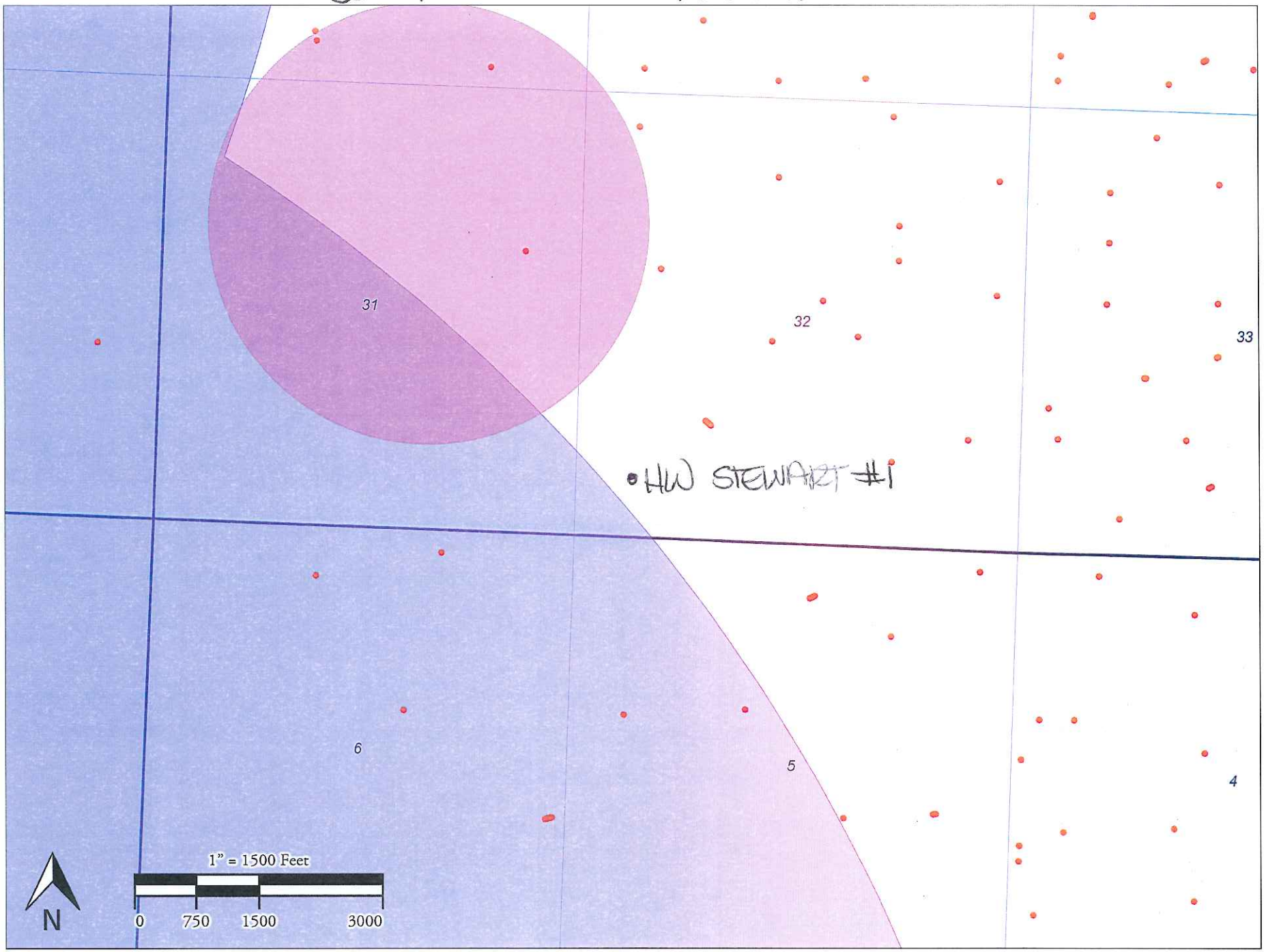
Federal surface



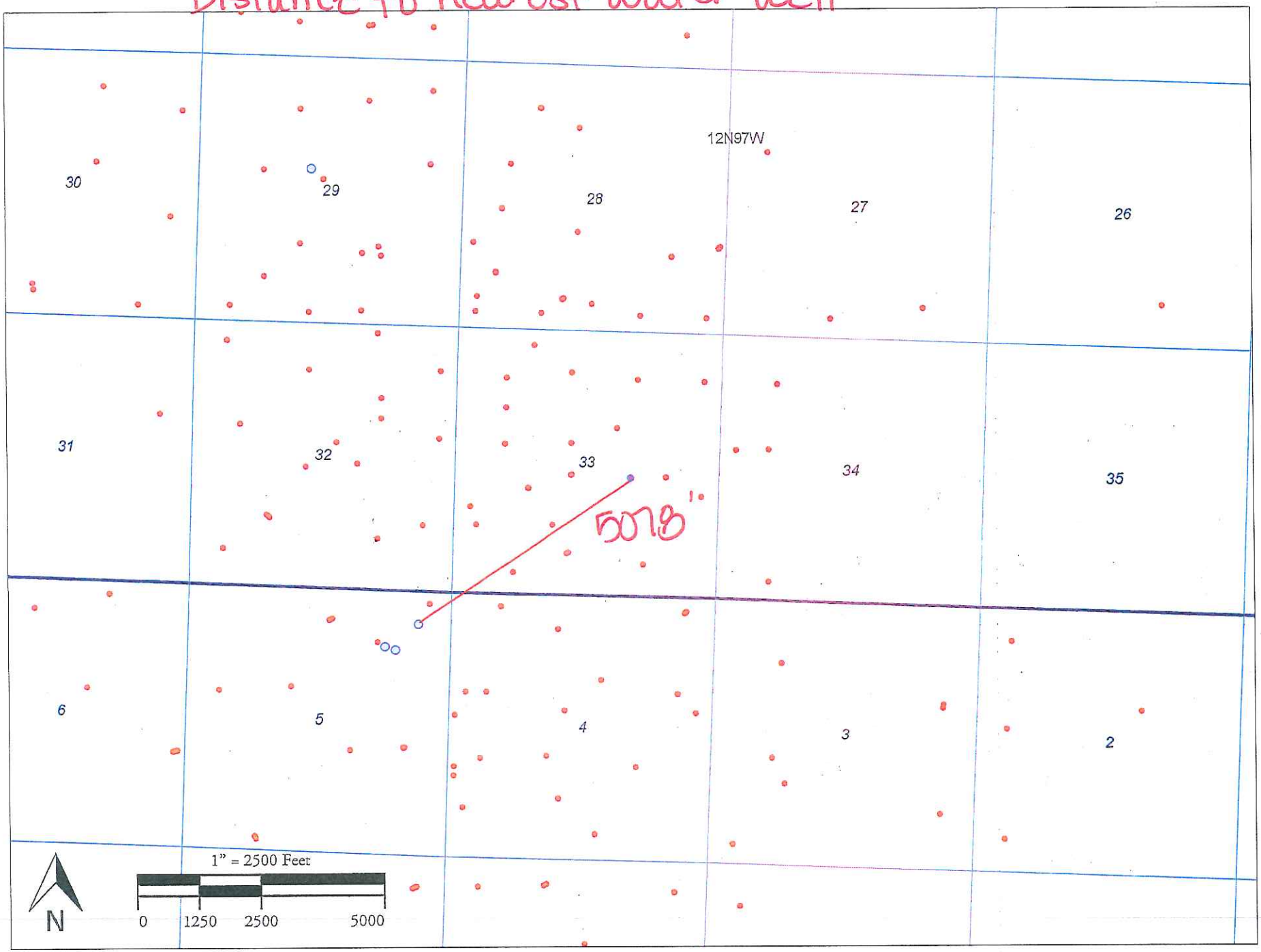
federal minerals



sensitive wildlife habitat



Distance to nearest water well



PUMP INSTALLATION REPORT

Pump Type: SUBMERSIBLE

Make: GRUNDFOS

Powered by: HATICHI HP: 15

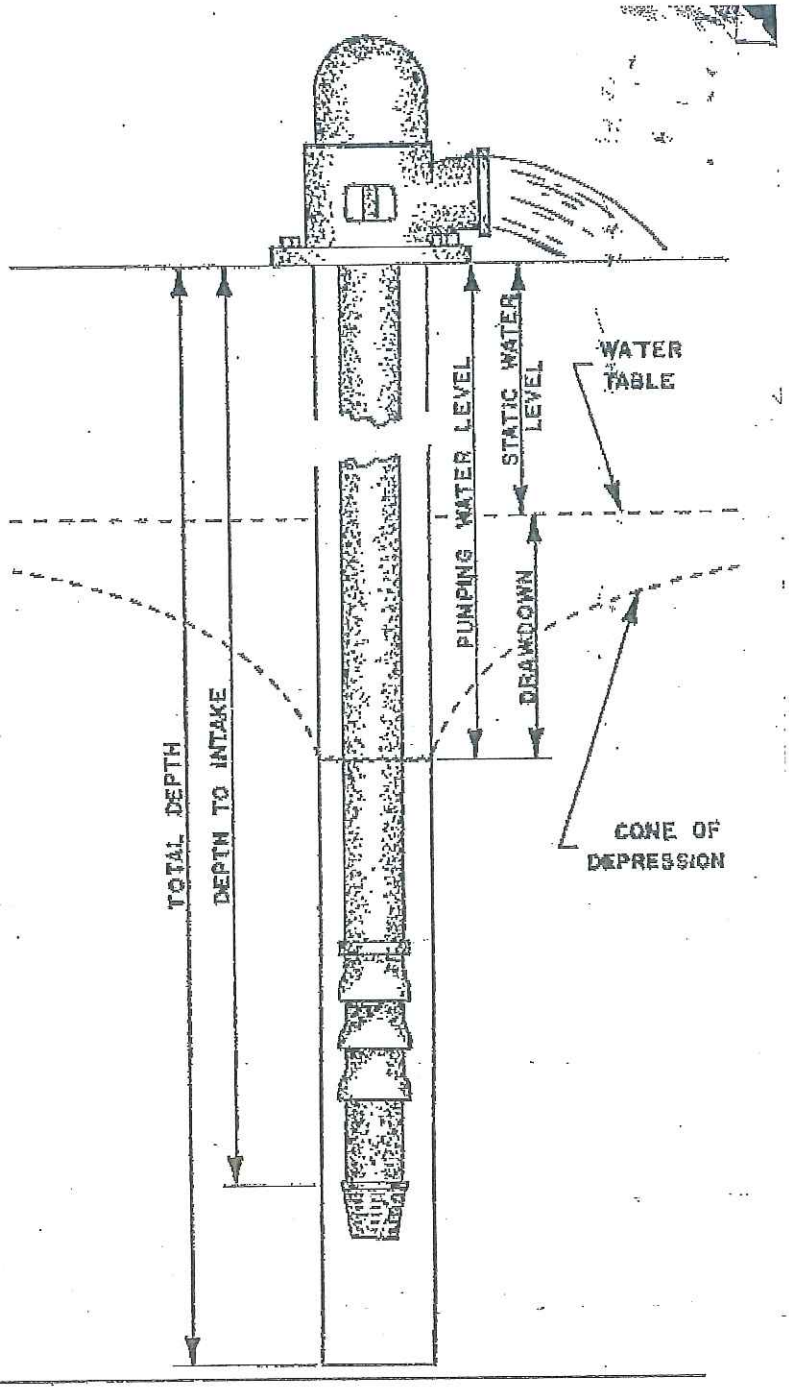
Pump Model No.: SP44DS

Motor Serial No.: _____

Date Installed: 1-22-90

Pump Intake Depth: 766'

Remarks: _____



WELL TEST DATA WITH PERMANENT PUMP

Date Tested: 1-22-90

Static Water Level Prior to Test: 639'

Length of Test: 1 Hours

Sustained yield (Metered): 37 GPM

Pumping Water Level: 761'

Remarks: _____

CONTRACTORS STATEMENT

The undersigned, being duly sworn upon oath, deposes and says that he is the contractor of the well or pump installation described hereon; that he has read the statement made hereon; knows the content thereof, and that the same is true of his own knowledge.

