



INSTRUMENT ASSIGNMENT

Note: Incomplete forms will not be processed. All Assignment fees are Non-refundable.

For and in consideration of the full sale price of \$ Twenty (\$20.00) dollars paid for the instrument, improvements and/or personal property, with the amount of \$ none additional dollars, paid for the improvements and/or personal property, receipt of which is hereby acknowledged. We hereby sell, assign and transfer, all of my/our rights, title and interest in State of Idaho Instrument No. LU600028 White #1-10 unto the following:

Individual or Family Trust Name: Last _____ First _____ Middle _____ DBA: _____	Business or Entity Name: <u>Alta Mesa Services, LP</u> Business or Entity Registration No. (or proof of pending application) <u>L6666</u>
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ADDRESS OF RECORD (FOR ALL CORRESPONDENCE) AND CONTACT INFORMATION

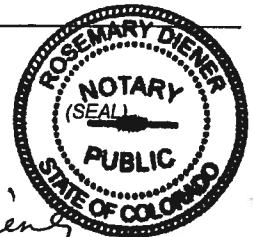
Street: <u>15021 Katy Frwy., Suite 400</u>	Business: <u>Alta Mesa Services, LP</u>
PO Box: _____	Contact Name: <u>Dale R. Hayes</u>
City: <u>Houston</u>	Fax: <u>281-944-0106</u>
State: <u>Texas</u>	Contact Name: <u>Dale R. Hayes</u>
Zip +4: <u>77094</u>	Home: _____
Country: <u>USA</u>	Contact Name: _____
Attention: <u>Dale R. Hayes</u>	Cell Area Code/Phone#: _____
Title: <u>Vice President - Operations</u>	Contact Name: _____
	Email Address(es): <u>dhayes@altamesa.net</u>

- Assign Encroachment (Attachment A not required).
- Assign an interest in all lands within Instrument (Attachment A not required).
- Assign an interest in only part of the lands in the Instrument. (Attachment A required for lands remaining and lands being removed)

ACCEPTANCE AND ASSUMPTION BY ASSIGNOR

I / We hereby swear and affirm that the consideration stated herein is the full and complete amount paid by the assignees to the assignors for the above-described State of Idaho Instrument, and no additional payment has been or will be made.

Date: <u>6/20/12</u>	<u>N J CLAYTON - CEO</u> Current Instrument Holder/Designated Agent	<u>Bridge Energy</u> Company Name (if applicable)
Date: _____	<u>N. Clayton</u> Current Instrument Holder/Designated Agent	Company Name (if applicable)
STATE OF <u>Colorado</u>		
County of <u>Denver</u> ss.		

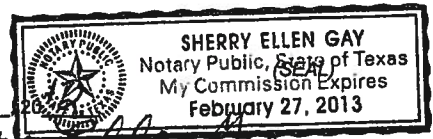


Subscribed and sworn to before me this 20 day of June, 2012
Rosemary Diener
Notary Public
My Commission Expires: 10.21.12 My Commission Expires Oct. 21, 2012

ACCEPTANCE AND ASSUMPTION BY ASSIGNEE

The undersigned, as Assignee(s) above-named, assumes and accepts the obligations and conditions of the above-described State of Idaho Instrument and separately covenants with the State of Idaho that they will abide thereby during the term of said Instrument. Assignee(s) does hereby swear and affirm that the sum of \$ _____ is the full and complete amount of consideration paid by Assignee(s) to the Assignor(s) herein, and that no additional payment has been or will be made.

Date: <u>06/19/2012</u>	<u>Dale R. Hayes - VP-Ops</u> New Instrument Holder/Designated Agent	<u>Alta Mesa Services, LP</u> Company Name (if applicable)
Date: _____	<u>Dale R. Hayes</u> New Instrument Holder/Designated Agent	Company Name (if applicable)
STATE OF <u>Texas</u>		
County of <u>Harris</u> ss.		



Subscribed and sworn to before me this 20th day of June
Sherry Ellen Gay
Notary Public
My Commission Expires: 2-27-13

Instrument No. _____	Page _____	Assigned Signature _____	Date _____
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LU600028

BUREAU OF SURFACE AND
MINERAL RESOURCES
300 North 6th Street Suite 103
PO Box 83720
Boise ID 83720-0050
Phone (208) 334-0200
Fax (208) 334-3698



GEORGE B. BACON, DIRECTOR
EQUAL OPPORTUNITY EMPLOYER

STATE BOARD OF LAND COMMISSIONERS
C. L. "Butch" Otter, Governor
Ben Yursa, Secretary of State
Lawrence G. Wasden, Attorney General
Donna M. Jones, State Controller
Tom Luna, Sup't of Public Instruction

Hand Delivered
August 18, 2010

Jeff Kim
Bridge Energy, Inc.
c/o Ryan V. Morgan
Centra Consulting
413 West Idaho Street
Suite 302
Boise, Idaho

Assigned to Alba Moya Seewig, Jr
of 15021 Katy Freeway, Suite 400
Houston TX 77094
Recorded July 31, 2012

SUBJECT: Permit to Drill LU600028 (API#11-075-20-013, White #1-10)

The Idaho Department of Lands has completed our review of this permit to drill for oil and gas. Enclosed is a copy of the approved permit. This permit was approved with the following stipulations:

1. The permittee shall be required to submit an affidavit covering the initial BOP pressure test after installation signed by the operator or contractor attesting to the satisfactory pressure test.
2. The permittee shall ensure mud pits are adequately sized, designed and constructed for the reception and confinement of mud and cuttings and to prevent contamination of streams and potable water.
3. Drilled holes cannot be used for any other purposes unless they are constructed according to the applicable well construction standards administered by the Idaho Department of Water Resources.
4. Multiple zone completion has not been requested, and must be applied for separately, as required by IDAPA 20.07.02.220.
5. If a full length annular seal will not be installed in the 5½ inch casing, then the following information, in addition to any that may be required by IDAPA 20.07.02.220, must be submitted to the Idaho Department of Lands prior to finishing the well:
 - a. Identification of which zones will be sealed off and which zones will remain open
 - b. Criteria used to determine which zones are sealed or left open
 - c. How the cementing plan will prevent commingling of aquifers that have different temperatures, pressures, and other qualities

This is to certify that this is a true and correct copy of this document, the original of which is on file with the Idaho Department of Lands (IDL).

Rachel K
IDL Representative

7/10/12
Date

6. No secondary recovery efforts have been applied for, and Class II injection wells for injecting brines and other fluids to aid oil and gas production may not be permitted.
7. Non-productive wells must be decommissioned prior to drilling the next hole.
8. Temperature readings must be periodically taken to insure that the correct cement is used. Temperature readings must be logged and submitted with other well information after hole completion.
9. Applicant will obtain necessary water rights from Idaho Department of Water Resources if nearby wells will be used to supply water for the drilling operations.

Please ensure that all operations are conducted in accordance with the requirements of IDAPA 20.07.02 (Rules Governing Conservation Of Crude Oil And Natural Gas In The State Of Idaho).

This permit will be administered by Nancy Welbaum in our Southwest Supervisory Area. She will be inspecting the drilling operation, and may be accompanied by our contractor assisting with inspections. Please contact her at 208-334-3488 if you have any questions.

