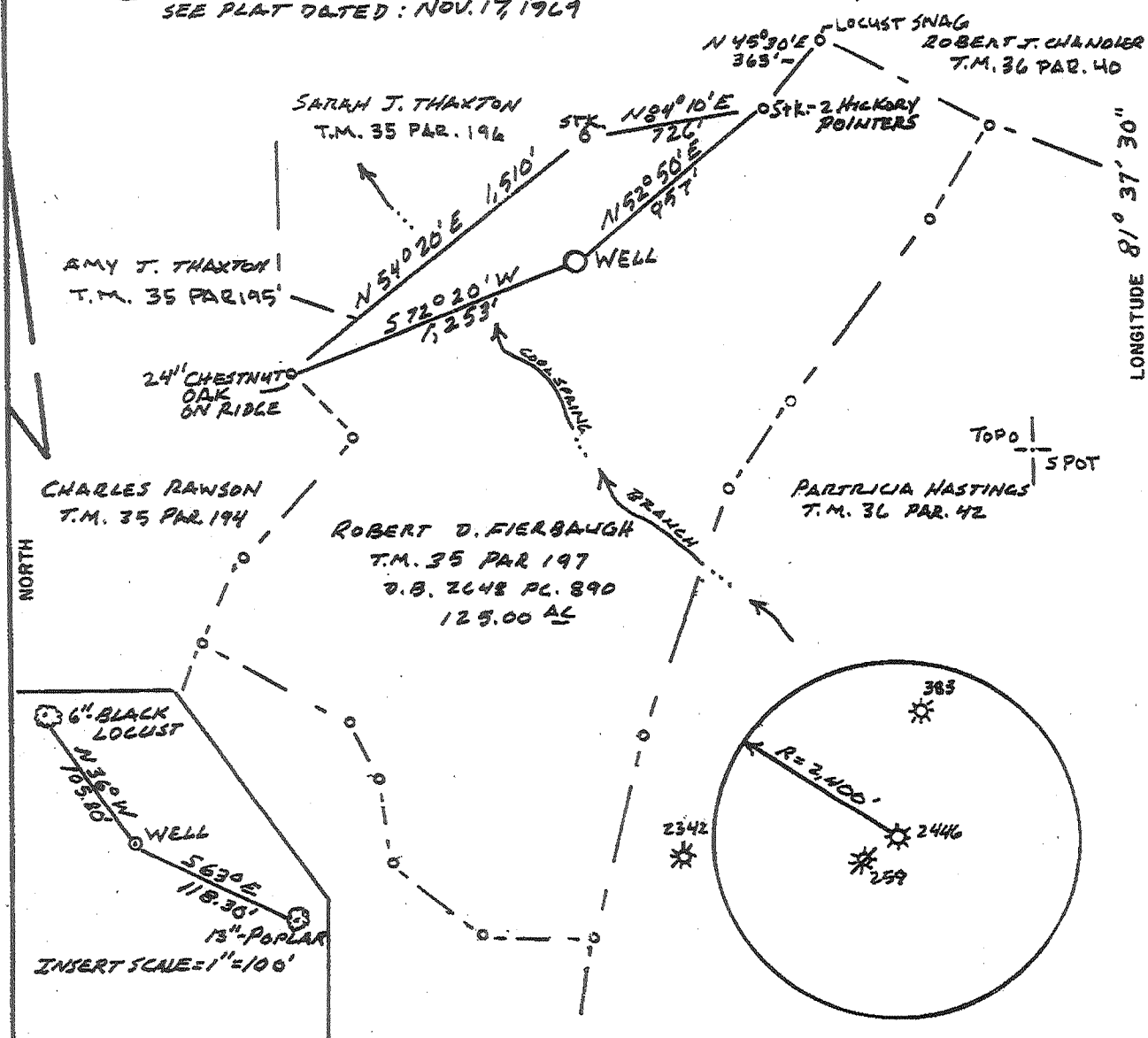


← 1,600' →

NOTE: ① PLAT FOR PERMIT PURPOSE ONLY.  
② FOR ACTUAL FIELD SURVEY  
SEE PLAT DATED: NOV. 17, 1969

LATITUDE 38° 30' 00"

LONGITUDE 81° 37' 30"



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" INCH = 400'-FEET  
 MINIMUM DEGREE OF ACCURACY 1" IN 200'  
 PROVEN SOURCE OF ELEVATION OPERATORS WELL RECORD

