

WELL REFERENCES:

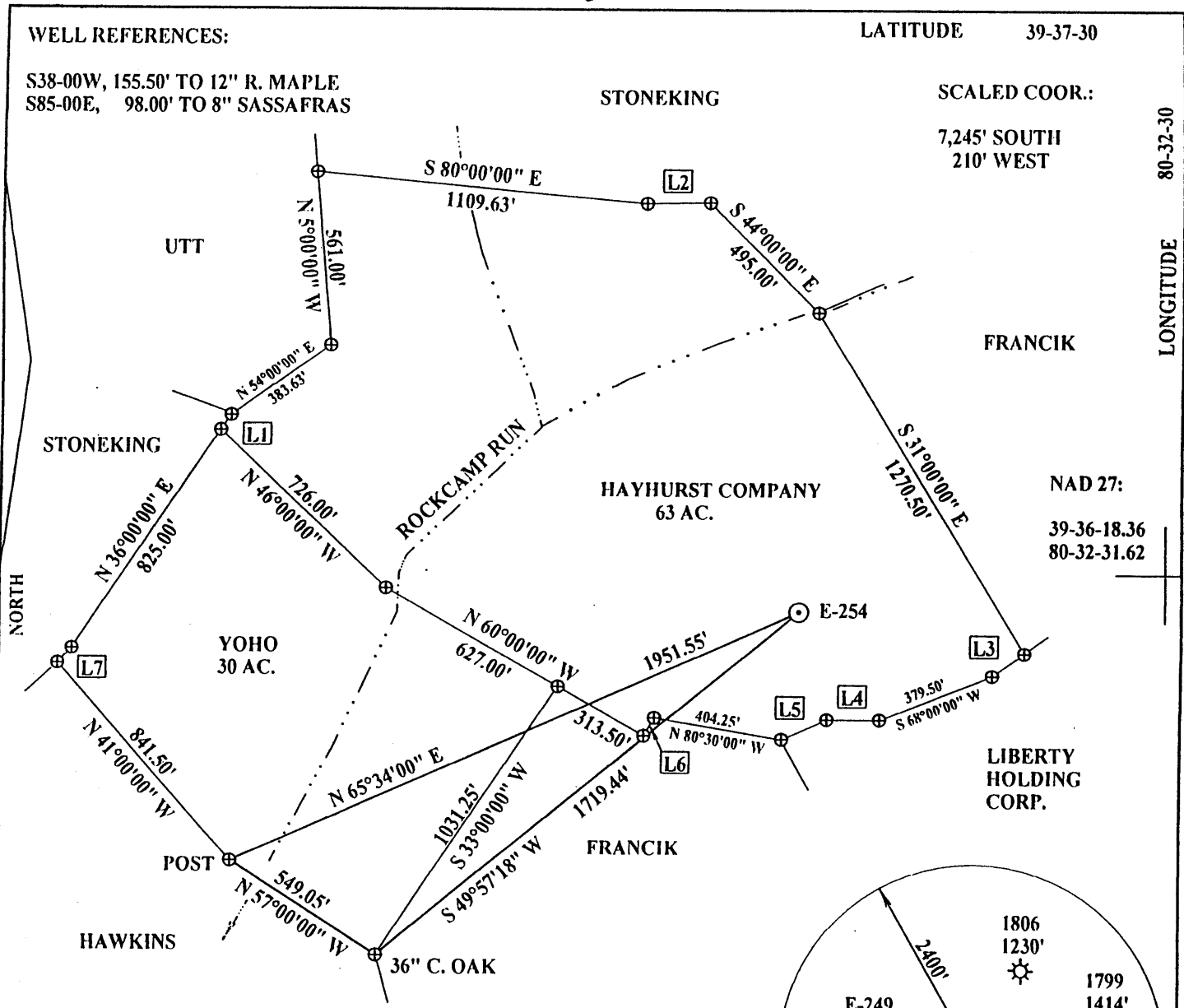
S38-00W, 155.50' TO 12" R. MAPLE  
S85-00E, 98.00' TO 8" SASSAFRAS