Signature: Howard W. Hitchie License No. 1023

State of Colorado, County of _____ SS

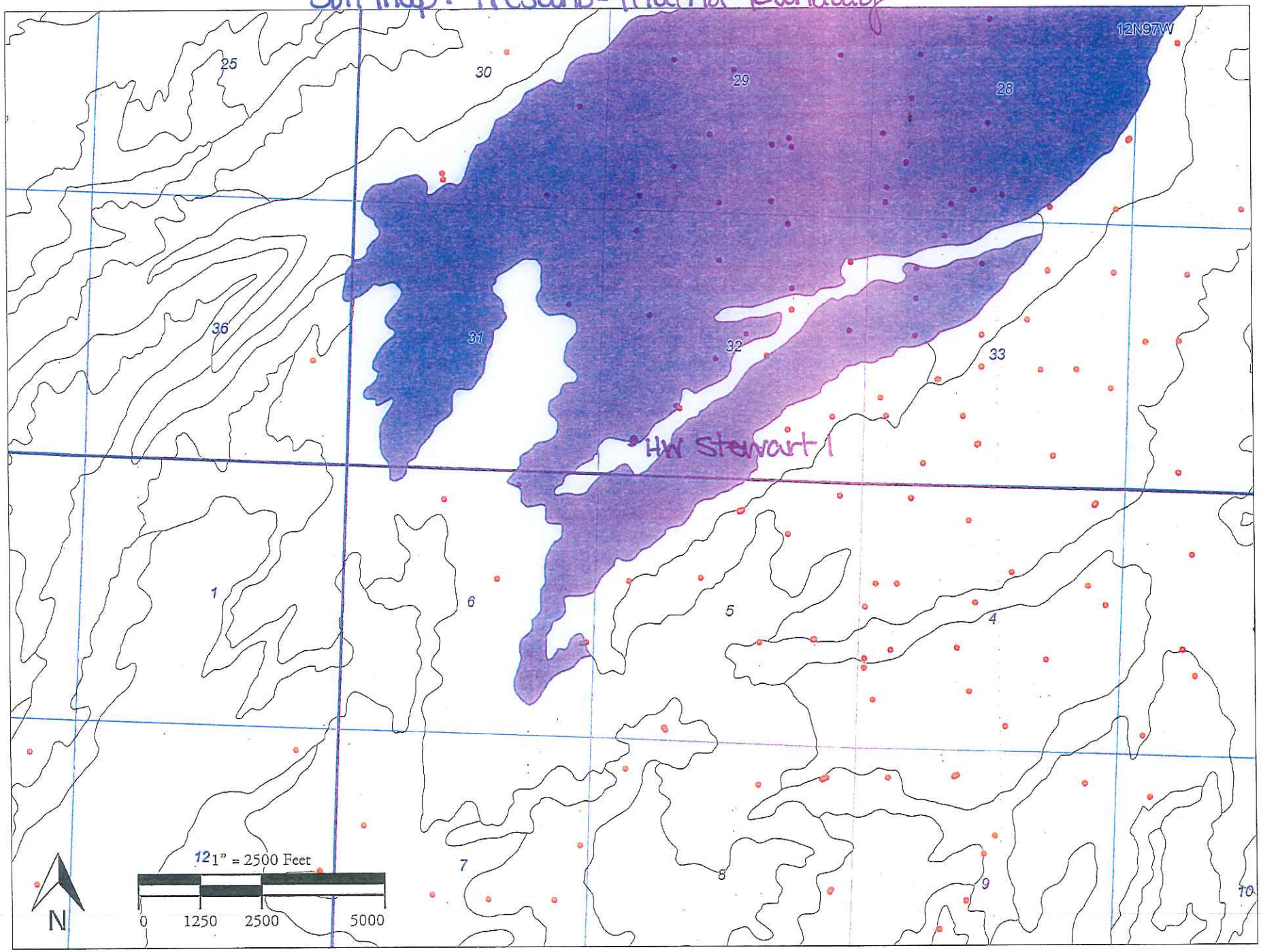
Subscribed and sworn to before me this ____ day of _____, 19____.