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 LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) \_\_\_\_\_  
 R. P. E. \_\_\_\_\_ L. L. S. 7423

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)



DATE JUNE 26, 2010  
 OPERATOR'S WELL NO. 1  
 API WELL NO. \_\_\_\_\_  
47 - 039 - 02446 P/P/F  
 STATE COUNTY PERMIT

Division of Environmental Protection  
 Office of Oil & Gas

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_)  
 LOCATION: ELEVATION 798.1' WATER SHED COOLSPRING BRANCH OF TUPPER CREEK  
 DISTRICT POCA COUNTY KANAWHA  
 QUADRANGLE POCATALICO 7.5'  
 SURFACE OWNER ROBERT D. FIERBAUGH ACREAGE 125  
 OIL & GAS ROYALTY OWNER ED BROOME, ET AL. LEASE ACREAGE 125  
 LEASE NO. \_\_\_\_\_

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

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION CRISKAWAY ESTIMATED DEPTH 4,950'  
 WELL OPERATOR VIKING ENERGY, INC. DESIGNATED AGENT MICHAEL PINKERTON  
 ADDRESS P.O. BOX 13366 ADDRESS SAME AS OPERATOR  
SISSONVILLE, WV 25360

Charleston, WV

08/20/2010

CHARLESTON BLUEPRINT 092941

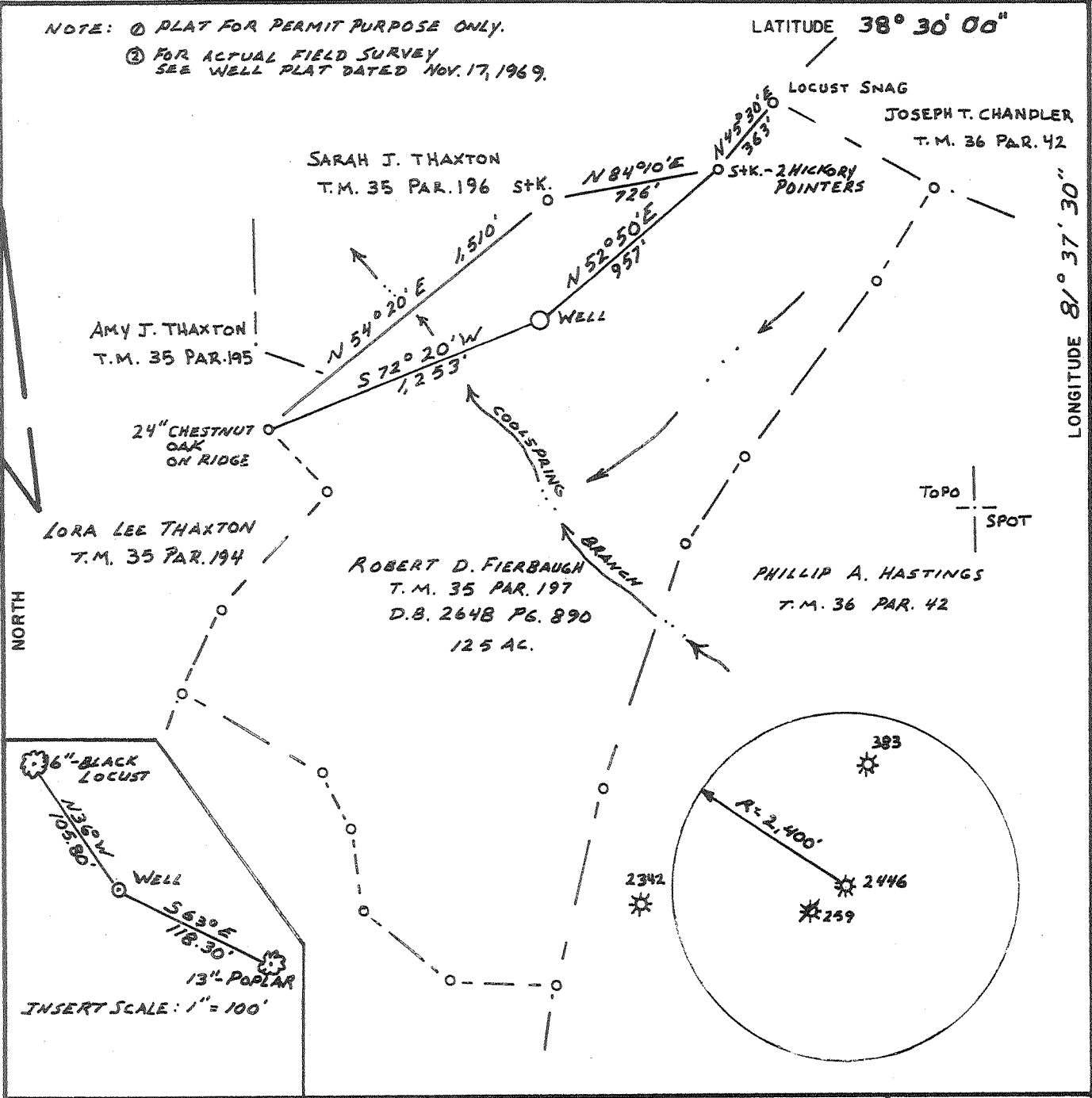
1,600'