Sincerely,



Eric Wilson
Navigable Waters/Minerals Program Manager

cc: Nancy Welbaum
Chad Hersley, IDWR, PO Box 83720, Boise, Idaho 83720-0098

Revised

API# 11-075-20013



IDAHO OIL AND GAS CONSERVATION COMMISSION

Application For Permit to Drill, Deepen or Plug Back

APPLICATION TO: Drill [X] Deepen [] Plug Back []

NAME OF COMPANY OR OPERATOR: Bridge Energy, Inc. Date: 6/23/2010

Address: 1580 Lincoln Street, Suite 1110

City: Denver State: CO Zip Code: 80203 Telephone: (303)831-9022

Distance, in miles, and direction from nearest town or post office: Approximately 0.2 mile southeast of New Plymouth, ID

DESCRIPTION OF WELL AND LEASE

Name of Lease: White Well Number: #1-10 Elevation (ground) 2265.68

Well Location: Section: 10 Township: 7N Range: 4W (or block and survey)

(give footage from section lines): 630' FNL 621' FWL (NW 1/4 NW 1/4)

Field and Reservoir (if wildcat, so state): Hamilton County: Payette

Nearest distance from proposed location to property or lease line: 621 feet

Distance from proposed location to nearest drilling, completed or applied for on the same lease: N/A feet

Proposed depth: 2,500 ft Rotary or cable tools: Rotary

Approx date work will start: September 10, 2010 Number of acres in lease: 70 acres

Number of wells on lease, including this well, completed in or drilling to this reservoir: 1

If lease purchased with one or more wells drilled, complete the following information:

Purchased from (name) N/A

Address of above N/A

Status of bond N/A

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) Survey plats and drilling prognosis are attached.

Please direct any inquiries to Ryan Morgan, P.E. (Centra Consulting, Inc.) at 1-208-338-9400.

Lease Details: Fee Lease

CERTIFICATE: I, the undersigned, state that I am the Consultant of Bridge Energy, Inc. (company) and that I am authorized by said company to make this application and that this application was prepared under my supervision and direction and that the facts stated herein are true, correct and complete to the best of my knowledge.

Date: 8/13/10 Signature: Ryan E. Morgan

Permit Number: LU 600028 Approval Date: 8/18/10 Approved by: [Signature]

NOTICE: Before sending in this form, be sure that you have given all information requested. See instructions on back.

RECEIVED

AUG 13 2010

FORM P-1 Authorized by Order No. 2 Rev. 08/14/07

SOUTHWESTERN IDAHO AREA DEPARTMENT OF LANDS

DRILLING PROGNOSIS
BRIDGE ENERGY, LLC
White 1-10 (Hamilton Prospect)
NW/4 NW/4 of Section 10 - Township 7N-Range 4W
Payette County, Idaho

July 16, 2010

GENERAL

NOTE: This well is to be drilled as a tight hole. Unauthorized personnel are not to be allowed on the rig floor, and all information is to be kept confidential.

Surface Location: 630' FNL and 621' FWL (NWNW), Section 10-T7N-R4W

Bottomhole Location: Same

Proposed TD/Objective: ~1720 ft /Tertiary Sands
 TD 2500"

Elevation: 2,266' GL (ungraded); 2,284' KB (estimated).

Drilling Rig: To be determined.

MECHANICAL

Casing Design:

<u>SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>DESCRIPTION</u>	<u>SFt</u>	<u>SFc</u>	<u>SFb</u>
16"	0' - 82'	82'	Conductor (0.219" WT)	--	--	--
9-5/8"	0' - 600+'	600+'	36#, J-55, STC	21.9	8.18	7.04
5-1/2"	0' - 2500'	2,500'	17#, J-55, STC	2.69	1.60	1.91
2-7/8"	0' - 2500'	2,500'	6.5#, J-55, EUE	3.16	3.05	1.45

NOTE: If mud weight exceeds 10.0 ppg at TD, casing design may be altered. Clean and drift all strings of casing prior to running. Remove all thread sealant (Kindex) prior to running. Unload production casing and tubing strings with a forklift.

CEMENT

<u>CASING/HOLE SIZE</u>	<u>CEMENT SLURRY</u>	<u>SX</u>	<u>PPG</u>
16" - 24"	Cement to surface with 4 yds Redi-mix.		
9-5/8" - 12-1/4"	Lead: Premium Light cement + 2% CaCl ₂ + 1/4 pps flocele	100	12.0
2.27	Tail: Class G + 2% CaCl ₂ + 1/4 pps flocele	100	15.8
1.15			

NOTE: Precede cement with 50 bbl fresh water. Have 100 sx neat cement and one-inch tubing on location for topping-off. Cement volume has been calculated assuming 100% excess.

<u>CASING/HOLE SIZE</u> <u>YIELD</u>	<u>CEMENT SLURRY</u>	<u>SX</u>	<u>PPG</u>
5 1/2" – 8 3/4"	Class G cement containing fluid loss additive, bonding agent, and retarder as required.	300	15.8 1.15

NOTE: Prior to cementing, slowly lower mud viscosity to 35-sec funnel viscosity. Circulate hole for 1 hour at this viscosity prior to cementing. Precede cement with 1000 gal mud flush and 30 bbl fresh water spacer. Cement top contingent upon the presence of potentially productive intervals. Actual cement volume to be determined from caliper log. Run pilot tests on proposed cement with actual make-up water. Cement design may be altered depending on actual bottomhole temperatures and the presence of lost circulation. Do not move the casing (under any circumstances) while setting the casing slips.

CEMENTING ACCESSORIES

- Surface Casing:
- 1) Guide shoe with insert float located one joint above shoe.
 - 2) Top wiper plug (rubber).
 - 3) Centralizer with stop ring in middle of shoe joint.
 - 4) Centralizers over collars on first three connections, omitting float collar.
 - 5) Use a total of five centralizers.
- Production Casing:
- 1) Differential-fill float collar located one joint above differential-fill float shoe.
 - 2) Top and bottom wiper plug.
 - 3) Centralizer with stop-ring in the middle of shoe joint.
 - 4) Centralize through and 100' on either side of potentially productive intervals. Run at least 12 centralizers.
 - 5) Thread-lock all connections through float collar and use API casing dope on all remaining connections.
 - 6) Stage cementing tool may be run to ensure placement of cement across any productive intervals and fresh water sands.
 - 7) Centralize above and below stage cementing tool (if run).

WELLHEAD

- Casing Head: 9-5/8" x 11" x 3,000 psi WP flanged casing head with two-2" LP outlets. Outlets equipped with one-2" 3,000 psi WP ball valve, and one-2" x 3,000 psi WP bull plug on the outlets.
- Tubing Head: 11" x 7-1/16" x 3,000 psi WP tubing head with two-2" LP threaded outlets. Outlets to be equipped with 2" x 3,000 psi WP ball valves.
- Upper Half: To be determined.

MUD PROGRAM

<u>INTERVAL</u>	<u>WEIGHT (PPG)</u>	<u>VISCOSITY (SEC)</u>	<u>WL (CCS)</u>
0' – 600+'	8.5 - 9.0 ppg	30 - 45 sec	NC

Spud well with fresh water viscosified with Pac Regular. Circulate reserve pit to maintain clear water at the pump suction. Addition of lime and/or a selective flocculant may be made at the flowline to promote solids settling in the reserve pit. Keep hole full and drill pipe moving at all times. Sweep hole with Super Sweep to insure the hole is clean prior to running surface casing.

<u>INTERVAL</u>	<u>WEIGHT (PPG)</u>	<u>VISCOSITY (SEC)</u>	<u>WL (CCS)</u>
600+' – 2500'	8.5 - 9.8 ppg	28 - 34 sec	10 ccs or less

After drilling our surface casing shoe, displace to Synthetic Base Mud, SBM. Reference SBM program for specific maintenance, product concentrations, and mud treatment. Keep hole full at all times. Monitor pit volume constantly as lost circulation and water flows should be expected at all times. Sweep hole as dictated by hole conditions.