My Commission expires: _____, 19____.

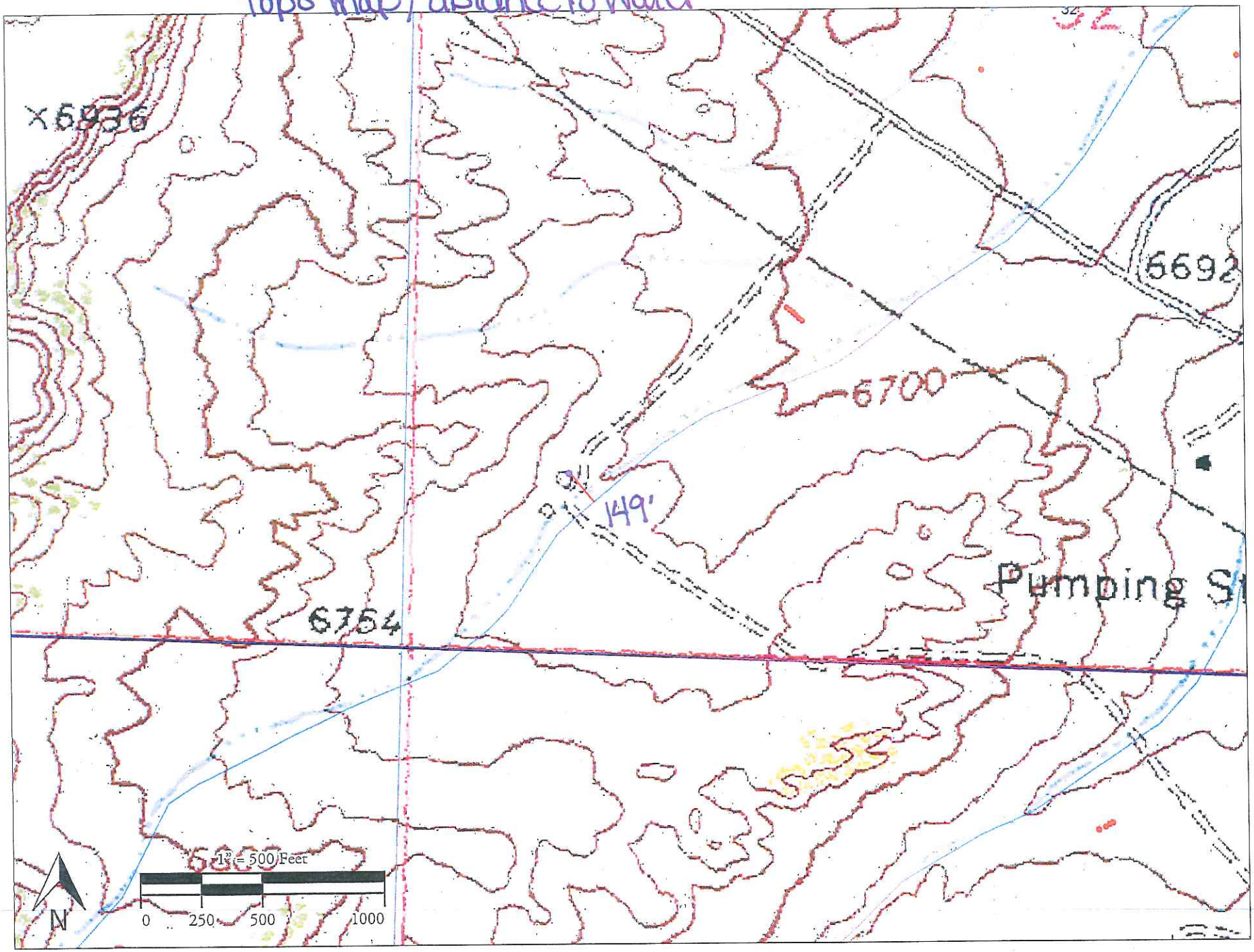
Notary Public _____

FORM TO BE MADE OUT IN QUADRUPLICATE: WHITE FORM must be an original copy on both sides and signed, WHITE AND GREEN copies must be filed with the State Engineer. PINK COPY is for the Owner and YELLOW COPY is for the Driller.