NOTE: ① PLAT FOR PERMIT PURPOSE ONLY.  
② FOR ACTUAL FIELD SURVEY SEE WELL PLAT DATED NOV. 17, 1969.

LATITUDE 38° 30' 00"

LONGITUDE 81° 37' 30"

7,120'



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" INCH = 500'-FEET  
 MINIMUM DEGREE OF ACCURACY 1/2 IN 200'  
 PROVEN SOURCE OF ELEVATION OPERATOR'S WELL RECORD.

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 LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) \_\_\_\_\_  
 R. P. E. \_\_\_\_\_ L. L. S. 1423

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)



Division of Environmental Protection  
 Office of Oil & Gas

DATE FEBRUARY 17, 2007  
 OPERATOR'S WELL NO. 1  
 API WELL NO. 47-039-02446-F  
 STATE COUNTY PERMIT

CANCELLED

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS", PRODUCTION  STORAGE \_\_\_ DEEP  SHALLOW \_\_\_  
 LOCATION: ELEVATION 798.1 WATER SHED COOLSPRING BRANCH OF TUPPER CREEK  
 DISTRICT POCA COUNTY KANAWHA  
 QUADRANGLE POCATALICO 7.5'

SURFACE OWNER ROBERT D. FIERBAUGH ACREAGE 125  
 OIL & GAS ROYALTY OWNER ED BROOME, ET AL. LEASE ACREAGE 125  
 LEASE NO. \_\_\_\_\_

