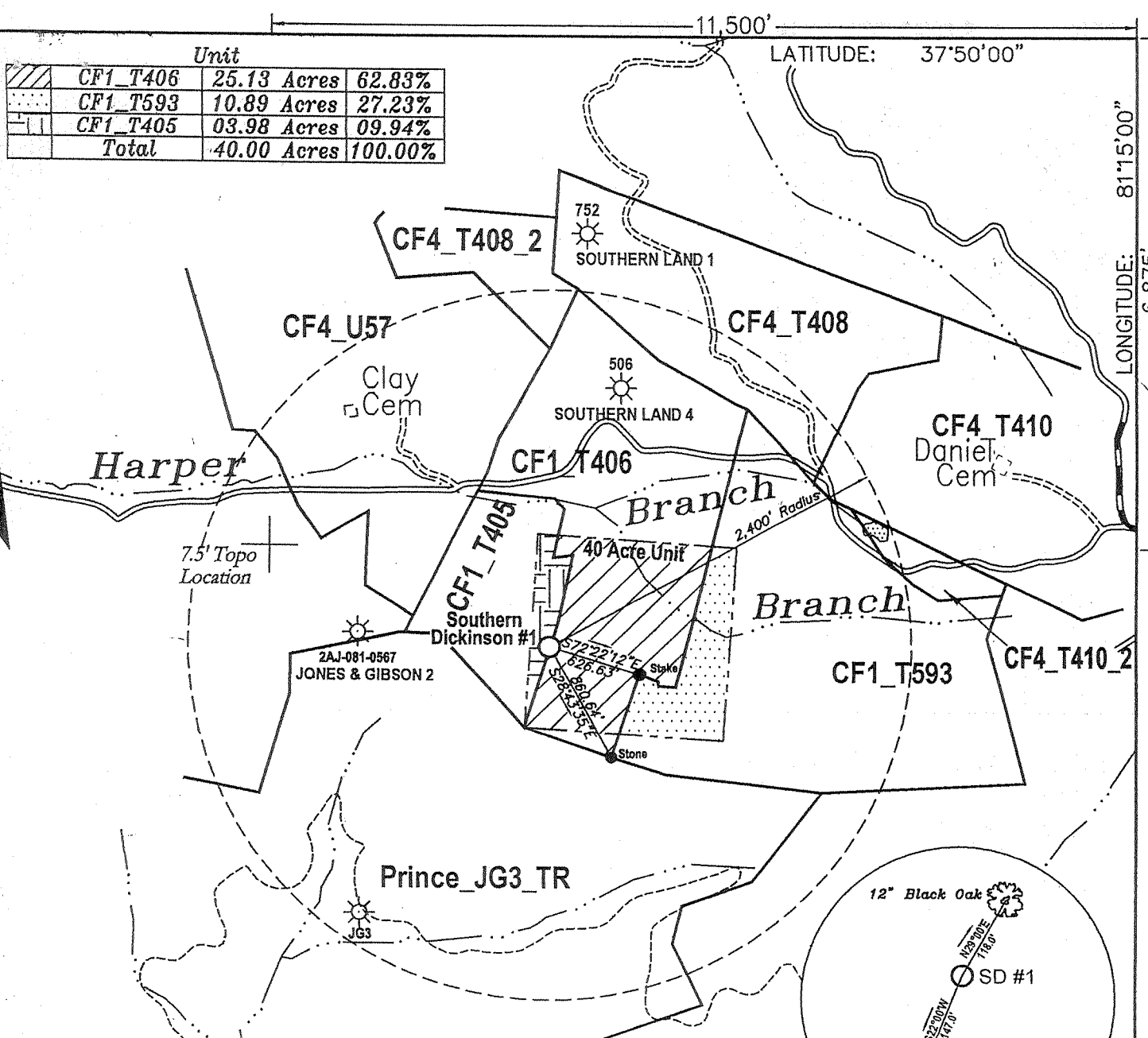
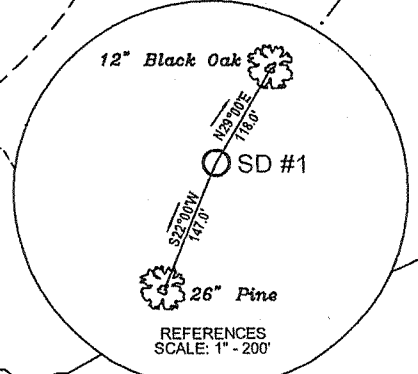


Unit	Acres	Percentage
CF1_T406	25.13	62.83%
CF1_T593	10.89	27.23%
CF1_T405	03.98	09.94%
<b>Total</b>	<b>40.00</b>	<b>100.00%</b>



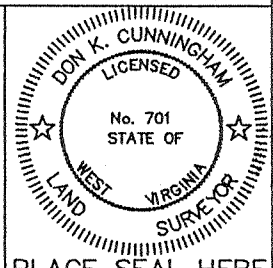
**NOTES:**  
 All known oil & gas wells within 2,400' of the proposed well location are shown hereon.  
 The bearings and distances shown hereon are based on the WV State Plane Coordinate System, South Zone, NAD '27.