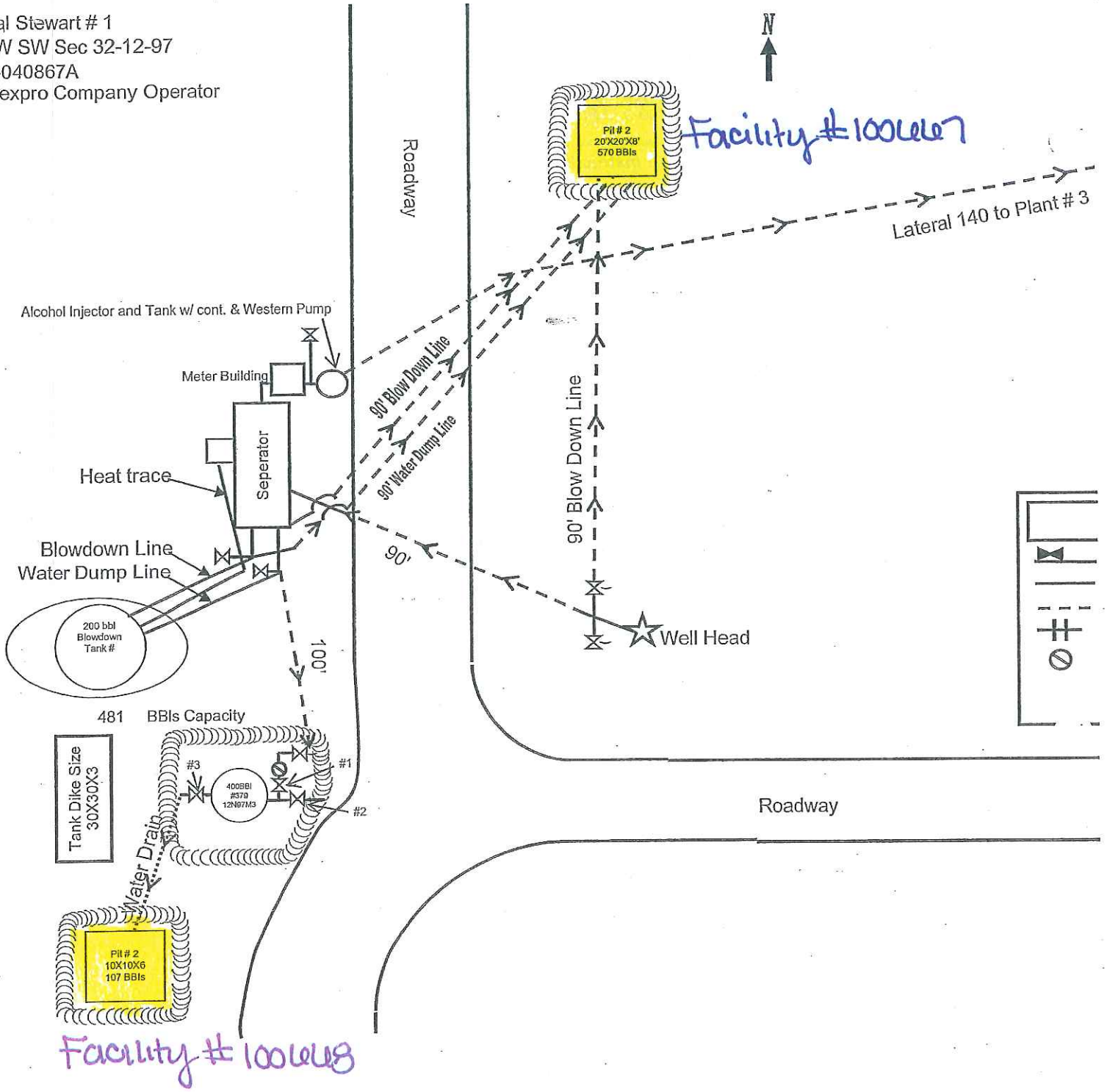
Soil map: Tresano-Hiatha-Kandaly



topo map / distance to water



Hal Stewart # 1
SW SW Sec 32-12-97
D-040867A
Wexpro Company Operator



The net present value (NPV) of an Asset Retirement Obligation (ARO) is calculated by using different banking rates and the life of the asset. This NPV is then booked in the accounting records as an asset and a liability. The future value (FV), based on the life of the asset is calculated. On a monthly basis the ARO asset is reduced with depreciation and the ARO liability is increased by accretion. The ARO asset will be depreciated until the value of the asset is zero and the liability will be accreted until it reaches the FV of the asset. The accretion and depreciation items are booked as expense items. These expenses are totaled and funds are deposited into a trust account. These funds are set aside for the actual abandonment of the asset at the end of its life. AROs are periodically evaluated and if a change is determined to be needed, an adjusting entry to increase or decrease the ARO is made.

-Aaron Rose, Supervisor Accounting, Wexpro Company

In short, if Wexpro Company is given approval to leave the backfilled pit in place until plugging and abandonment of the associated well, additional funds will be set aside over time to account for the cost of remediation of the pit, as opposed to being charged to the producing well, which may make the well un-economic to produce, therefore resulting in the early plugging and abandonment of the well.

QUESTAR
Wexpro

Wexpro Company
2221 Westgate Dr.
P.O. Box 458
Rock Springs, WY 82902
Tel (307) 352-7500
Fax (307) 352-7575

Jimmy L. Druce
General Manager
Direct: (307)352-7555
Jimmy.Druce@questar.com

5/19/2016

Kris Neidel
COGCC
1120 Lincoln St., Suite 801
Denver, CO 80203

Pit Maintenance and History in Wexpro Company Hiawatha/Powder Wash fields

Dear Mr. Neidel:

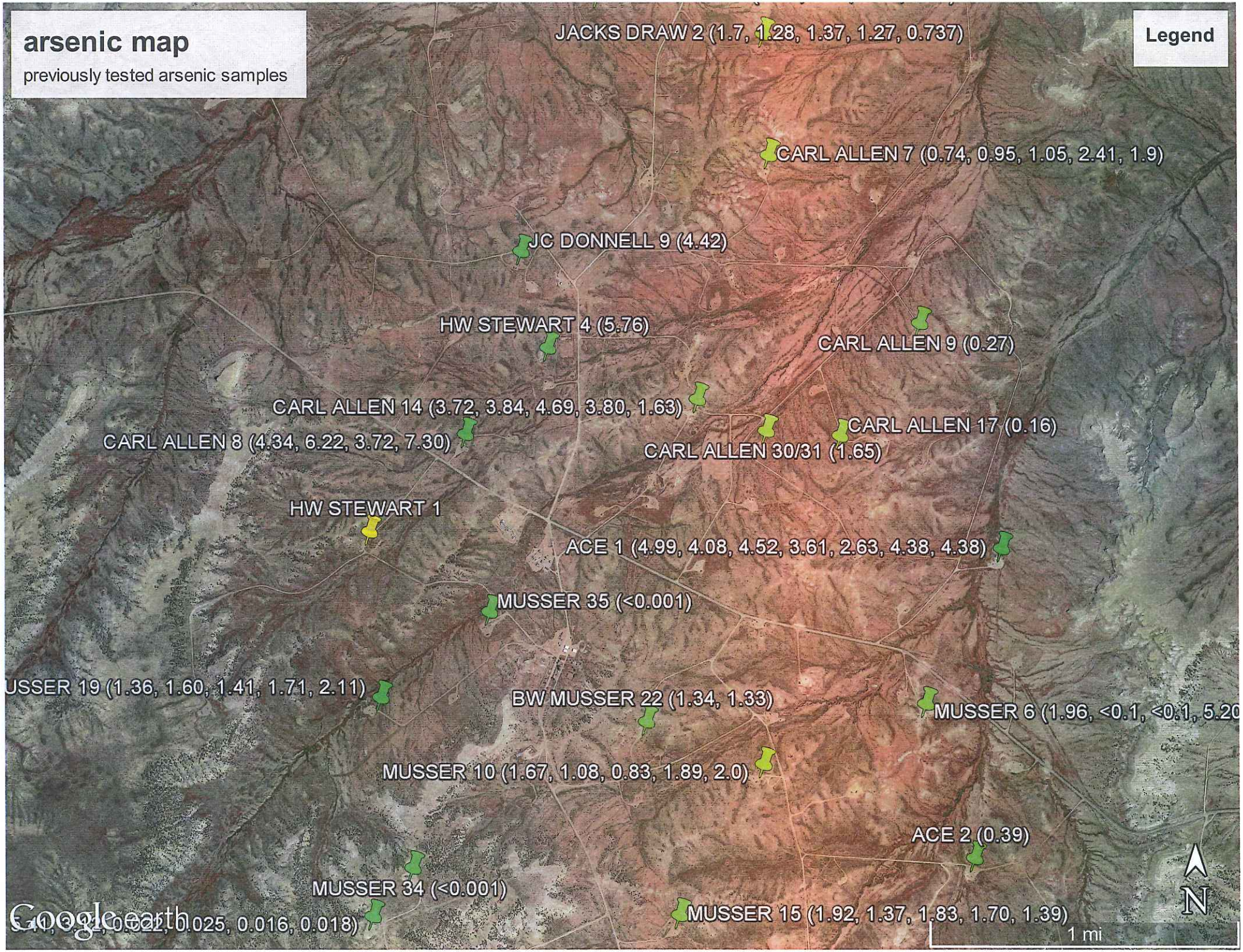
I worked as an Operator/Chief Operator in Colorado's Powder Wash and Hiawatha fields for Wexpro Company between the years of 1984 and 2002. Upon my hiring, Carl Foster, who also worked for Wexpro, taught myself and the other operators procedures for production/water drain pit cleaning/maintenance.
The procedures were as follows; For several years pit with visible oil in them were either burned or soaked with hot water and skimmed. Burning of the pits was standard until regulations prohibited the practice.
When soaking and skimmimg would occur, hot water would be added to the pits. After the addition of hot water to the pits, the pits were allowed to "soak" for a minimum of 3 hours allowing the oil to separate from the water and come to the surface. After the oil and water separated, the oil would be skimmed off via tanker truck and the pits drained of water. Oil skimmed from the pits would be added to the condensate tanks, and the water would be added to the water tanks or hauled for disposal at a commercial source. This process was repeated continuously until there was no more visible oil in the pits.