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

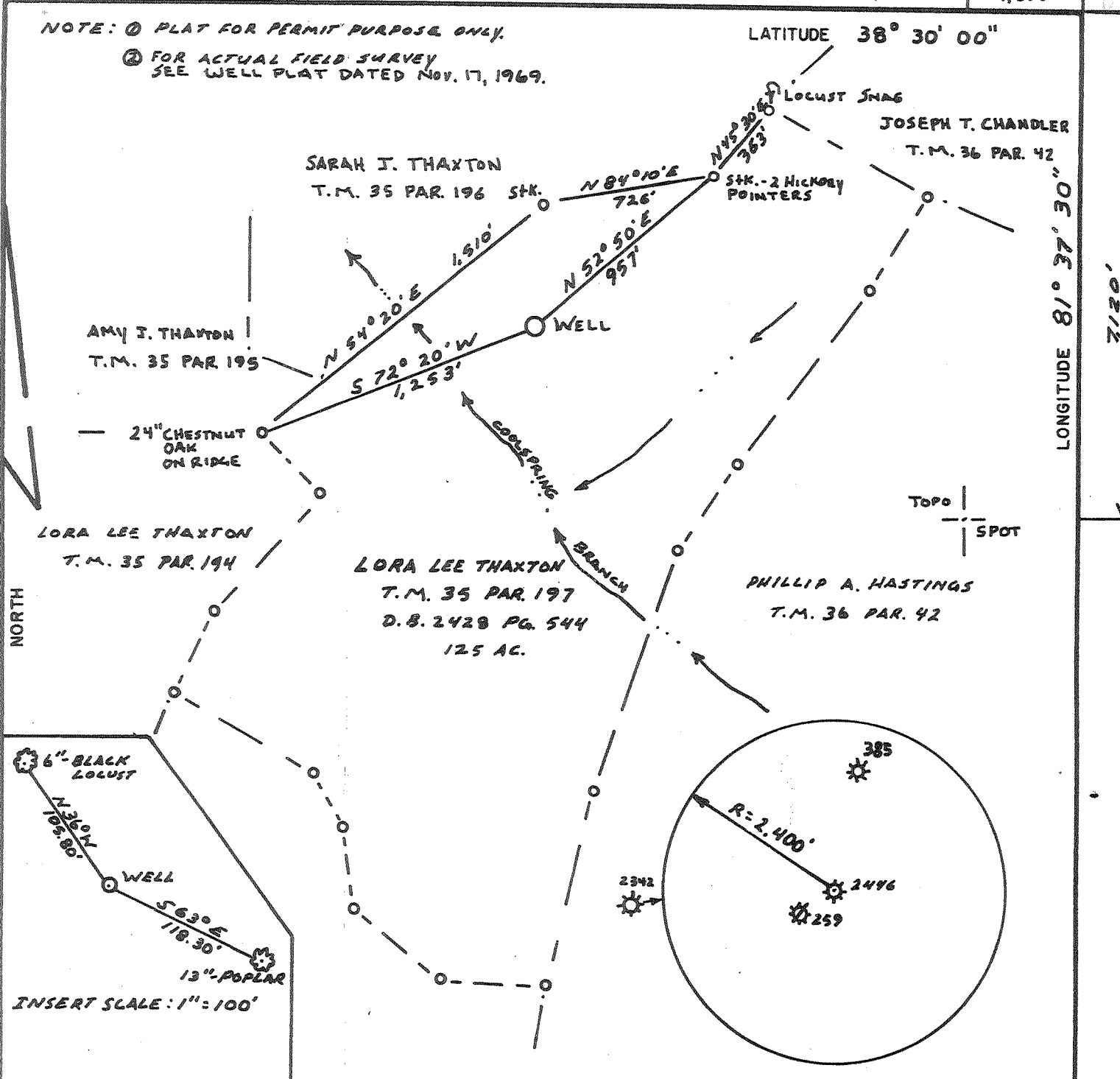
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 4,950' NOV 27 2009  
 WELL OPERATOR VIKING ENERGY, DESIGNATED AGENT MICHAEL PINKERTON  
 ADDRESS P.O. BOX 13366 ADDRESS SAME AS OPERATOR  
 51556VILLE, WV 25360

CHARLESTON BLUEPRINT 032941

NOTE: ① PLAT FOR PERMIT PURPOSE ONLY.  
② FOR ACTUAL FIELD SURVEY SEE WELL PLAT DATED NOV. 17, 1969.

LATITUDE 38° 30' 00"

LONGITUDE 81° 37' 30"



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 100' FEET  
 MINIMUM DEGREE OF ACCURACY 1' IN 200'  
 PROVEN SOURCE OF ELEVATION OPERATOR'S WELL RECORD.

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 LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) \_\_\_\_\_  
 R. P. E. \_\_\_\_\_ L. L. S. 1423

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)



Division of Environmental Protection  
 Office of Oil & Gas

DATE OCTOBER 16, 2004  
 OPERATOR'S WELL NO. 1  
 API WELL NO. 47 - 039 - 02446PP/F  
 STATE COUNTY PERMIT

CANCELLED.  
 PERMIT EXPIRED

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION X STORAGE \_\_\_\_\_ DEEP X SHALLOW \_\_\_\_\_)  
 LOCATION: ELEVATION 798.1 WATER SHED COOLSPRING BRANCH OF TUPPERS CREEK  
 DISTRICT POCA COUNTY KANAWHA  
 QUADRANGLE POCOTALICO 7.5'