Deviation tendencies in this area should not be severe; however, prudent drilling practices should be adhered to at all times. Surveys should be run at ± 500 ft intervals, unless otherwise indicated.

WELL CONTROL EQUIPMENT

<u>INTERVAL</u>	<u>EQUIPMENT</u>
0' – 600+'	None
600+' – 2500'	11" x 3,000 psi WP double-gate BOP with blind and 4-1/2" pipe rams. Rig should be equipped with upper and lower kelly cocks, as well as stabbing valve (have wrench available at all times). BOP equipment will be tested after nipple-up and every 30 days thereafter. (Notify Idaho State field representative prior to testing). Close pipe rams daily and blind rams on trips, recording results on tour sheets.

GEOLOGICAL

Geologist/Mud Logger: Geologist and mud logger with hotwire and chromatograph to be on location to from base of surface casing to TD. Notify prior to spud and after setting surface casing.

Electric Logging: DIL-SFL-SP and BHC Sonic-GR-CAL to be run in tandem from base of surface casing to TD. LDT-CNL-GR-CAL may be run at the geologist's discretion.

GEOLOGICAL (Continued)

Formation Tops: Assumes KB elevation of 2,284 ft.

<u>SEA</u>	<u>FORMATION</u>	<u>DRILL DEPTH</u>	<u>SUB</u>
	Idaho Group Sands	Surface	+ 2,284'
	Pro Delta Shale	529'	+ 1,755'
	Hamilton Sands	1,729'	+ 555'
	Total Depth	2,500'	- 216'

MISCELLENEOUS

1. Pump carbide lag prior to running surface casing and prior to drilling out shoe. Pump efficiencies will be calculated from this information. Run frequent carbide lags while drilling to determine degree of hole washout.
2. Monitor mud hydraulics closely. An in-gauge hole is extremely critical to achieve open-hole packer seats, interpretable logs, and a good cement bond.
3. Water will be hauled or pumped from nearby sources.
4. Reserve pit is to be lined with a 12-mil synthetic liner.
5. It is anticipated that a mud motor and PDC bit will be used from approximately 600' to TD.
6. In general, the above prognosis is presented as a guideline only; and is subject to change as dictated by hole conditions and geological interpretation.

PERSONNEL

OFFICE NUMBER

CELL NUMBER

Ron Richards	303-831-9022	720-209-0207
Jeff Kirn, Manager of Operations	303-831-9022	303-981-7443
Ed Davies, President	303-831-9022	720-641-8737

Prepared by:

Ron Richards for Bridge Energy Inc.

BRIDGE RESOURCES

WHITE 1-10 WELLBORE DATA SHEET

LEASE: Bridge Resources
WELL: White 1-10
LOCATION: Sect 10/Township 7N/Range 4W
 Payette County
SPUD DATE: August
OBJECTIVE: Hamilton Sands

TOTAL DEPTH: 2500ft
SURFACE LOCATION: N43-57-55.64"
 W116-48-35.97"
BOTTOM HOLE LOCATION: N43-57-55.64"
 W116-48-35.97"
ELEVATION: 2,266ft
ELEVATION(KB): 2,284ft

FORMATION EVALUATION	CASING SIZE (IN)		HOLE SIZE (IN)	COMMENTS	TVD	MUD WEIGHT (ppg)	FRACTURE GRADIENT (ppg)
	16" Line Pipe-Welded	82ft		No FIT	82ft	WBM 8.4	8.4
				Top of cmt-500ft			
	9 5/8"-36ppft-R111-J55-STC	600+ft	12 1/4"	FIT	800ft	SBM 8.8ppg	8.4
Mud Logging Each 10ft from 60ft Halburton density, neutron, resistivity, sonic side well cores			8 3/4"				
	5 1/2"-47ppft-R111-J55-LTC	2500	8 3/4"		2500ft	SBM 10.3	11.5



1" = 2 MILES

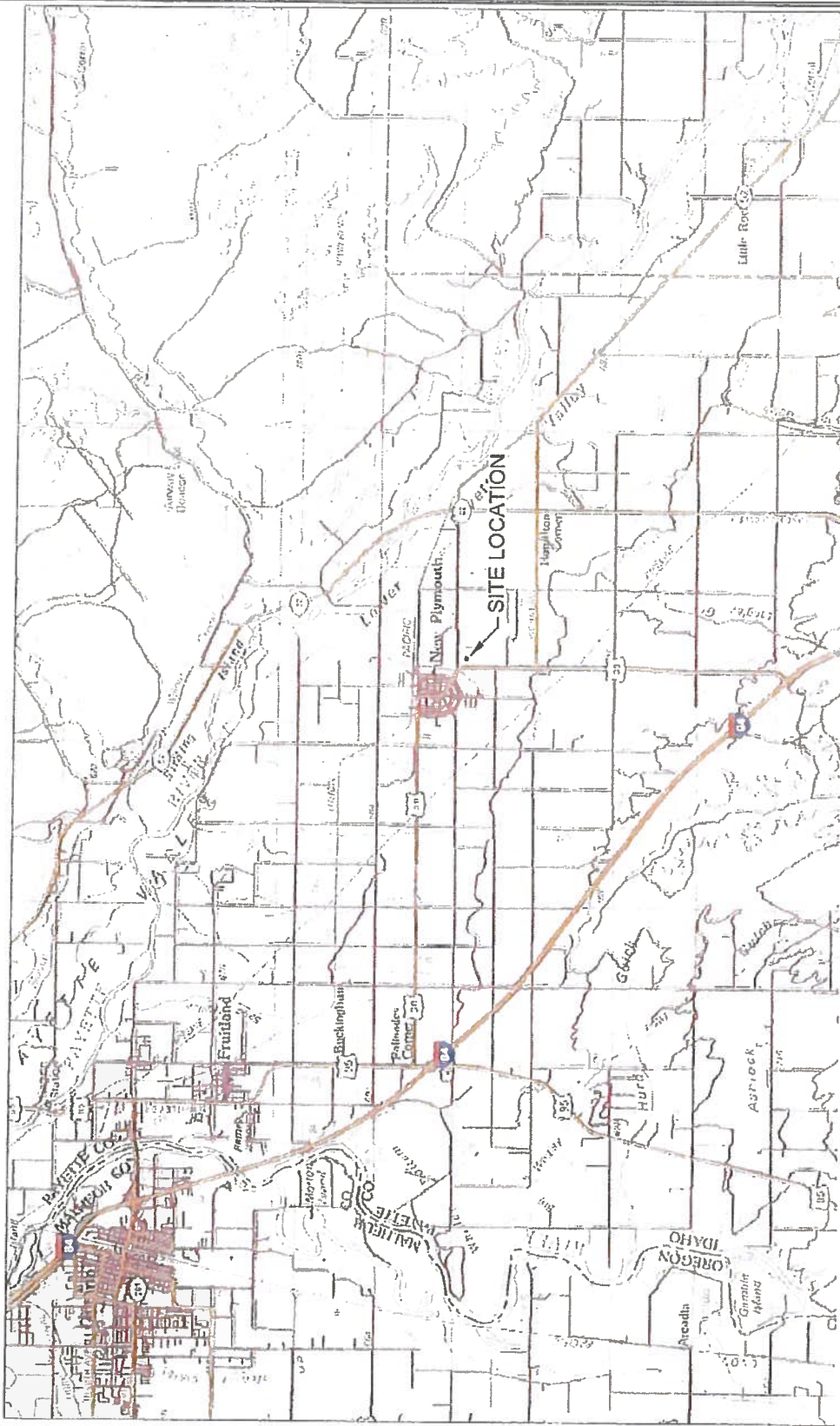


EXHIBIT MAP OF SITE

WHITE 1-10

A PORTION OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4,
OF SECTION 10, TOWNSHIP 7 NORTH, RANGE 4 WEST, B.M.,
PAYETTE COUNTY, IDAHO

