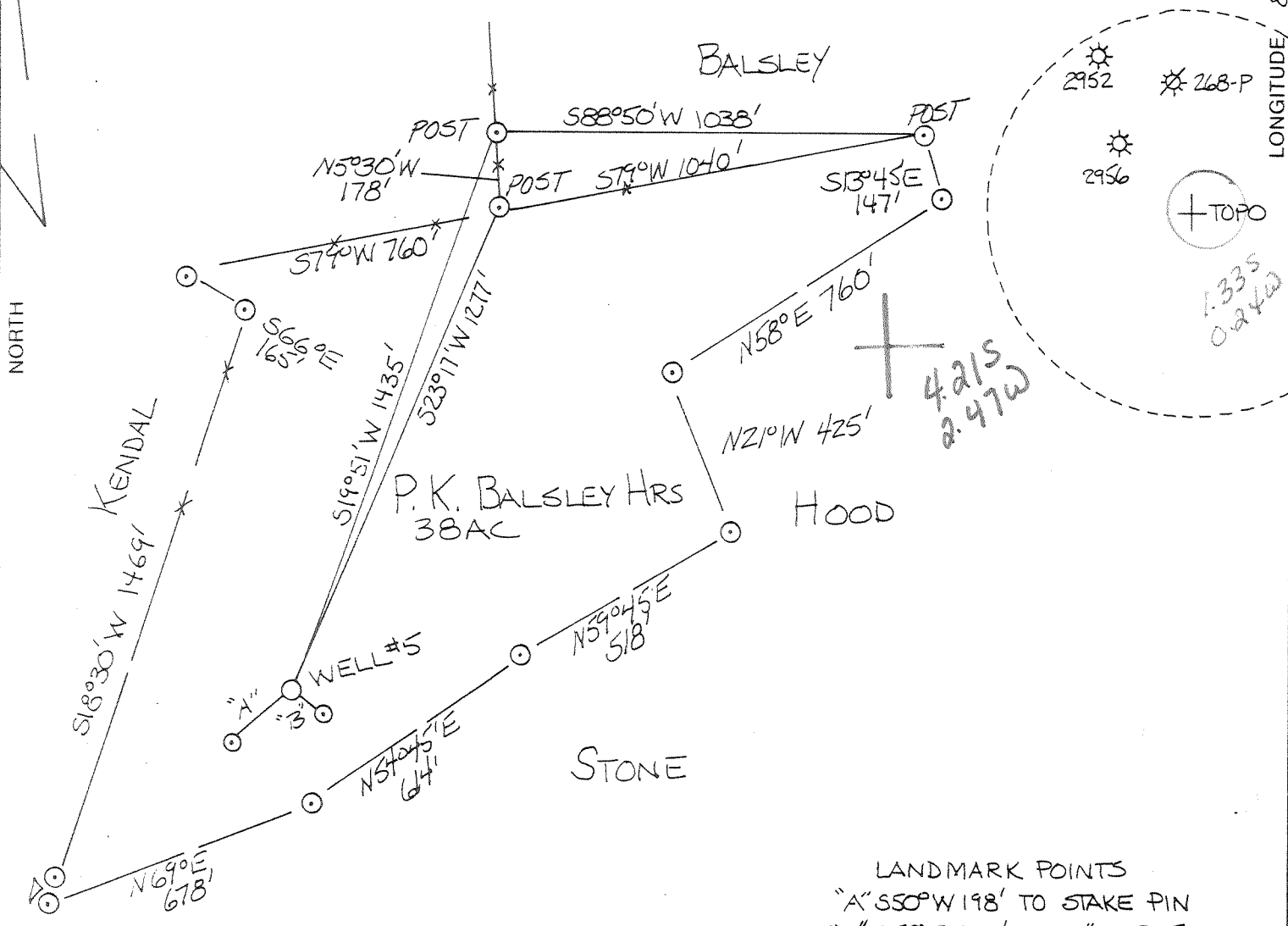


39 25' 1200

Plot

REVISED BALSLEY #5

LATITUDE 39°22'30"



FILE NO. 6-8-84
 DRAWING NO. 6-8-84
 SCALE 1"=400'
 MINIMUM DEGREE OF ACCURACY 1/1200
 PROVEN SOURCE OF ELEVATION ☉ OF ROADS BM
±3100' NORTHWEST (1033)

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) Walter P. Reput
 R.P.E. 7410 L.L.S.

