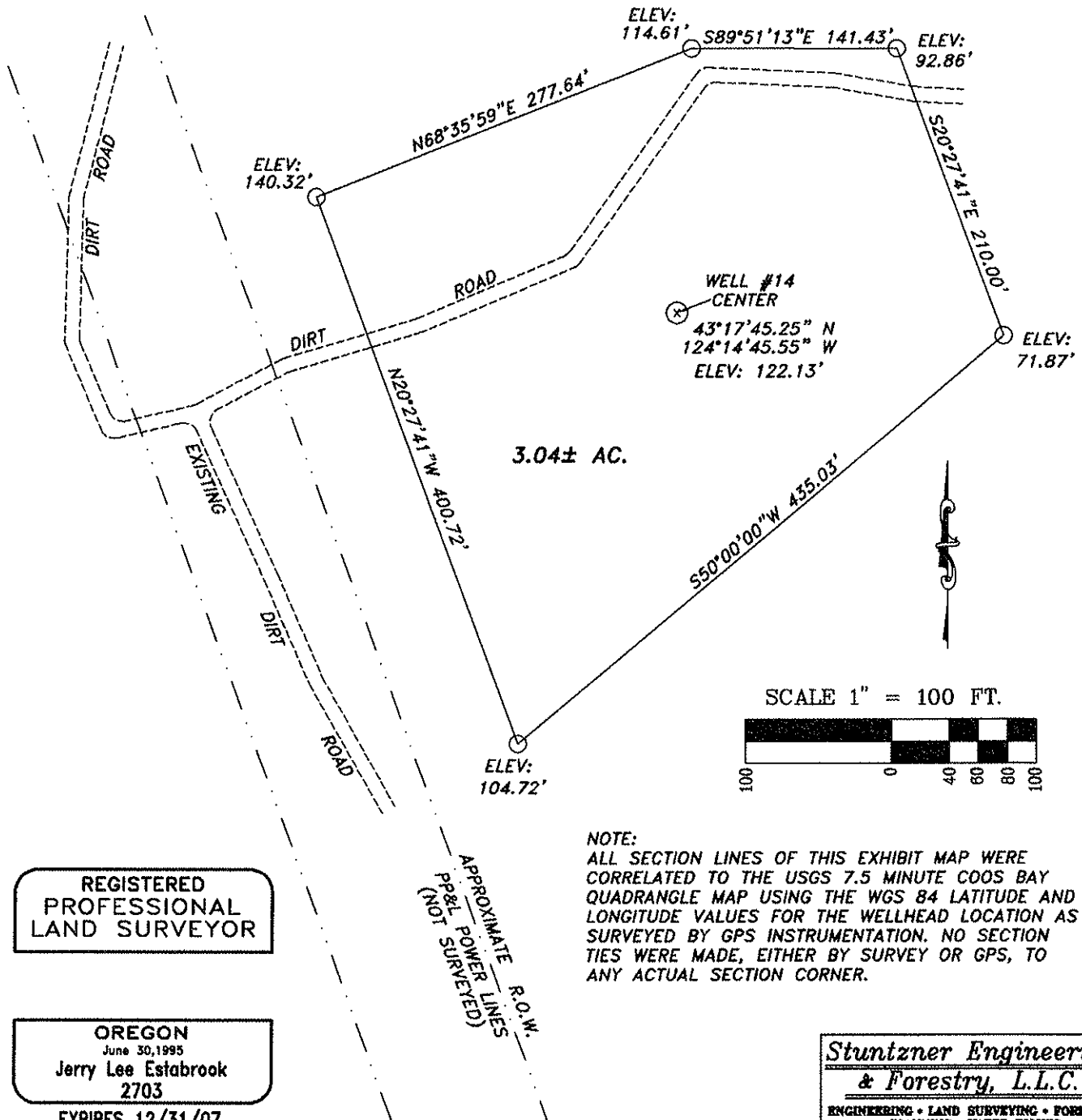


PLAN SHOWING SURVEY OF  
**MEC WESTPORT 15-21-26-13**  
 WELL SITE AND ACCESS ROAD  
 LOC. (SW SE SEC. 21, T26S, R13W, W.M.)  
 COOS COUNTY, OREGON

NOTE:  
 NO BODIES OF WATER WITHIN  
 250.00 FEET OF WELL SITE.