-2010-



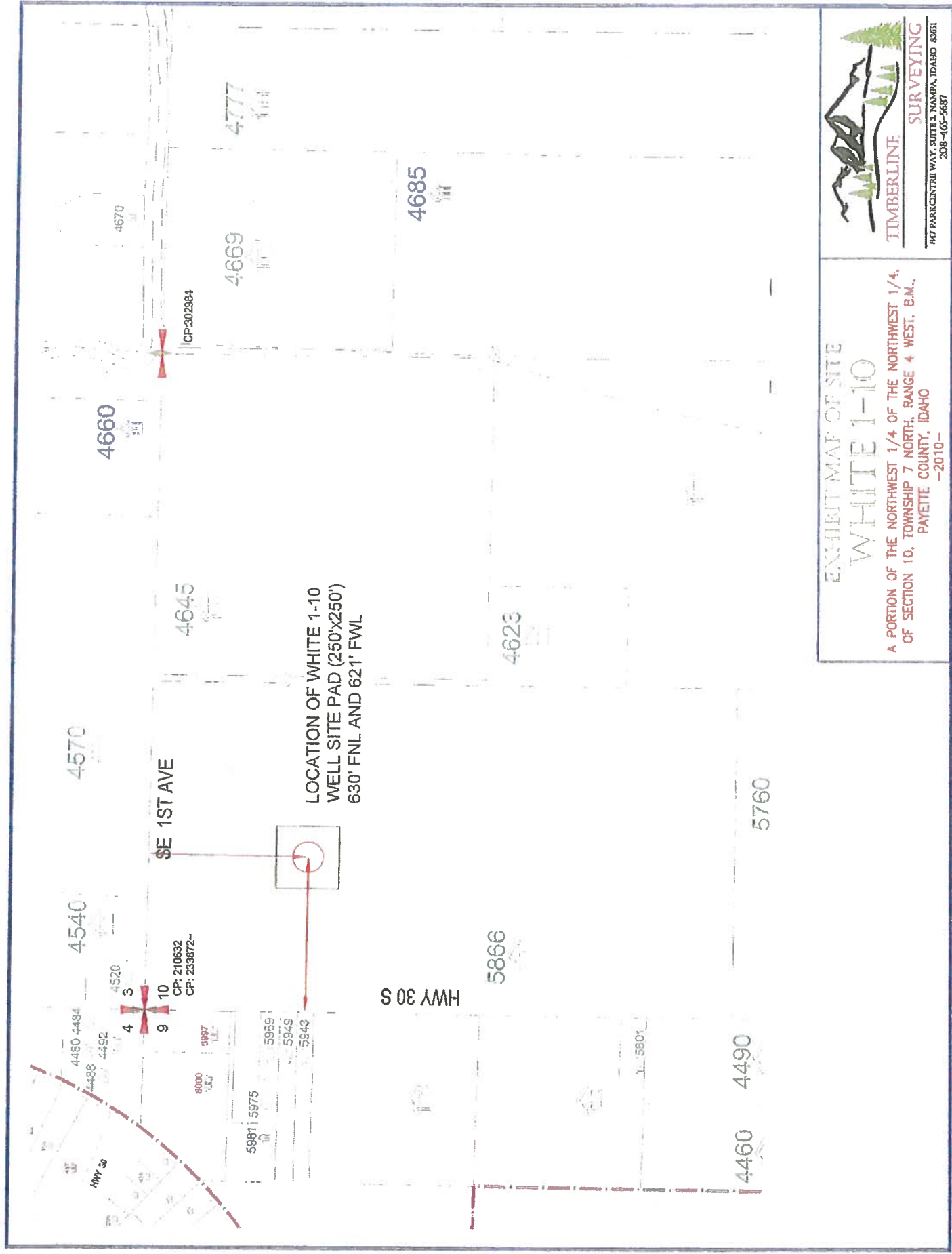
TIMBERLINE

SURVEYING

807 PARCENTRE WAY, SUITE 2, NAMPA, IDAHO 83855
208-465-5687



EXHIBIT MAP OF SITE
WHITE 1-10
 A PORTION OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4,
 OF SECTION 10, TOWNSHIP 7 NORTH, RANGE 4 WEST, B.M.,
 PAYETTE COUNTY, IDAHO
 -2010-



LOCATION OF WHITE 1-10
 WELL SITE PAD (250'x250')
 630' FNL AND 621' FWL

SE 1ST AVE

HWY 30 S

HWY 30

CP: 210632
 CP: 233672-

8000
 5997

5981 | 5975
 5999
 5949
 5943

1.560'

4 3
9 10

SEC. COR.
BRASS CAP



1" = 100'

S89°14'31"E - 2640.56'

SE 1ST AVE



TBM-1
HUB & LATH SOUTH OF ROAD
GPS EL: 2260.92

486.80'

2261

2262

2263

2264

496.00'

LAT: N 43°57'55.64"
LONG: W 116°48'35.97"
EL: 2265.68sft



250.00'

2266

250.00'

HIGHWAY 30
S00°38'08"W - 2647.55'



10

W 1/4
ALUMINUM CAP

EXHIBIT MAP OF SITE WHITE 1-10

A PORTION OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4,
OF SECTION 10, TOWNSHIP 7 NORTH, RANGE 4 WEST, B.M.,
PAYETTE COUNTY, IDAHO
-2010-



447 PARK CENTRE WAY, SUITE 3, NAJOPA, IDAHO 83457
208-465-5687



1" = 500'