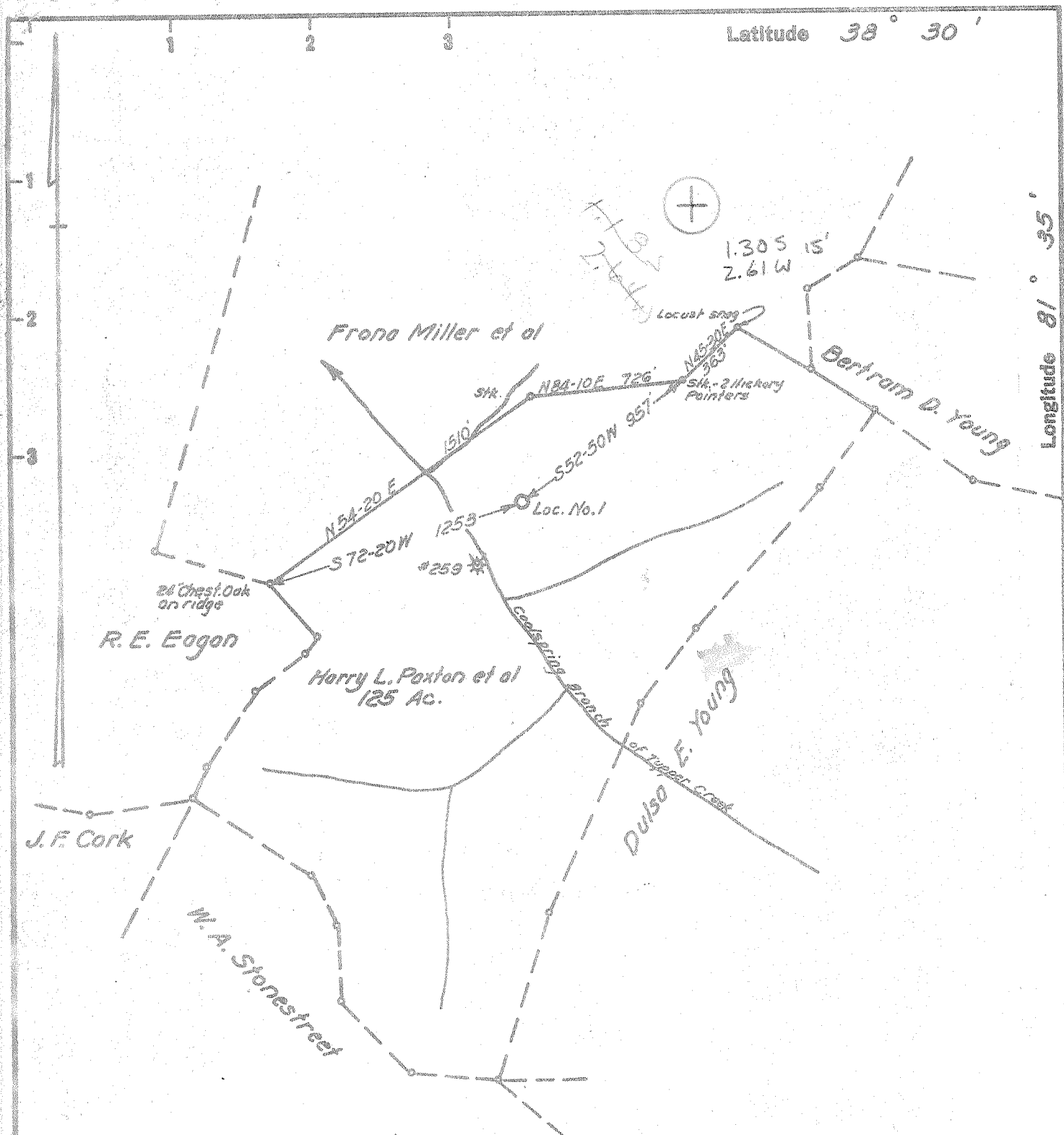
SURFACE OWNER LORA LEE THAXTON ACREAGE 125  
 OIL & GAS ROYALTY OWNER ED BROOME, ET AL. LEASE ACREAGE 125  
 LEASE NO. \_\_\_\_\_

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

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION ORISKANEY ESTIMATED DEPTH 4,950'  
 WELL OPERATOR VIKING ENERGY, INC. DESIGNATED AGENT MICHAEL PINKERTON  
 ADDRESS P.O. BOX 13366 ADDRESS SAME AS OPERATOR  
SISSONVILLE, WV 25360

FEB 01 2008

KAN 2446 CMC.



Accuracy of survey is within limits set by the Oil & Gas Division, W. Va. Dept. of Mines.

Elevation based on U.S.G.S. B.M. # TT-22, standard metal plate in concrete block north of Legg Fork Road, 1,300' west of mouth of Prillerman Hollow. Elevation 645.0.