REGISTERED  
 PROFESSIONAL  
 LAND SURVEYOR

OREGON  
 June 30, 1995  
 Jerry Lee Estabrook  
 2703  
 EXPIRES 12/31/07

NOTE:  
 ALL SECTION LINES OF THIS EXHIBIT MAP WERE  
 CORRELATED TO THE USGS 7.5 MINUTE COOS BAY  
 QUADRANGLE MAP USING THE WGS 84 LATITUDE AND  
 LONGITUDE VALUES FOR THE WELLHEAD LOCATION AS  
 SURVEYED BY GPS INSTRUMENTATION. NO SECTION  
 TIES WERE MADE, EITHER BY SURVEY OR GPS, TO  
 ANY ACTUAL SECTION CORNER.

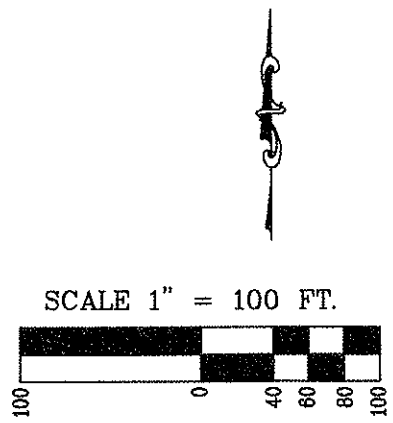
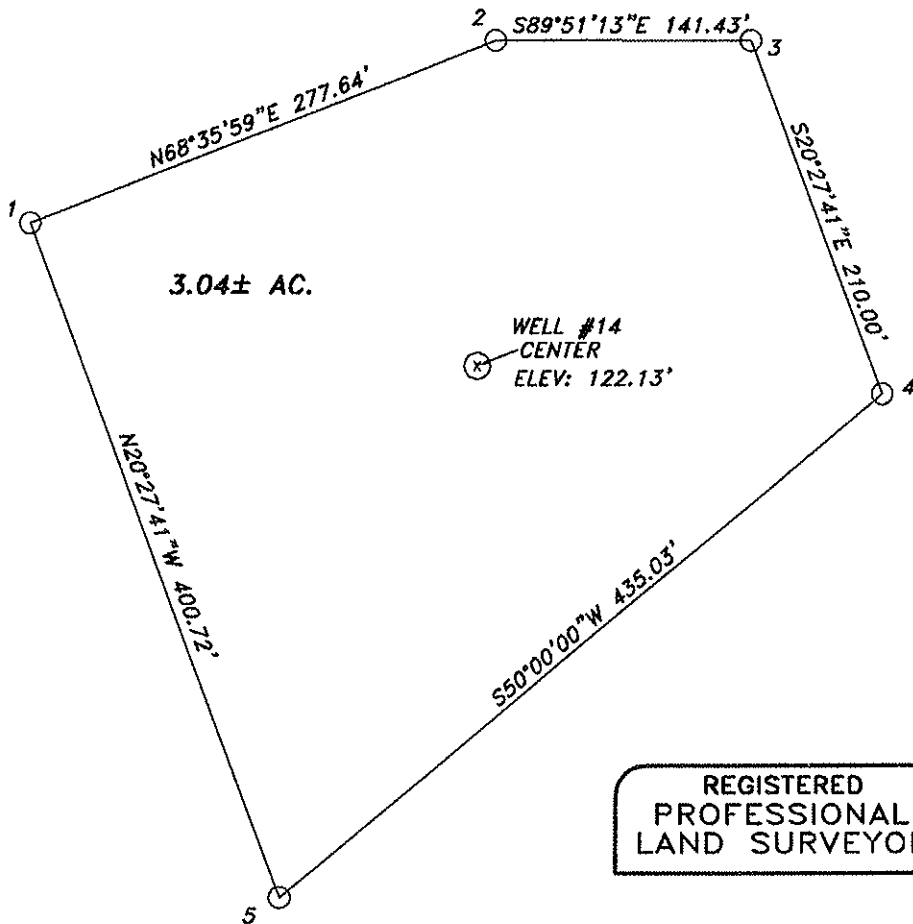
WITNESS - MEC

**Stuntzner Engineering  
 & Forestry, L.L.C.**  
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 PLANNING • WATER RIGHTS  
 706 South 4th St. Phone: (541) 267-2012  
 Post Office Box 110 Coos Bay, Oregon 97420 Fax: (541) 267-0608