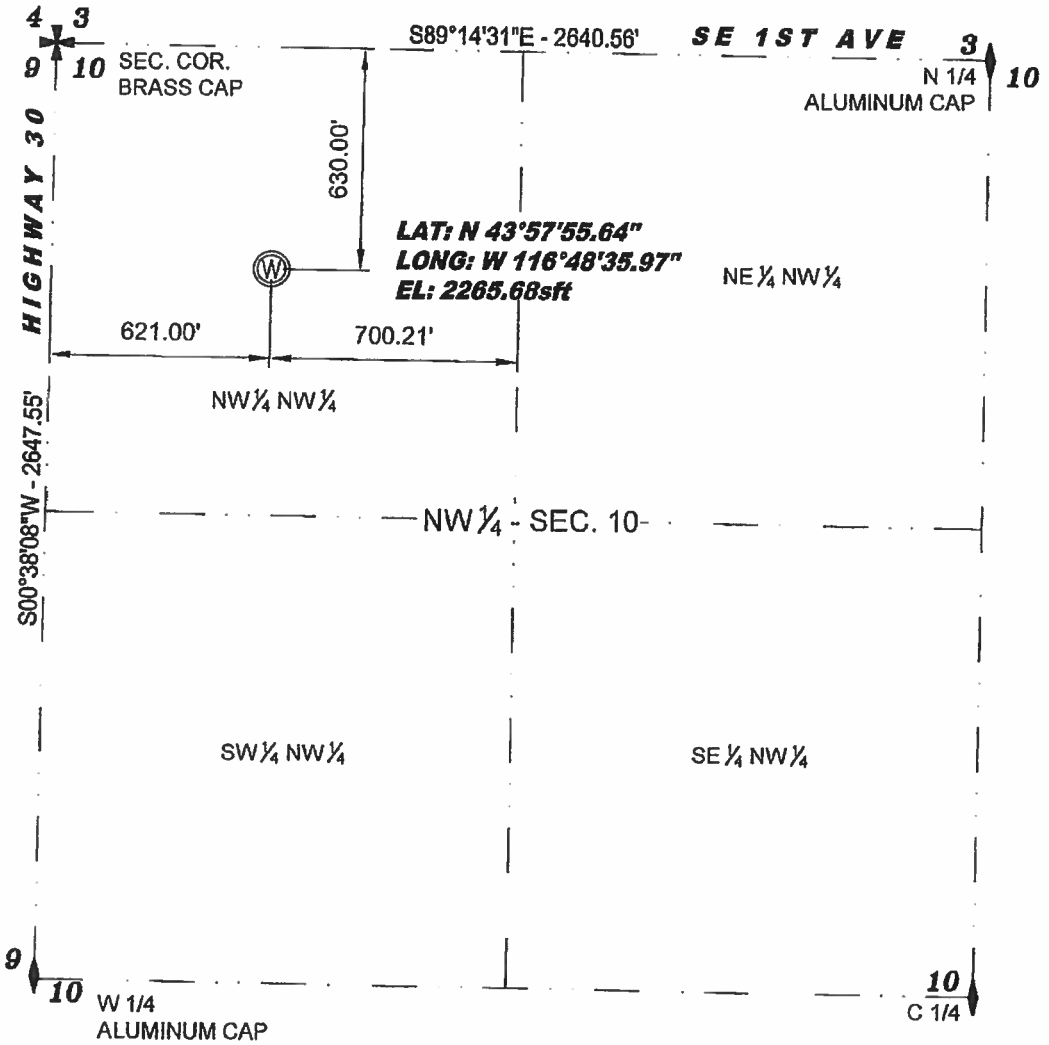
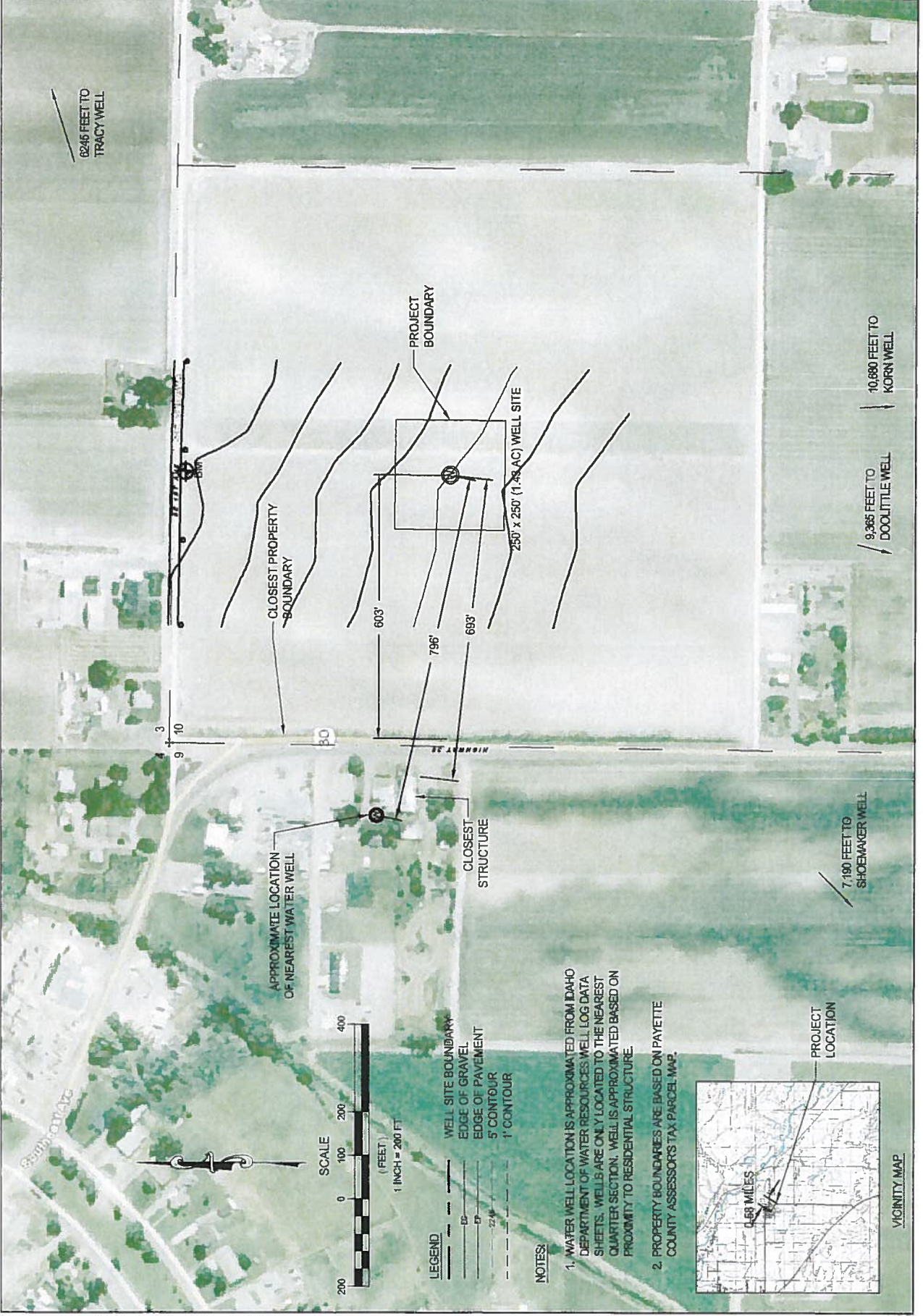


EXHIBIT MAP OF SITE WHITE 1-10

A PORTION OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4,
OF SECTION 10, TOWNSHIP 7 NORTH, RANGE 4 WEST, B.M.,
PAYETTE COUNTY, IDAHO
-2010-

TIMBERLINE SURVEYING
 617 PARK CENTRE WAY, SUITE 3, NAMPA, IDAHO 83651
 208-465-5687



REVISIONS
 No. BY DATE DESCRIPTION
 1. WATER WELL LOCATION IS APPROXIMATED FROM IDAHO DEPARTMENT OF WATER RESOURCES WELL LOG DATA SHEETS. WELLS ARE ONLY LOCATED TO THE NEAREST QUARTER SECTION. WELL IS APPROXIMATED BASED ON PROXIMITY TO RESIDENTIAL STRUCTURE.
 2. PROPERTY BOUNDARIES ARE BASED ON PAYETTE COUNTY ASSESSOR'S TAX PARCEL MAP.
 LEGEND
 WELL SITE BOUNDARY
 EDGE OF GRAVEL
 EDGE OF PAVEMENT
 5' CONTOUR
 1' CONTOUR
 NOTES
 SCALE (FEET)
 1 INCH = 200 FT
 200 0 100 200 400
 VICINITY MAP
 CLEAR MILES
 PROJECT LOCATION

UPDATED RIG INFO

WHS, LLC
Razorback Rig Component Listing

The following list contains the components of the 2004 Cameron C-900 Hp, Trailer Mounted Drilling Rig w/ VIN Number (5024). This rig also operates w/ a FDS 150 Ton HMI hydraulic Top Drive.