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JUNE 8, 1984
 OPERATOR'S WELL NO. _____
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1475 ✓ WATERSHED WEST FORK RIVER
 DISTRICT CLAY 2 COUNTY HARRISON
 QUADRANGLE CLARKSBURG T17 297 415627 ECL
 SURFACE OWNER JOHN KENDAL ACREAGE 38
 OIL & GAS ROYALTY OWNER P.K. BALSLEY HRS LEASE ACREAGE 38
 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 5TH SAND ESTIMATED DEPTH 3000
 WELL OPERATOR HYDROCARBON ENERGIES INC 394 DESIGNATED AGENT AL SORCAN
 ADDRESS PO DRAWER 976 ADDRESS PO DRAWER 976
BUCKHANNON W.VA. 26201 BUCKHANNON W.VA. 26201

JUL 30 1984

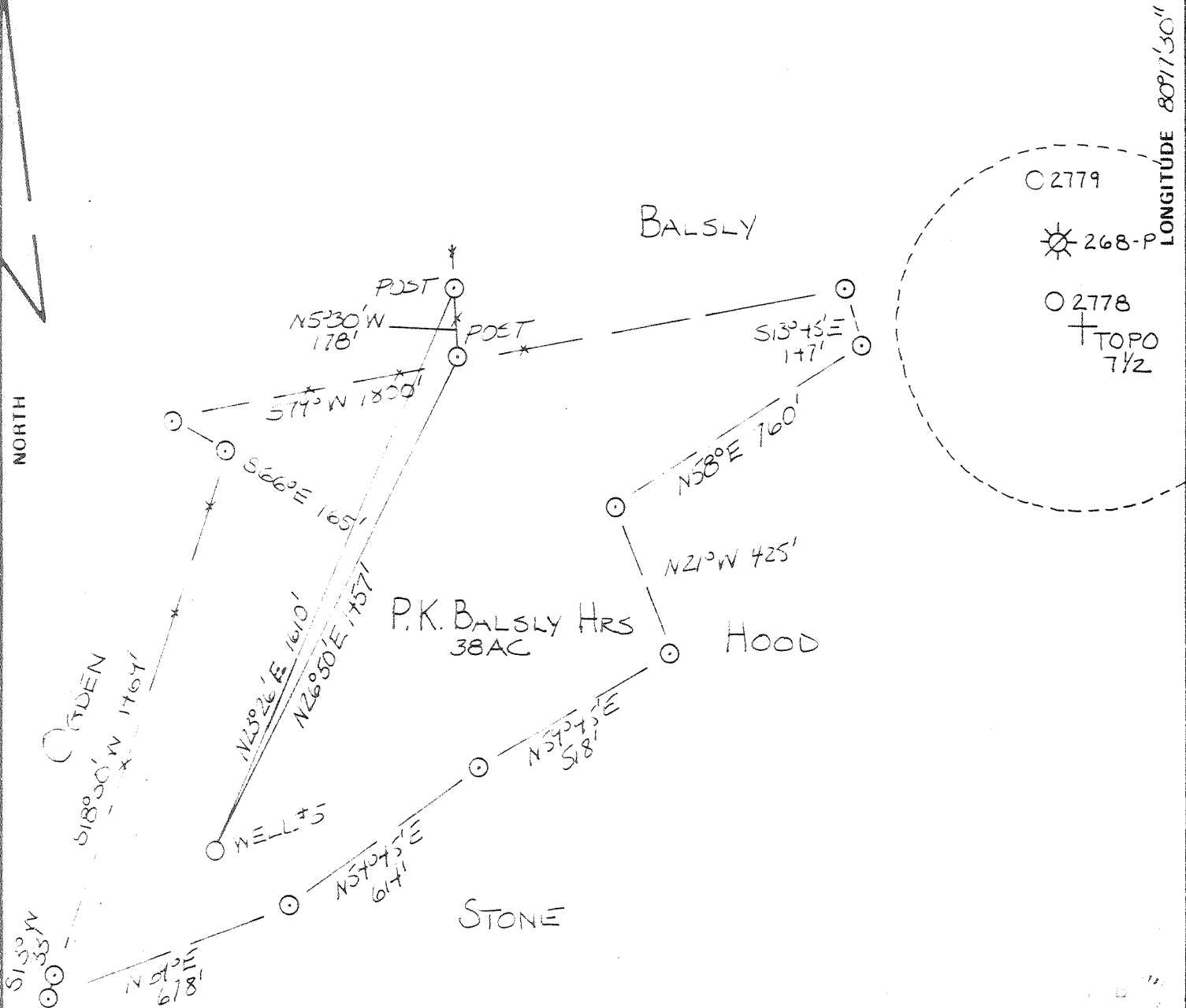
FORM IV 6 (8-78)