LATITUDE 39-37-30

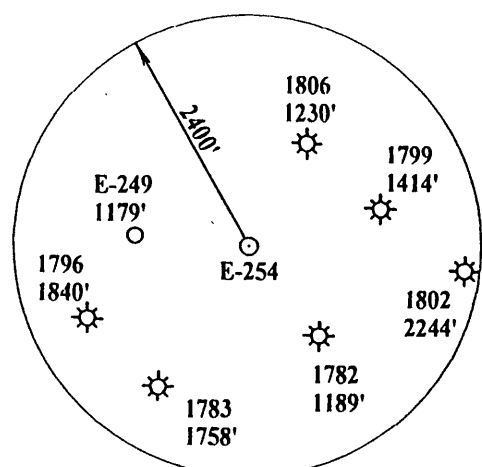
SCALED COOR.:

7,245' SOUTH  
210' WEST

LONGITUDE 80-32-30



Id	Bearing	Distance
L1	N 34°00'00" E	57.75'
L2	N 89°00'00" E	198.00'
L3	S 54°00'00" W	123.75'
L4	S 90°00'00" W	165.00'
L5	S 66°00'00" W	156.75'
L6	S 30°00'00" W	66.00'
L7	N 42°00'00" E	66.00'



NAD 27 WV NORTH SPC:

E-254 = 404,204.19'  
1,706,378.85'

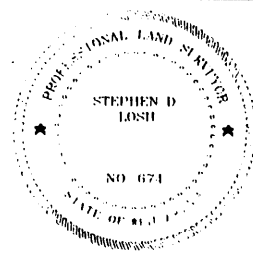
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER: \_\_\_\_\_  
DRAWING NUMBER: EXCHAHRST2.PCS  
SCALE: 1" = 500'  
MINIMUM DEGREE OF ACCURACY: 1 IN 200  
PROVEN SOURCE OF ELEVATION: DGPS SURVEY 05/19/03  
SUBMETER SYSTEM

I THE UNDERSIGNED, HEREBY STATE THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

(SIGNED)

STEPHEN D. LOSII, P.S. #674



PLACE SEAL HERE

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
#10 M. JUNKIN ROAD  
NITRO, WV 25143-2506

LAND SURVEYING SERVICES  
21 CEDAR LANE, BRIDGEPORT, WV 26330  
PHONE: 304-842-2018 OR 842-5762

DATE: MAY 20, 2003

OPERATORS WELL NO.: E-254  
API WELL NO. HAYHURST #2

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

47 - 103 - 01961  
STATE COUNTY PERMIT

LOCATION: ELEVATION 1380.18' WATERSHED ROCKCAMP RUN

DISTRICT GRANT COUNTY WETZEL

QUADRANGLE BIG RUN LEASE NUMBER \_\_\_\_\_

SURFACE OWNER JAMES A. YOHO ACREAGE 63.00

OIL & GAS ROYALTY OWNER HAYHURST COMPANY LEASE ACREAGE 63.00

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_  
PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE (SPECIFY) \_\_\_\_\_

TARGET FORMATION BAYARD PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
ESTIMATED DEPTH 4000'

WELL OPERATOR EXCEL ENERGY, INC. DESIGNATED AGENT HARRY BARNETT

ADDRESS P. O. BOX 1020 BRIDGEPORT, WV 26330 ADDRESS P. O. BOX 1020 BRIDGEPORT, WV 26330

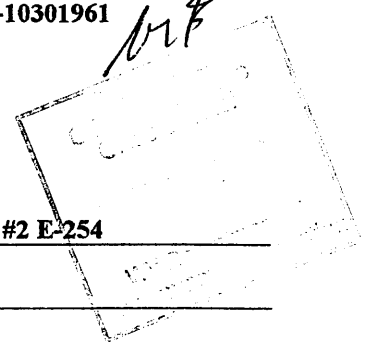
COUNTY NAME WETZEL  
PERMIT 1961

6-6 Big Run (Burchfield) (OAS)

MAY 20 2003

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work



Farm Name: Yoho, James A. Operator Well No: Hayhurst #2 E-254

LOCATION: Elevation: 1,380.18' Quadrangle: Big Run

District: Grant County: Wetzel  
Latitude: 7,245' Feet South of 39 Deg. 37 Min. 30 Sec.  
Longitude: 210' Feet West of 8039 Deg. 32 Min. 30 Sec.

