



11,500'

PLATITUDE $39^{\circ}25'15''$
 $39^{\circ}25'15''$

LONGITUDE $80^{\circ}12'30''$
 $80^{\circ}12'30''$
 13,725'

PREPARED BY
 MOUNTAIN STATE ENVIRONMENTAL SERVICE

FILE NO. MSES 136
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INT. RT. 12/4 & RT. 11
ELEV. 1052

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) John L. Bailey
 R.P.E. _____ L.E.S. 652

PLACE SEAL HERE

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



Department of Mines
 Oil & Gas Division

DATE NOVEMBER 5, 19 82
 OPERATOR'S WELL NO. WARNER NO3
 API WELL NO. 47-033-2874
 STATE COUNTY PERMIT

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW X)
 LOCATION: ELEVATION 1318.70' WATER SHED _____ MUDLICK RUN _____
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE FAIRMONT WEST 7.5 (1976) Fairmont 15' SW WC
 SURFACE OWNER CLAY DEVELOPMENT CO. ACREAGE 70.84
 OIL & GAS ROYALTY OWNER B.L. WARNER 1/2 CONSOL. COAL CO. 1/2 LEASE ACREAGE 74.78
 LEASE NO. _____
 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 FIFTH SAND ESTIMATED DEPTH 2800
 WELL OPERATOR STUART PETROLEUM CO. DESIGNATED AGENT SCOTT WILSON
 ADDRESS 63 SOUTH MAIN STREET ADDRESS P.O. BOX 1716
WASHINGTON, PA. 15301 CLARKSBURG, W.V. 26301

JAN 31 1983

IV-35
(Rev 8-81)

RECEIVED
JUN - 6 1983



State of West Virginia

Department of Mines
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

Date May 25, 1983
Operator's
Well No. #3
Farm Warner
API No. 47 - 033 - 2874

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1318.7 Watershed Mudlick Run
District: Clay County Harrison Quadrangle Fairmont West 7 1/2'

COMPANY Stuart Petroleum Company
ADDRESS 63 S. Main St., Washington, PA 15301
DESIGNATED AGENT Scott Wilson
ADDRESS P.O. Box 1716, Clarksburg, WV 26301
SURFACE OWNER Clay Development Company
ADDRESS P.O. Box 548, Shinnston, WV
MINERAL RIGHTS OWNER Boyd L. Warner
ADDRESS P.O. Box 1716 Clarksburg, WV 26301
OIL AND GAS INSPECTOR FOR THIS WORK Steven
Casey Rt. 2, ADDRESS Box 232-D, Jane Lew, WV
PERMIT ISSUED 1-27-83
DRILLING COMMENCED 5-2-83
DRILLING COMPLETED 5-10-83
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.	269'	269'	183 Ft ³
13-10"			
9 5/8			
8 5/8	694'	694'	252 Ft ³
7			
5 1/2			
4 1/2		2816'	63 Ft ³
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Fifth Sand Depth 2760 feet
Depth of completed well 2847 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 80;558 feet; Salt _____ feet
Coal seam depths: 205; 243; 550 Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Fifth Sand Pay zone depth 2779-2800 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 200 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 625 psig (surface measurement) after 4 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

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(Continue on reverse side)

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

Fifth Sand - Perforated 2779' - 2800'.
Used 5000# 80/100 Sand, 22,000# 20/40 Sand,
10,000# 10/20 Sand in 530 bbls. fluid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale			0	10	
Sand			10	100	1" stream water 80'.
Sand & Shale			100	205	
Coal			205	211	
Shale			211	243	
Coal			243	250	Open Mine.
Sand & Shale			250	436	
Red Rock			436	447	
Sand & Shale			447	500	
Sand			500	550	
Coal			550	558	1" stream water.
Sand & Shale			558	625	
Red Rock			625	632	
Shale & Sand			632	645	
Gray Shale			645	673	
Shale & Sand			673	730	TD 10-5/8" Hole.
Shale & Sand			730	740	
Gray Shale			740	790	
Sand			790	835	
Red Rock			835	860	
Sand & Shale			860	875	
Sand			875	903	
Gray Shale			903	979	
Sand			979	1004	
Shale			1004	1055	
Sand			1055	1084	
Shale & Sand			1084	1149	
Sand			1149	1185	
Gray Shale			1185	1192	
Sand & Shale			1192	1286	
Shale			1286	1325	
Sand & Shale			1325	1365	
Red Rock			1365	1450	
Sand & Shale			1450	1513	
Red Rock			1513	1616	
Sand & Shale			1610	1667	
Big Lime			1667	1752	

-continued-

(Attach separate sheets as necessary)

STUART PETROLEUM COMPANY

Well Operator

By:

Date: Its Consultant

May 25, 1983

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."

Stuart Petroleum Company
 Warner #3
 Permit No. 47-033-2874

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	• Remarks
Big Injun			1758	1816		
Shale			1816	1859		1819' trace oil.
Sand			1859	1888		
Red Rock			1888	1900		
Sand & Shale			1900	2226		
Sand			2226	2283		
Sand & Shale			2283	2460		
Red Rock			2460	2610		
Sand 5th @ TD.			2610	2816		Check gas at 2816' T.D.
Total Depth			<u>2816</u>			No Show.

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Date May 25, _____, 1983

APPROVED _____, Owner



1) Date: 09-27-83, 1983
2) Operator's Well No.
3) API Well No. 47 State County Permit

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas /
B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: Watershed:
District: Clay County: Quadrangle:
- 6) WELL OPERATOR
Address
- 7) OIL & GAS ROYALTY OWNER
Address
Acreage
- 8) SURFACE OWNER
Address
Acreage
- 9) FIELD SALE (IF MADE) TO:
Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name
Address
- 11) DESIGNATED AGENT
Address
- 12) COAL OPERATOR
Address
- 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name
Address
Name
Address
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address
- 15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION,
- 17) Estimated depth of completed well, feet
- 18) Approximate water strata depths: Fresh, feet; salt, feet.
- 19) Approximate coal seam depths: Is coal being mined in the area? Yes / No

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		Kinds	Sizes
Conductor										
Fresh water										
Coal										Sizes
Intermediate										
Production										Depths set
Tubing										
Liners										Perforations:
										Top Bottom

21) EXTRACTION RIGHTS

Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary:
My Commission Expires

Signed:
Its:

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-0874 Date January 07 1983

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. 10) 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.)

Permit expires September 27, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
				2316

Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.