New Location   
 Drill Deeper   
 Abandonment

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

*John H. Burnett*

Company	ASHLAND OIL & REFINING CO.	
Address	ASHLAND, KENTUCKY	
Farm	HARRY L. PAXTON ET AL UNIT	
Tract	Acres 125	Lease No. _____
Well (Farm) No.	1	Serial No. 5014
Elevation (Spirit Level)	798.1	
Quadrangle	CHARLESTON	NC
County	KANAWHA	District POCA
Engineer	John H. Burnett	
Engineer's Registration No.	1442	
File No.	44-B	Drawing No. _____
Date	NOV. 17, 1969	Scale 1"=660'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. Jan-2446

+ Denotes location of well on United States Topographic Maps, scale 1 to 82,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

Rotary    
 Spudder    
 Cable Tools    
 Storage    
 Oil or Gas Well  **Gas** (KIND)

Quadrangle Charleston  
 Permit No. Kan-2446

**WELL RECORD**

Company Ashland Oil, Inc.  
 Address P. O. Box 391, Ashland, Ky. 41101  
 Farm Harry L. Paxton Acres 125  
 Location (waters) Coolspring Br. of Tupper Cr.  
 Well No. et al Unit #1-5014 Elev. 797 G. L.  
 District Poca County Kanawha  
 The surface of tract is owned in fee by Otis R. Thaxton et al  
 Phone #343-1353 Address Charleston, W. Va.  
 Mineral rights are owned by Harry L. Paxton et al  
Box 566 Address St. Albans, W. Va.  
 Drilling commenced December 2, 1969  
 Drilling completed December 14, 1969  
 Date Shot From To

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
20"	14'	14'	Cem. @ 29' Kind of Packer
13	258'	258'	Cem. @ 275' Size of
11 3/4"	1904'	1904'	Cem. @ 1921' Depth set
8 5/8"	5634'	5634'	Cem. @ 5649'
6 5/8"			
5 1/2"	5671'	5671'	Cem. @ 5685'
4 1/2"			
3"			
2 3/8"			
Liners Used			Perf. top Perf. bottom

With   
 Open Flow /10ths Water in 75" Merc. in 3" Side Static Inch  
 Volume After frac 6,790 M Cu. Ft.  
 Rock Pressure 1351 lbs. 24 hrs.  
 Oil 12/20/69 bbls., 1st 24 hrs.  
 WELL ACIDIZED (DETAILS) 55 gal. Biocide B-11  
500 gal. 28% acid, 1,000 gal. 15% acid  
 WELL FRACTURED (DETAILS) 12/20/69 - 831 bbl. wtr, 30,000# 2/40 Sd, 30# WG-6, 30# WAC-10,  
300# CWI, 20 gal. Moreflo, 20 gal. HALCO Suds, 1% KCl. Avg. Halco suds, 1% KCl, Avg. Inj. 20.6 B/M  
 RESULT AFTER TREATMENT (Initial open Flow or bbls.)  
 ROCK PRESSURE AFTER TREATMENT 1335# 1/5/70 HOURS  
 Fresh Water Feet Salt Water Feet  
 Producing Sand Newburg Sand Depth 5684-5704

Attach copy of cementing record: 11 3/4" w/125 sx 12/4/69  
 CASING CEMENTED 8 5/8" w/235 sx No. Ft. Date  
 Amount of cement used (bags) 5 1/2" w/130 sx.  
 Name of Service Co. Dowell, Halliburton, Dowell  
 COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

(6790 MCF) 6,790,000  
 Depth 5684-5704

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale & Sd			0	1073			
Salt Sand			1073	1356			
Shale			1356	1508			
Little Lime			1508	1559			
Pencil Cave			1559	1563			
Big Lime			1563	1737			
Injun			1737	1780			
Berea			2190	2197			
Shale			2197	4796			
Corniferous			4796	4899			
Oriskany			4899	4946			
Lime & Dolomite			4946	5684			
Newburg			5684	5704			
Dolomite			5704	5710			
DTD			5710	5710			

*Handwritten notes in table:*  
 5684  
 798  
 4886  
 5684  
 4899  
 715  
 McK

