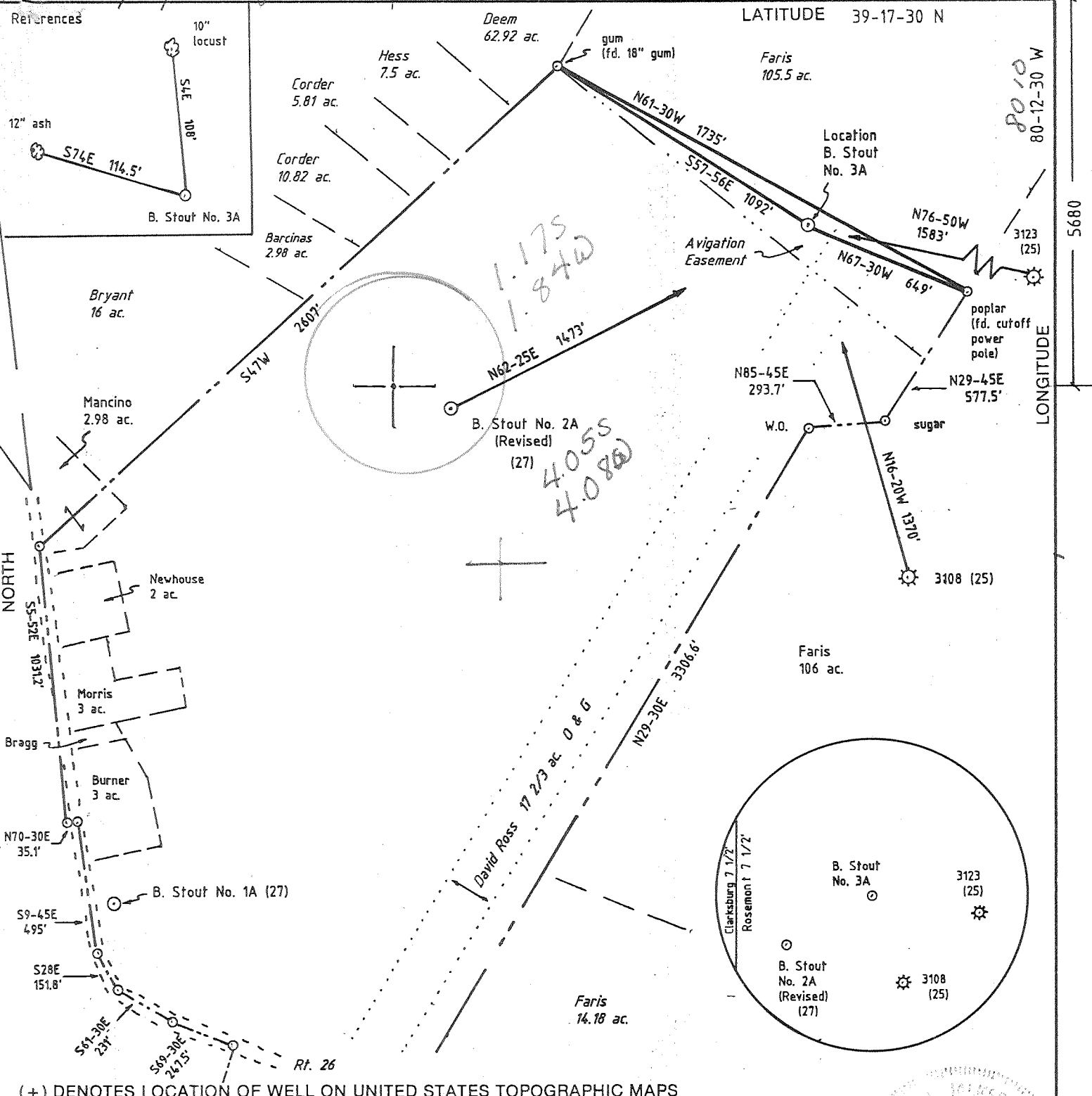


873 10/28/86

9810

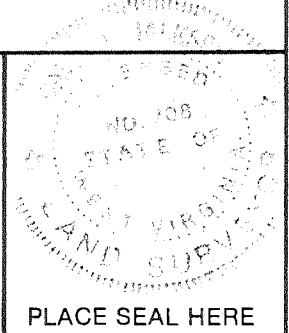
39 20



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

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Well No. 3034: 2900'
East of Location: elev. 1132

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 ENERGY.
 (SIGNED) David L. Jackson
 R.P.E. _____ L.L.S. 708



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE October 13, 19 86
 OPERATOR'S WELL NO. B. Stout No. 3A
 API WELL NO. _____

47 - 033 - 3368

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1256 WATERSHED Davisson Run
 DISTRICT Simpson 8 COUNTY Harrison
 QUADRANGLE Rosemont 7 1/2' 588 041 SW 7 Fairmont
 SURFACE OWNER South Hill Farms Inc. ACREAGE Residue of 164.98
 OIL & GAS ROYALTY OWNER Benjamin Stout heirs LEASE ACREAGE 165
 LEASE NO. 397001

PROPOSED WORK: DRILL X 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 Benson ESTIMATED DEPTH 5000
 WELL OPERATOR Petroleum Development Corp. DESIGNATED AGENT Steven Williams
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

NOV 13 1986

6-6 Bridgeport - Pruntytown (100)