COUNTY NAME
PERMIT

LATITUDE 39°22'30"

LONGITUDE 80°17'30"

NORTH



FILE NO. 4-15-83
 DRAWING NO. 4-15-83
 SCALE 1"=400'
 MINIMUM DEGREE OF ACCURACY 1/1200
 PROVEN SOURCE OF ELEVATION BM ±3500' NORTH WEST AT 1/2 OF ROADS.
(1038)

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) Stalter P. Lopez
 R.P.E. 7+10 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE APR 15, 1983
 OPERATOR'S WELL NO. FIVE
 API WELL NO. 47 - 033 - 2916
 STATE COUNTY PERMIT

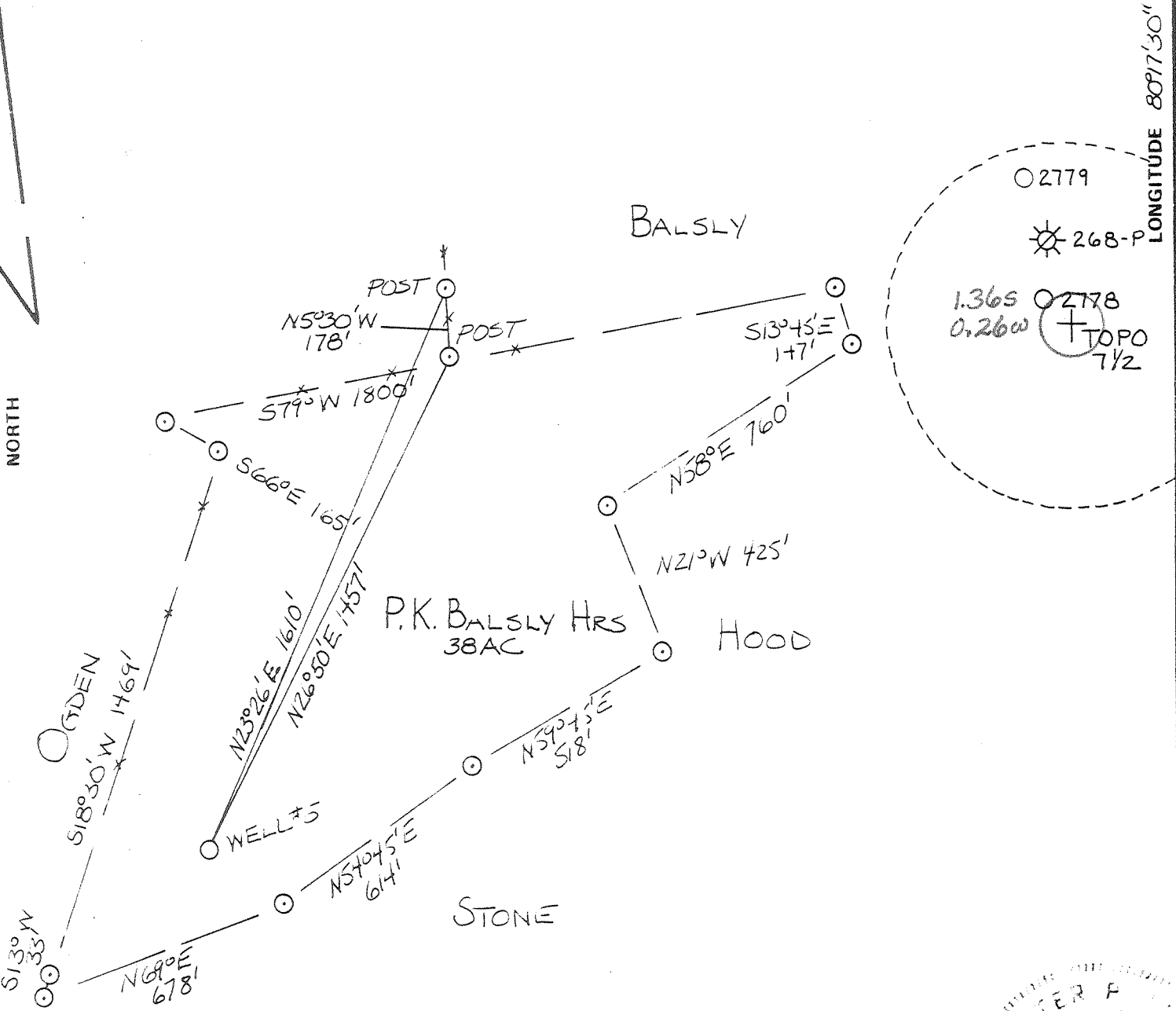
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1779 WATER SHED WEST FORK RIVER
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE CLARKSBURG 7 1/2
 SURFACE OWNER JOHN KENDAL ACREAGE 38
 OIL & GAS ROYALTY OWNER P.K. BALSLEY HRS LEASE ACREAGE 38
 LEASE NO. H-52
 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 5th SAND ESTIMATED DEPTH 3200
 WELL OPERATOR HYDROCARBON ENERGIES INC DESIGNATED AGENT AL SORCAN
 ADDRESS PO DRAWER 976 ADDRESS PO DRAWER 976
BUCKHANNON, W.VA. 26201 BUCKHANNON, W.VA. 26201