This procedure was passed along during and after my departure from the Hiawatha and Powder Wash fields, and continues to be used today.

Kind regards,

Jimmy Druce

Jimmy Druce
General Manager

For questions, please call April Stegall at 307-352-7561 or 307-371-3610.


arsenic map
previously tested arsenic samples
Legend
JACKS DRAW 2 (1.7, 1.28, 1.37, 1.27, 0.737)
CARL ALLEN 7 (0.74, 0.95, 1.05, 2.41, 1.9)
JC DONNELL 9 (4.42)
HW STEWART 4 (5.76)
CARL ALLEN 9 (0.27)
CARL ALLEN 14 (3.72, 3.84, 4.69, 3.80, 1.63)
CARL ALLEN 8 (4.34, 6.22, 3.72, 7.30)
CARL ALLEN 17 (0.16)
CARL ALLEN 30/31 (1.65)
HW STEWART 1
ACE 1 (4.99, 4.08, 4.52, 3.61, 2.63, 4.38, 4.38)
MUSSER 35 (<0.001)
USSER 19 (1.36, 1.60, 1.41, 1.71, 2.11)
BW MUSSER 22 (1.34, 1.33)
MUSSER 6 (1.96, <0.1, <0.1, 5.20
MUSSER 10 (1.67, 1.08, 0.83, 1.89, 2.0)
ACE 2 (0.39)
MUSSER 34 (<0.001)
MUSSER 15 (1.92, 1.37, 1.83, 1.70, 1.39)
0.025, 0.016, 0.018)
N
1 mi
Google earth