COUNTY NAME
 PERMIT

WR-35



RECEIVED
JAN 14 1987
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date _____
Operator's _____
Well No. #3A
Farm BENJAMIN STOUT
API No. 47 - 033 - 3368

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas xx / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production xx / Underground Storage ___ / Deep ___ / Shallow xx)

LOCATION: Elevation: 1256' Watershed DAVISSON RUN
District: SIMPSON County HARRISON Quadrangle ROSEMONT 7 1/2'

COMPANY PETROLEUM DEVELOPMENT CORPORATION
ADDRESS PO BOX 26, BRIDGEPORT, WV 26330
DESIGNATED AGENT STEVEN R. WILLIAMS
ADDRESS PO BOX 26, BRIDGEPORT, WV 26330
SURFACE OWNER SOUTH HILLS FARMS, INC.
ADDRESS RT 1, BOX 20, BRIDGEPORT, WV 26330
MINERAL RIGHTS OWNER ROBERT E. PAYNE
ADDRESS RT 3, BOX 9082, WESTON, WV 26452
OIL AND GAS INSPECTOR FOR THIS WORK
STEPHEN CASEY ADDRESS RT 2, BOX 232-D JANE LEW, WV 26330
PERMIT ISSUED OCTOBER 30, 1986
DRILLING COMMENCED DECEMBER 12, 1986
DRILLING COMPLETED DECEMBER 16, 1986
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	30'		
9 5/8			
8 5/8	1194'	1194'	245 sks
7			
5 1/2			
4 1/2	4478'	4478'	530 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION BENSON Depth 5000 feet
Depth of completed well 4535 feet Rotary xx / Cable Tools _____
Water strata depth: Fresh _____ feet; Salt _____ feet
Coal seam depths: _____ Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation BENSON Pay zone depth 4404-4406 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 696 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 2100 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

JAN 19 1987

(Continue on reverse side)

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

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1ST	<u>BENSON</u>	13 (4404 - 4406)	100	250	500	70

RECEIVED
JAN 14 1987

WELL LOG

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
KB - GL			0	10	
sand, shale, RR			10	1353	hole damp @ 270'
Big Lime			1353	1422	
Big Injun			1422	1525	gas check @ 1446' 20/10 - 1" H2O
sand, shale			1525	1887	gas check @ 1665' 20/10 - 1" H2O
Gantz			1887	1897	
sand, shale			1897	1904	
50 ft			1904	1930	
sand, shale			1930	1970	
30 ft			1970	2004	
sand, shale			2004	2023	
Gordon Stray			2023	2042	
sand, shale			2042	2045	
Gordon			2045	2067	
sand, shale			2067	2134	
3rd			2134	2153	
sand, shale			2153	2196	
4th			2196	2226	
sand, shale			2226	2251	
4th A			2251	2285	
sand, shale			2285	2384	
5th			2384	2432	
sand, shale			2432	2993	
Speechley			2993	3195	
sand, shale			3195	3270	
Balltown			3270	3460	gas check @ 3419' 8/10 - 1" H2O
sand, shale			3460	3587	
Bradford			3587	3668	
sand, shale			3668	4148	
Riley			4148	4258	
sand, shale			4258	4377	gas check @ 4319' 8/10 - 1" H2O
✓ Benson			4377	4408	
sand, shale			4408	4535	Driller TD @ 4442' 24/10 - 1" H2O
				4535	Logger TD 26/10 - 1" H2O

(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT CORPORATION

Well Operator

By: _____

Date: _____

1/2/87

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

Today



FORM WW-2 (B) FILE COPY

RECEIVED
OCT 22 1986

1) Date: October 17, 1986
2) Operator's Well No. Ben Stout #3A
3) API Well No. 47 - 033 - 3368
State County Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas /
B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1256' Watershed: Davisson Run
District: Simpson County: Harrison Quadrangle: Rosemont 587
- 6) WELL OPERATOR Petroleum Dev. Corp CODE: 38200 7) DESIGNATED AGENT Steven R. Williams
Address P.O. Box 26 Address P.O. Box 26
Bridgeport, WV 26330 Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
Name Stephen Casey Name N/A
Address Rt. 2 Box 232-D Address _____
Jane Lew, WV 26378
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Benson
- 12) Estimated depth of completed well, 5000 feet
- 13) Approximate strata depths: Fresh, 211 368 940 feet; salt, 1441 feet.
- 14) Approximate coal seam depths: 522 648 Is coal being mined in the area? Yes / No /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS						FOOTAGE INTERVALS		CEMENT FILLUP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well			
Conductor	11 3/4	H-40	42#	X		30	---	---	Kinds	
Fresh water										
Coal									Sizes	
Intermediate	8 5/8	J-55	20/23#	X		1150	1150	Neat c.t.s.		
Production	4 1/2	J-55	10.5#	X		5000	5000	450 sks	Depths set	
Tubing										
Lin...									Perforations: Top Bottom	

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-3368 Date October 30 19 86

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
Permit expires October 30, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AS</u>	Plat: <u>187</u>	Casing: <u>AS</u>	Fee: <u>842968</u> <u>842103</u> <u>1520</u>	WPCP: <u>AS</u>	S&E: <u>AS</u>	Other: _____
---	------------------	------------------	-------------------	--	-----------------	----------------	--------------

NOTE: Keep one copy of this permit posted at the drilling location. [Signature] Director, Division of Oil and Gas File