No Electric Logs Run

RECEIVED  
 APR 29 1970  
 OIL & GAS DIVISION

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
ASING RECORD:							
4' of 20" Conductor @ 29'							Dec. 2, 1969 by rig crew.
58' of 11 3/4" 42# H-40 @ 275'							Cem. w/125 sx. Cem. by Dowell on 12/4/69.
904' of 8 5/8" 24# H-40 @ 1921'							w/235 sx. light Pozmix and 100 sx. Standard cem. w/2% Calcium chloride. Use HOWCO guide shoe, insert float valve, self-filling and 2 - S3 centralizers by Halliburton on 12/7/69.
634' of 5 1/2" 17# N-80 @ 5649'							w/130 sx. Bulk Cem., 5 CWT 5 sx Pluggest. Used 1 guide shoe, 5 centralizers and 1 float insert, self-filling by Dowell 12/12/69
671' of 2 3/8" 4.6# J-55 tubing @ 5685'							on hanger.
WT 12/19/69							1351 psig, 761 MCF/D before Frac
2/20/69 Water frac by Halliburton.							Displaced 55 gal. Biocide B-11, 500 gal. 28% acid, 1000 gal. 15% acid, frac w/831 bbl. w/30,000# 20/40 sd, 30# WG - 6, 30# WAC-10, 300# CW-1, 20 gal. Morflo, 20 gal. Halco Suds & 1% KCL
avg. Inj. Rate 20.6 B/M							
avg. Press. 5063#							
Inst. S.I.P. 4700#							
Well on stream 2/27/69							(will not clean up for 4 point)
3/9/70 United Fuel ran stabilized flow test.							With SIP of 1069.8#, Calc AOF = 1.92 MMCF/D. Using SIP of 1335.0 psig taken on Jan. 5, 1970, Calc. AOF = 2.72 MM/D. The 2.72 MM rate to be used for proration purposes.

Date April 24, 1970

APPROVED ASHLAND OIL, INC. Owner

By *Chas B. Dunkel*  
Division Manager (Title)

WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 3-09-12  
API #: 47-039-02446 FFIF

Farm name: Harry Paxton Operator Well No.: Harry Paxton

LOCATION: Elevation: 798.1 Quadrangle: Pocatalico

District: Poca County: Kanawha  
Latitude: 1600' Feet South of 38 Deg. 30 Min. 00 Sec.  
Longitude 7120' Feet West of 81 Deg. 37 Min. 30 Sec.

Company: Viking Energy Corp.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
8113 Sissonville Dr. Sissonville, WV 253	20"	14'	14'	cem @ 29'
Agent: Michael Pinkerton	11 3/4 "	258'	258'	cem @ 275' 125 sacks
Inspector: Terry Urbin	8 5/8"	1904'	1904'	cem @ 1921' 100sacks
Date Permit Issued: <u>8/5/10</u>	5 1/2"	5634'	5634'	cem @ 5649' 130 sacks
Date Well Work Commenced: <u>11/3/10</u>				
Date Well Work Completed: <u>5/3/11</u>				
Verbal Plugging: <u>n/a</u>				
Date Permission granted on: <u>n/a</u>				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>	n/a			
Total Vertical Depth (ft): <u>5710</u>				
Total Measured Depth (ft): <u>5710</u>				
Fresh Water Depth (ft.): <u>258'</u>				
Salt Water Depth (ft.): <u>1300'</u>				
Is coal being mined in area (N/Y)? <u>no</u>				
Coal Depths (ft.): <u>none</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation oriskany Pay zone depth (ft) 4899-4946

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

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

RECEIVED  
Office of Oil & Gas  
MAR 16 2012  
WV Department of  
Environmental Protection

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Michael Pinkerton  
Signature

3-09-12  
Date

03/16/2012

EKT Poca (Sissonville) (192) 6-6

Were core samples taken? Yes \_\_\_\_\_ No

Were cuttings caught during drilling? Yes \_\_\_\_\_ No

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list yes gamma ray casing collar log

**NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

11-02-11 ran ccl & gr: set bridge plug @4940'. Perforated 30 shots from 4882' -4902'.

11-03-11 ran 5 1/2" x 2 7/8" packer on 2 7/8" tubing. Set packer 2 4839' one joint tail pipe. RU BJ Frac Oriskany w/ Viking x-link @ 17 BPM: Broke down @ 1510. psi: Avg treating pressure 3932 @ 17 bpm: isip 3190: 2 MIN 2022 PSI.

Placed 15323 #s 20/40 sand 1-2 Ppg. Had to cut sand early - Screening out. Started sand back in. Screening out again Flushed to top perf: Total fluid to recover 518Bbls

Plug Back Details Including Plug Type and Depth(s): set bridge plug @ 4940'

Formations Encountered:	Top Depth	Bottom Depth
Surface:		

rework

RECEIVED  
 Office of Oil & Gas  
 MAR 15 2012  
 WV Department of  
 ENVIRONMENTAL PROTECTION  
 03/16/2012