Drawn By: Evin Stimpney	Date: June 30, 2008
Checked By: Jerry Estabrook	Drawing No.: 06-210 Site 14
Designed By:	Revised:
Job Name: MEC - WESTPORT 15-21-26-13	Sheet 1 of 3

**PLAN SHOWING SURVEY OF  
MEC WESTPORT 15-21-26-13  
WELL SITE AND ACCESS ROAD  
LOC. (SW SE SEC. 21, T26S, R13W, W.M.)  
COOS COUNTY, OREGON**

WELL NAME	SURFACE COORD.		BOTTOM HOLE COORD.		GROUND ELEV.
WESTPORT	} SEC. 21		—		122.13' (NAVD 88)
WELL NAME	GEOGRAPHIC SURFACE CO-ORD. (WGS 84)		GEOGRAPHIC BOTTOM HOLE		DISTANCE & BRG. TO SE SECTION COR.
WESTPORT	LAT.	43°17'45.25" N	LAT.		1810.31'± FEL 300.68'± FSL
	LONG.	124°14'45.55" W	LONG.		
WELL NAME	UTM CO-ORDINATES (ZONE 10)			AREA	
WESTPORT	SURFACE		BOTTOM HOLE		PAD SITE = 3.04± AC.
	15729102.917				ACCESS ROAD =
	1309142.416				TOTAL = 3.04± AC.



CORNER ELEVATIONS	
1	140.32'
2	114.61'
3	92.86'
4	71.87'
5	104.72'