Coordinates for Well  
 Southern Dickinson #1  
 West Virginia State Plane  
 South Zone NAD '27  
 N 296,696.82 : E 1,916,280.50



FILE NO. \_\_\_\_\_  
 DRAWING NO. Dickinson1WW6.dwg  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF  
 ACCURACY 1 : 13,297  
 PROVEN SOURCE OF  
 ELEVATION Global Positioning  
System (GPS)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY THE LAW AND THE REGULATIONS AND ISSUED PRESCRIBED BY THE DEPARTMENT OF ENERGY.  
 (SIGNED) Don K. Cunningham  
 R.P.E. \_\_\_\_\_ L.L.S. 701



STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS



DATE May 21 2004  
 OPERATOR'S WELL NO. Southern  
 API WELL NO. Dickinson #1  
47 - 081 - 01327C  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 2,314.20' WATER SHED Harper Branch of Sandlick Creek  
 DISTRICT Clear Fork COUNTY Raleigh  
 QUADRANGLE Eccles  
 SURFACE OWNER Southern Land Company LTD, etal ACREAGE 155.35  
 OIL & GAS ROYALTY OWNER Southern Land Company LTD, etal LEASE ACREAGE 155.35

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
 STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
 FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION POCAHONTAS ESTIMATED DEPTH 1350'  
 WELL OPERATOR Amvest Oil & Gas, Inc. DESIGNATED AGENT Anthony A. Wilhoit  
 ADDRESS One Boar's Head Pointe ADDRESS 230 Capitol Street, Charleston, WV 25325  
P.O. Box 5347, Charlottesville, VA

11,500'  
 LATITUDE: 37°50'00"  
 81°15'00"  
 5487.9  
 COUNTY NAME RALEIGH  
 PERMIT 1327C

6-6 (249)

JUL 16 2004

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

*for*  
**RECEIVED**  
Office of Oil & Gas  
**MAR 18 2005**  
WV Department of  
Environmental Protection

Well Operator's Report of Well Work

Farm name: Southern Land Company Operator Well No.: SD-1

LOCATION: Elevation: ~~2328.98~~ 2314.20 Quadrangle: Eccles

District: Clear Fork County: Raleigh  
Latitude: 0 Feet South of 37 Deg. 48 Min. 54.04 Sec.  
Longitude 0 Feet West of 81 Deg. 17 Min. 23.32 Sec.

Company: AMVEST Oil and Gas, Inc.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>One Boar's Head Pointe</u>	13 3/8"	20'	20'	N/A
<u>Charlottesville, Virginia 22905</u>	7"	498'	498'	118
Agent: <u>Anthony A. Wilhoit</u>	4 1/2"	1227'	1227'	179.63
Inspector: <u>Richard Campbell</u>				
Date Permit Issued: <u>June 10, 2004</u>				
Date Well Work Commenced: <u>9/17/2004</u>				
Date Well Work Completed: <u>11/1/2004</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary x Cable Rig Union #39				
Total Depth (feet): <u>1242</u>				
Fresh Water Depth (ft.): <u>N/A</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>533-537, 689-691, 1105-1108, 1119-1123</u>				

OPEN FLOW DATA

Producing formation Pocahontas #2 and #3 Seams Pay zone depth (ft) 1095-1114  
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 60 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests N/A Hours  
Static rock Pressure 220 psig (surface pressure) after 24 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: John F. Sinclair  
By: John F. Sinclair VP Exploration  
Date: 3/14/05

MAY 20 2005

RAV 1327 C

Well: SD-1  
 Permit Number: 47-081-01327C  
 District: Clear Fork  
 County: Raleigh

**DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.**

Date: 11/1/2004

MIRU Halliburton and Key Energy; Perforate Pocahontas #2 @ 1109-1114'; 18 holes;  
 Perforate Pocahontas #3 @ 1094.5-1098.5; 12 holes.

Stage 1 - Pocahontas #2 and #3 coals

Hookup HES and pressure test; breakdown coals at 1372 psi; 15% FE acid ballout;  
 immediately begin pumping 70Q foam pad; start ramping 16/30 sand @ .25-3.0 ppg;  
 well sanded off after 32 sks in; quickflush

<u>Item</u>	<u>Planned</u>	<u>Actual</u>	<u>Treatment Remarks</u>
Water Vol.	200 bbls	105 bbls	Avg. Foam Rate 30 bpm
Sand lbs.	35,000#	21,280#	Avg. Treating Pres. 2600 psi
N2 Vol.	283,000 scf	262,000 scf	Max psi 4000 psi
			Final ISIP N/A

SandWedge was added to sand laden fluid

Formation	Top	Bottom	Remarks
Clay	7	18	
Sand and Shale	18	355	
White Sand	355	454	soap pump on hole at 440'
Shale	454	533	damp
Coal	533	537	
Sand and Shale	537	689	
Coal	689	691	
Sand and Shale	691	809	
Salt Sand	809	1057	1/4" stream at 835'
Sand and Shale	1057	1105	
Coal	1105	1108	
Sand and Shale	1108	1119	Pocahontas #2
Coal	1119	1123	
Sand and Shale	1123	1210	Pocahontas #3
Red&Grn Shale	1210		gas odor @ 1242'