Qty	Item	Remarks
1	Drawworks - Cameron 42"x 12" Water Circulating Drum w/ water cooled main brake and Wichita water cooled assist brake... Wichita Drum Clutch	
1	Power and Drive Package – Twin (2) Detroit Series 60 engines; 450 Hp each w/ Allison 5960 Transmissions into a Cushman 1000 Hp gear driven Compound, to Cushman 1000 Hp RA box; 1:1 Ratio	
1	Mast – PEMCO 120' x 400K lbs hook load; 1.25 API rating; sheaved for 10- 1-1/8" drill lines; Serial # 1312	
2	Hydraulic Scoping Cylinder f/ PEMCO derrick	Spare
1	Fluid Design Services (FDS) 150 Ton Hydraulic Top Drive w/ diesel power package.	
1	Hydraulic Motor FDS 150 Ton Top Drive	Spare
1	Block-200 Ton ABCO, 10 line 5 x 36" sheave w/ ABCO Hook	
1	Weight Indicator-Totco type 4	
1	Sub Structure-17'H x 10'W x 16'L w/6' foldout wings. Unit scopes down to 10'6"H x 13'6" on lowboy.	
1	40' Kelly; Hex	
1	Kelly Bushing	
1	Kelly Shuck w/ protector	
1	Sub-structure/T-base-45' x 8'	
1	Sub-structure ramp-48'4" x 10', hydraulic raise-cylinders part # SD83CC-24-131	
1	Top Dog House-24'10" x 7'10.5", hydraulic raise, with knowledge box, lockers, shelving, and bench seats. Framework installed for Pason Electronic Drilling Recorder and Autodriller computer system.	
1	Kelly Spinner-Cam-tech model 6100 hydraulic Kelly spinner assy.	
	Well Control Equipment-Shaffer LXT DBL 11" x 5K psi MAWP, Dual Ram, hydraulic BOP mfg. Date 11-04, Serial # 200213110-81 Shaffer LTX 11" x 5K psi MAWP spherical annular BOP	

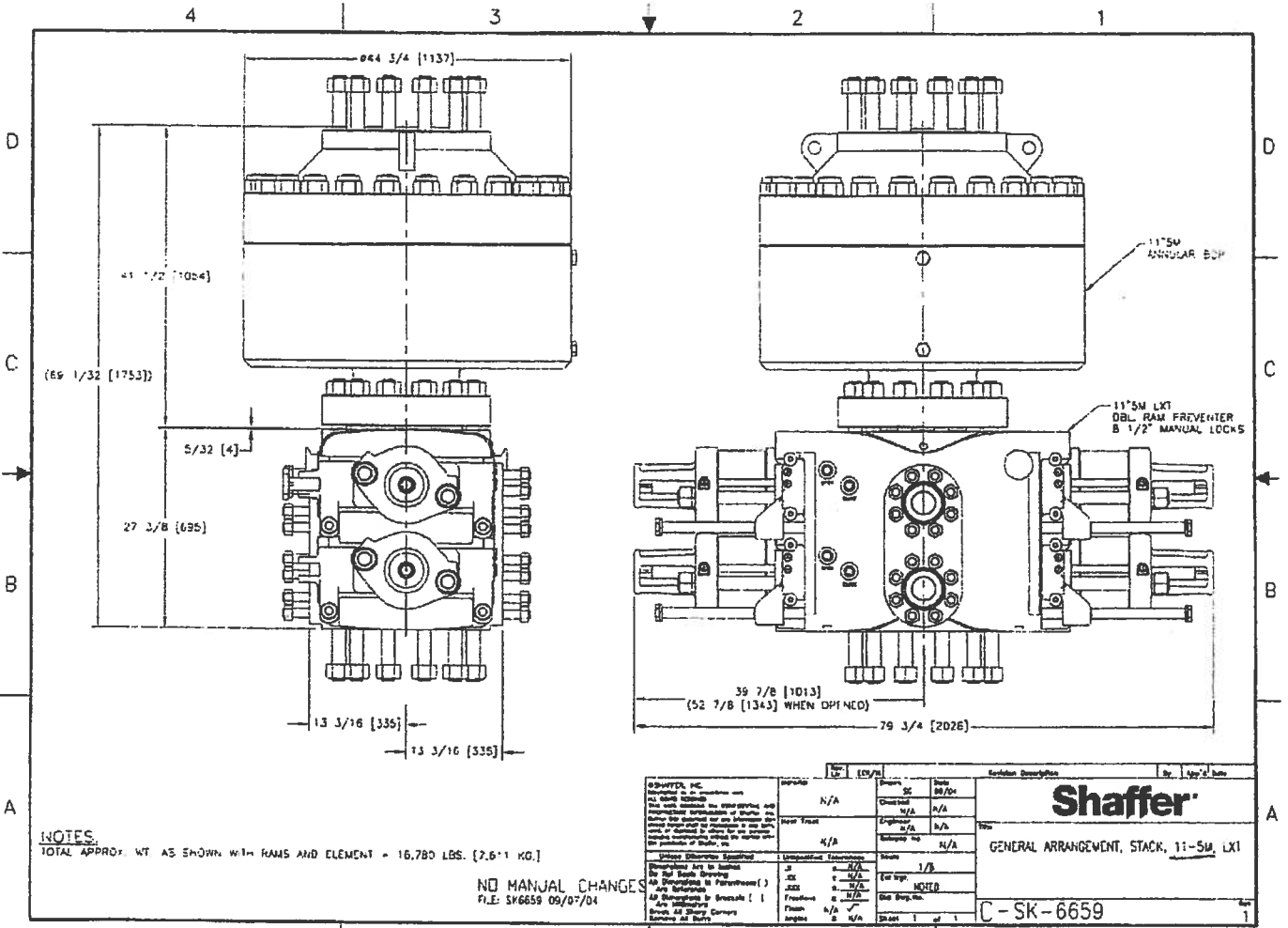
WHS, LLC
Razorback Rig Component Listing

Qty	Item	Remarks
1	4-1/16" x 5000 psi BOP valve	
	Choke Manifold, fitted for HCR valve, choke-w/4outlets, 5000 psi	
1	Closing Unit-Massco Inc. 5 station	
2	Generators-DDC 410 KW generators, 277/480 VAC 3 Phase 60 HZ powered by 2 Detroit Series 60 14.0 L Diesel engines/Tier III Emissions standards. Skid mounted in covered house with all electronic panels as 1 unit.	
1	Generator House-44' x 10' skid mounted	
1	Swivel-EMSCO LB 200 Ton Serial # 208	
1	Mud System-2-tank system w/approx. 700 bbls capacity. 60 HP mud mixers, 4 agitators, 4 jet blowers, 70 bbls slugging tank, 2-Doublelife AWD III Linear shale shakers built in tandem, 600 GPM each. Mud Conditioner unit consisting of; 1-Doublelife AWD III shale shaker, 1-Doublelife Mod. I-210 Desander, and 1-Doublelife V-510, 10 cone Desilter.	
2	Mud Pumps-2 HHF-1000 HP triplex pumps w/pulsation dampners, powered by CAT 3412 1150 HP diesel engines, fully unitized. With 6" liners, 10" stroke, pumps will move 3.7 gal/stroke at 100% efficiency. Additional specifications upon request.	
3	American Roller Bearings for CE-F1000 mud pump	Spare
2	SKF Pillar Block bearings for CE-F1000	Spare
1	Mud/Gas Separator: 30'H x 6' Dia vessel mounted on skid for easy rig up and tear down.	
1	Fresh Water Tank-200 bbl fresh water tank w/electronic 20 HP 480V frame 256T 3 x 2 centrifugal 4 x 6 water pump powered by Detroit 353 (2800 rpm)	
1	Catwalk-47'3" x 10'2" pipe racks	
1	Junk Box-20'9" x 7'10"	
1	Rotary Table-22" IDECO rotary table assy. On 44" centers complete w/split master bushing.	
1	Drill Collar Slips-Type A 5-1/2 MS 98C	
1	Drill Pipe Slips-Wooly M3-98	
1	Drill Collar Clamp(Wedding Band) AOT 12116 5 1/2-6 5/8	

WHS, LLC
Razorback Rig Component Listing

Qty	Item	Remarks
	Serial # 29140	
1	Casing Elevators M66-5 ½ 250 ton 227 MT	
	Drill Pipe Elevators-2-AOT(1) 150 ton(1) 250 ton	
	Cross Over Subs-Assorted	
1	Survey Machine-Wireline survey machine.	
1	Diesel Tank-8000 gal Cylindrical Tank: Myers diesel tank transfer pump assy. w/3hp 3600rpm explosion proof motor. Skid mounted with 3 compartments for oils on front of skid.	