**REGISTERED  
PROFESSIONAL  
LAND SURVEYOR**

**OREGON**  
June 30, 1995  
**Jerry Lee Estabrook**  
**2703**

**EXPIRES 12/31/07**

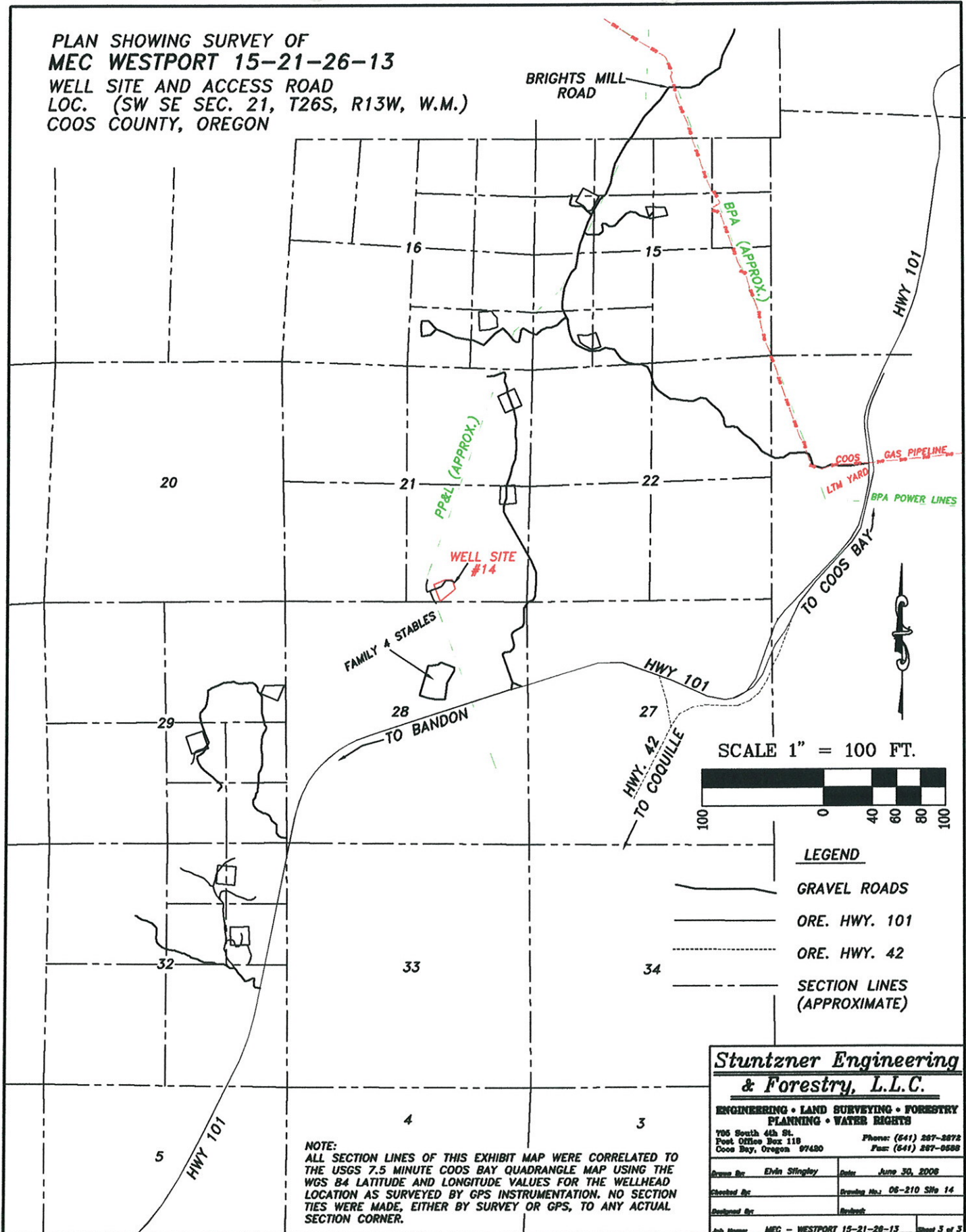
WITNESS - MEC

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706 South 4th St. Phone: (541) 267-2372  
Fossil Office Box 118 Coos Bay, Oregon 97420 Fax: (541) 267-0588

Drawn By: Elvin Stingley	Date: June 30, 2008
Checked By: Jerry Estabrook	Drawing No: DE-210 Site 14
Designed By:	Revised:

Job Name: MEC - WESTPORT 15-21-26-13 Sheet 2 of 3

**PLAN SHOWING SURVEY OF  
MEC WESTPORT 15-21-26-13  
WELL SITE AND ACCESS ROAD  
LOC. (SW SE SEC. 21, T26S, R13W, W.M.)  
COOS COUNTY, OREGON**



**NOTE:**  
ALL SECTION LINES OF THIS EXHIBIT MAP WERE CORRELATED TO THE USGS 7.5 MINUTE COOS BAY QUADRANGLE MAP USING THE WGS 84 LATITUDE AND LONGITUDE VALUES FOR THE WELLHEAD LOCATION AS SURVEYED BY GPS INSTRUMENTATION. NO SECTION TIES WERE MADE, EITHER BY SURVEY OR GPS, TO ANY ACTUAL SECTION CORNER.

**Stuntzner Engineering  
& Forestry, L.L.C.**

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Drawn By: Elvin Stingley Date: June 30, 2006

Checked By: \_\_\_\_\_ Drawing No.: 06-210 SH 14

Job Name: MEC - WESTPORT 15-21-26-13 Sheet 3 of 3

## Westport South SE SW Sec. 21, T26S, R13W

Location: ~ 2,450'E &amp; 700'N of SW corner Sec. 21, T26S, R13W

Dips ~ 0-15 degrees in all directions

<u>Feet</u> <u>Depths</u>	<u>Tops, Formations</u>	<u>Coal</u> <u>Thickness</u>	<u>Coal Packets</u>	<u>Prognosis</u> <u>Basis</u>
0	Sandstone, Lower Coaledo			
164	G Coal	5.0'		
169	Sandstone			
196	FG Coal	4.0'		
200	Sandstone			
221	F3 Coal	5.0'		
226	Sandstone/siltstone			
235	F2 Coal	2.0'		
237	Shale			
244	F1 Coal	2.0'		
246	Siltstone/coal			
278	E2 Coal	1.0'		
279	Shale/coal			
285	E1 Coal	4.0'		
289	Sandstone			
360	D Coal	7.0'		
367	Sandstone/shale			
536	C Coal	2.0'		
538	Sandstone			
1,091	#1 Coal	8.0'		
1,099	Sandstone			
1,150	7 Coals	10.0'		
1,160	Sandstone			
1,398	R Coal	3.0'		
1,401	Siltstone and Shale			
2,000	Volcanic Basement			

Total Coal **53'/1,237'** (164'-1,237')

## Comments:

- 1) Site is near apex and near center of Westport Anticline. Variable dips in vertical section, as anticline is likely asymmetrical.
- 2) Upper Y and X coals are eroded off at this location, so total coal thickness is much less than otherwise.
- 3) Volcanic basement rocks of Roseburg Formation are believed present from between 2,000 and 2,300 feet of surface.