Company: EXCEL ENERGY, INC.

	Casing & Tubing	Used in Drilling	Left in Hole	Cement fill Up Cu. Ft.
Address: <u>PO Box 1020</u>	<u>9 5/8"</u>	<u>219'</u>	<u>219'</u>	<u>65 sks</u>
<u>Bridgeport, WV 26330</u>	<u>7"</u>	<u>2,311'</u>	<u>2,311'</u>	<u>240 sks</u>
Agent: <u>H.L. Barnett</u>	<u>4 1/2"</u>	<u>3,562'</u>	<u>3,562'</u>	<u>185 sks</u>
Inspector: <u>Mike Underwood</u>				
Date Permit Issued: <u>06/18/2003</u>				
Date Well Work Commenced: <u>08/31/2003</u>				
Date Well Work Completed: <u>09/21/2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Depth (feet): <u>3,696'</u>				
Fresh Water Depth (ft.): <u>20' &amp; 125'</u>				
Salt Water Depth (ft.): <u>1,928' &amp; 1,123'</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>1,030', 1,100' &amp; 1,123'</u>				

OPEN FLOW DATA

Producing formation Injun, 50', Gordon, Bayard, 4<sup>th</sup> and 5<sup>th</sup> Pay zone depth (ft) 2,400' - 3,500'

Gas: Initial open flow Show MCF/d Oil: Initial open flow Show Bbl/d  
 Final open flow 558 MCF/d Final open flow 5 Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static Rock Pressure 734 psig (surface pressure) after 734 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 FOLLOING: 1.) DETAILS OF PERFORATED INTERVALS, FRACTURING, OR STIMULATING, PHYSICAL CHANGE. FTC. 2). THE WELL LOG WHICH IS A SYNTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELL BORE.

Signed: \_\_\_\_\_  
 By: H.L. Barnett, President  
 Date: November 7, 2003

NOV 24 2003

WET 1961

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

- STAGE I Bayard/5<sup>th</sup>** (3,555' ) Fraced with 178 bbls water, 750 gal Acid, 20,000# sand and 393,000 SCF N2.
- STAGE II 4<sup>th</sup>** (3,254' – 3,266') Fraced with 167 bbls water, 500 gal Acid, 26,000# sand and 361,000 SCF N2.
- STAGE III Gordon** (3,176' – 3,200') Fraced with 172 bbls water, 500 gal Acid, 28,000# sand and 424,000 SCF N2.
- STAGE IV Injun** (2,468' – 2,489') Fraced with 205 bbls water, 750 gal Acid, 35,000#sand and 391,000 SCF N2.

## WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal oil and gas
Top Soil			0	5	
RR & Shale			5	405	1/4" Stream water @ 20' & 125'
Sand & Shale			405	660	
RR & Shale			660	720	
Sand & Shale			720	1030	
Coal			1030	1035	
Sand & Shale			1035	1100	
Coal			1100	1109	
Sand & Shale			1109	1123	
Coal			1123	1128	
Shale			1128	1412	
RR			1412	1430	
Sand & Shale			1430	2160	Damp @ 1,928', heavy dust, 1/4" stream Water @ 2,070'.
RR & Shale			2160	2220	
Sand, Shale & RR			2220	2296	
Little Lime & Shale			2296	2308	
Sand & Shale			2308	2330	
Big Lime			2330	2466	
Pocono			2466	2606	
Sand & Shale			2606	2730	
Berea			2730	2780	
Sand & Shale			2780	3098	
30 Foot			3098	3112	
Sand & Shale			3112	3170	
Gordon			3170	3210	
Sand & Shale			3210	3240	
4 <sup>th</sup> and 5 <sup>th</sup> Sand			3240	3315	Odor @ 3,245'
Sand & Shale			3315	3400	
5 <sup>th</sup> Bayard			3400	3536	
Sand & Shale			3696'		TD