This rig moves in 27 loads (including pipe). All components are skid mounted and mud-boated with lifting ears to be lifted onto oilfield floats or lowboys. All loads are legal permit loads.



NOTES
 TOTAL APPROX. WT AS SHOWN WITH RAMS AND ELEMENT = 16,780 LBS. [7,611 KG.]

NO MANUAL CHANGES
 P.L.E. SK6659 09/07/04

Part No.	Qty	Description	Rev.	App'd
11-5/8	1	ANGULAR BOP		
11-5/8 LXT	1	DBL. RAM PREVENTER		
B 1/2	1	MANUAL LOCKS		
Shaffer				
GENERAL ARRANGEMENT, STACK, 11-5M, LXT				
C-SK-6659				

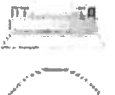
Manifold spec 11" SM x 11" SW
 1 outlet

4 1/16" 5M X 2 1/16" 5M CHOKE MANIFOLD

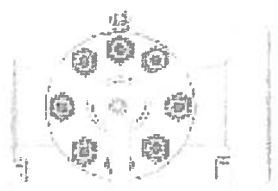


2 1/16" 5M GATE VALVE

2 1/16" 5M SPACER SPOOL



CROSS, STDG 5-MIN 4 1/16" 5M X 2 1/16" 5M



4 1/16" 5M GATE VALVE

4 1/16" 5M GATE VALVE



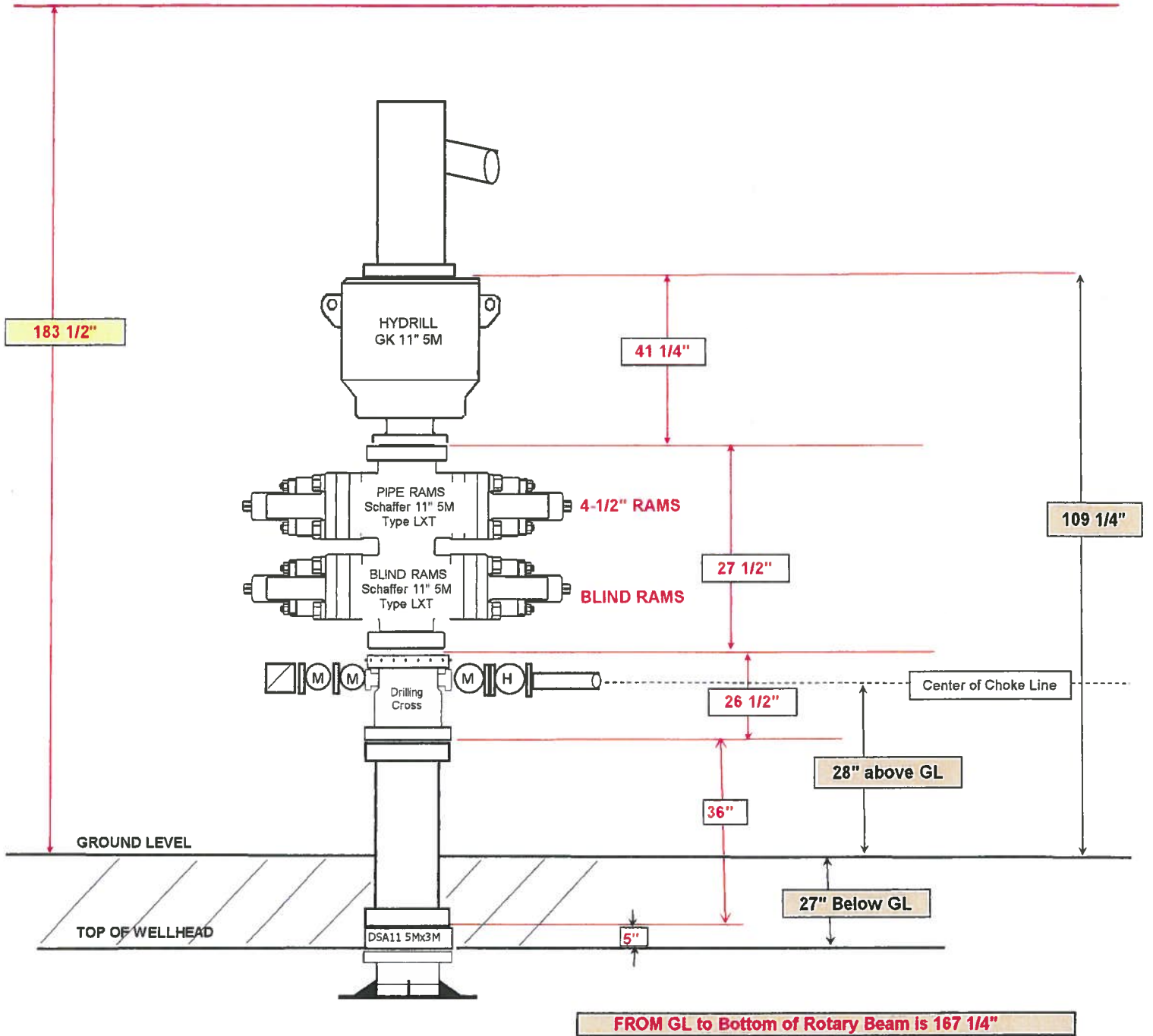
2 1/16" 5M GATE VALVE

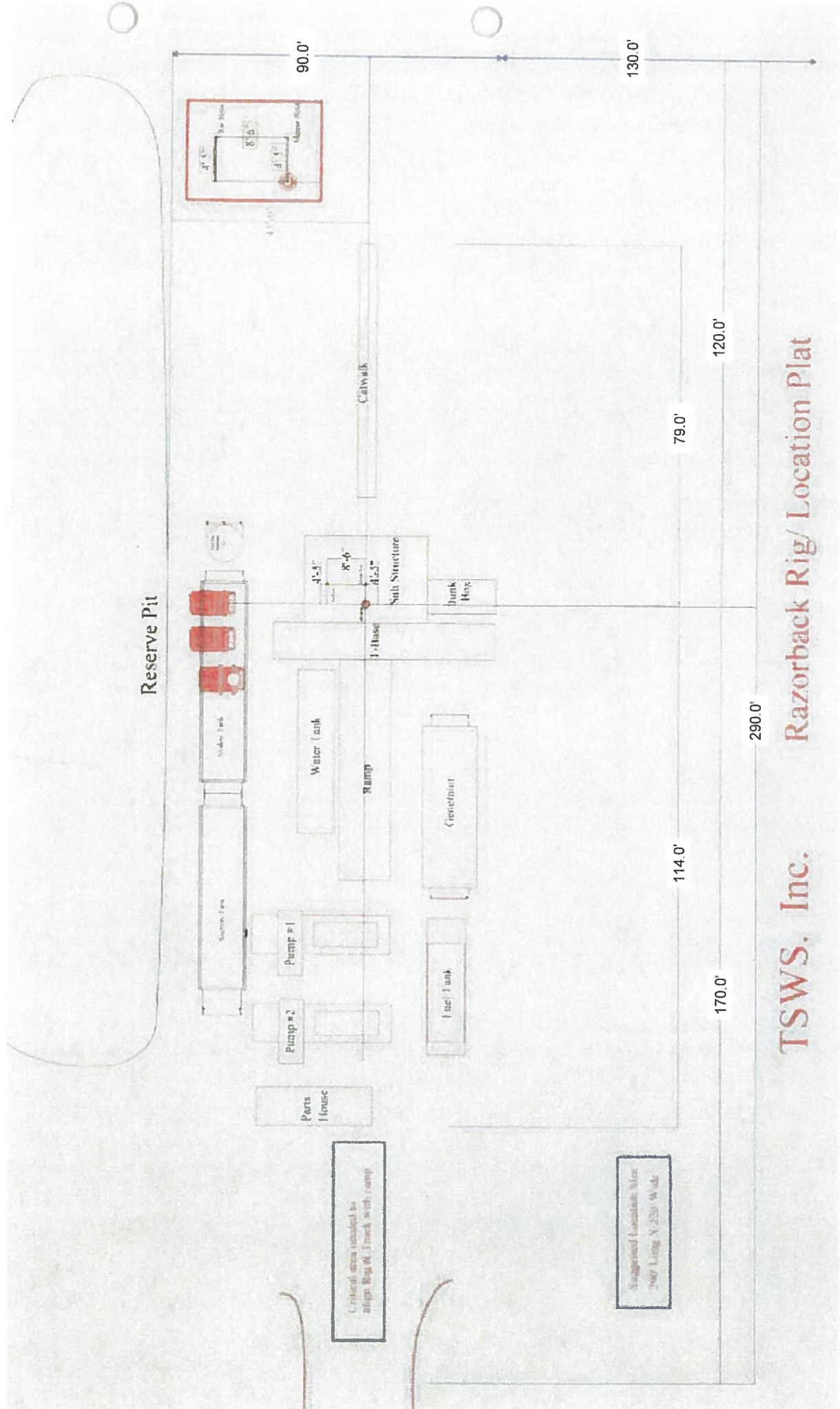
CHOKE, 2 1/16" 5M FLX FL ADJ. TC TRIM

WHS, LLC
BOP Schematic NU on Surface- Razorback Rig

RIG FLOOR

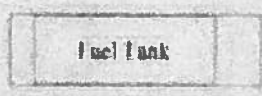
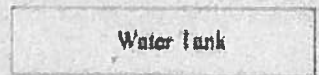
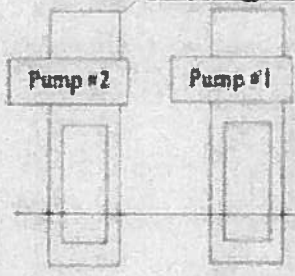
RIG FLOOR





TSWS, Inc. Razorback Rig/ Location Plat

Reserve Pit



Critical area needed to align Rig & Truck with ramp

Suggested location size 290' Long X 220' Wide

114.0'

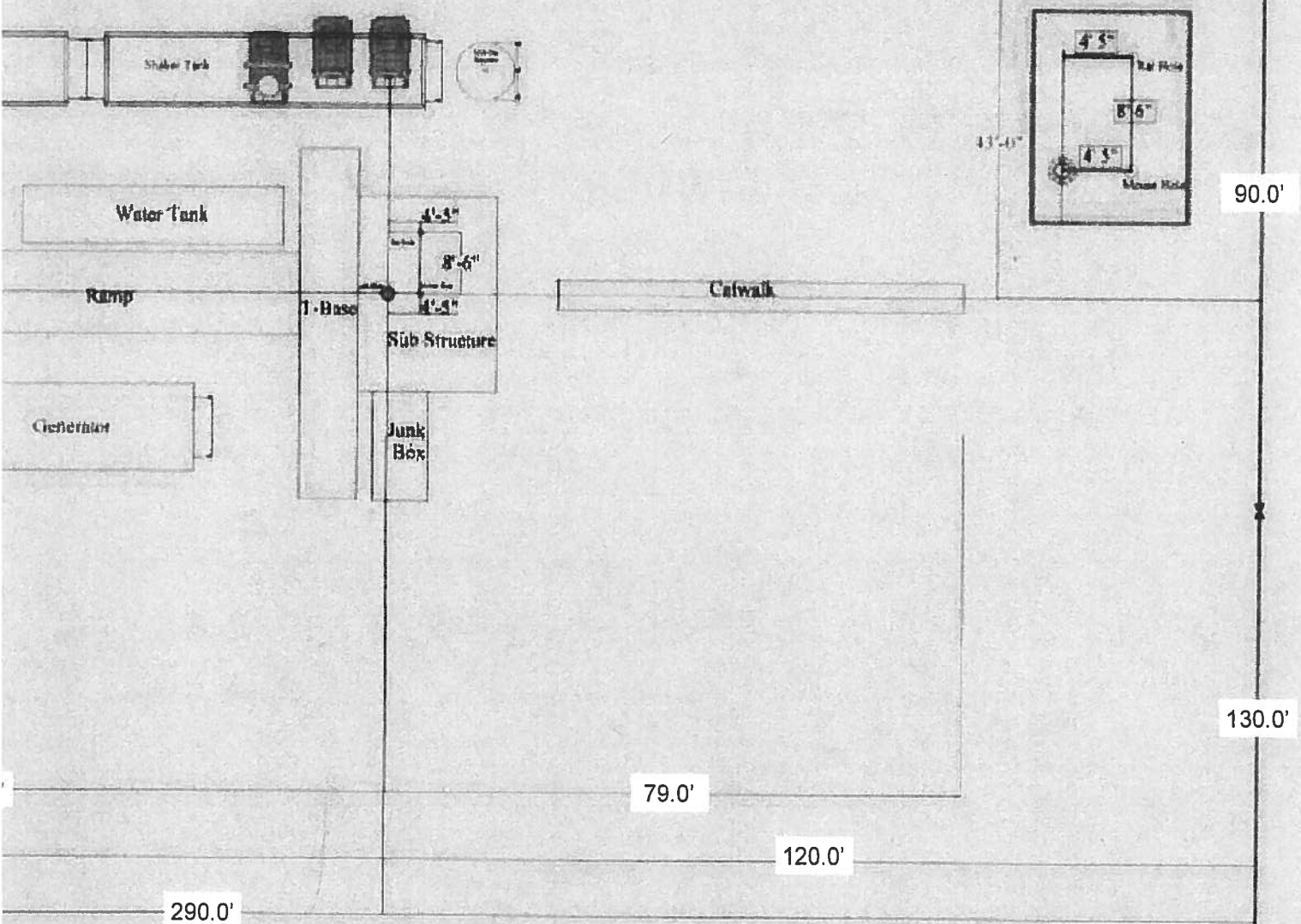
170.0'

290.0'

TSWS, Inc.

Razorback R

Reserve Pit



Razorback Rig/ Location Plat



MEMORANDUM

August 2, 2010

To: Nancy Welbaum, IDL
From: Ryan V. Morgan; P.E., LEED AP
Cc: Steve West; Jeff Hammel, E.I
Re: Additional Information for White Well.

Nancy,

Per your request via email last Friday please find attached the additional information regarding distances from the proposed well to the additional features requested.

Closest Gas Well – 6120' (Tracy Trust)

Closest Water Well – 775' (residential well located to the west across HWY 30)

Closest Structure – 680' (residential building located to the west across HWY 30)

Please note that the distance to the production boundary is not supplied as this boundary is yet to be determined.

Should you have additional questions please let us know.