JUN 4 1984

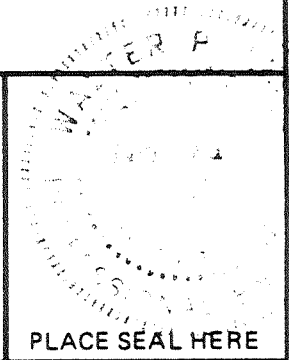
1984
 7100
 2916

NORTH



FILE NO. 4-15-83
 DRAWING NO. 4-15-83
 SCALE 1"=400'
 MINIMUM DEGREE OF ACCURACY 1/1200
 PROVEN SOURCE OF ELEVATION BM ±3500' NORTH WEST AT ∩ OF ROADS
(1038)

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) Galto P. Lepout
 R.P.E. 7410 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE APR 15, 1983
 OPERATOR'S WELL NO. Five
 API WELL NO. 47 - 033 - 2916
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1479 WATER SHED WEST FORK RIVER
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE CLARKSBURG 7 1/2 4 15 EC
 SURFACE OWNER JOHN KENDAL ACREAGE .38
 OIL & GAS ROYALTY OWNER P.K. BALSLEY HRS LEASE ACREAGE .38
 LEASE NO. H-52
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

JUL 25 1983

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION 5TH SAND ESTIMATED DEPTH 3200
 WELL OPERATOR HYDROCARBON ENERGIES INC DESIGNATED AGENT AL SORCAN
 ADDRESS PO DRAWER 976 ADDRESS PO DRAWER 976
BUCKHANNON, W.VA. 26201 BUCKHANNON, W.VA. 26201



IV-35
(Rev. 8-81)

RECEIVED
OCT 12 1984

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date Oct. 9, 1984
Operator's Well No. Balsley # 5
Farm George Kendal
API No. 47-033-2916

RECEIVED
MAR 19 1985
OIL & GAS DIVISION
DEPT. OF MINES

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

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

LOCATION: Elevation: 1475 ✓ Watershed West Fork River
District: Clay County Harrison Quadrangle Clarksburg 7½

COMPANY Hydrocarbon Energies, Inc.
ADDRESS P. O. Drawer 976, Buckhannon
DESIGNATED AGENT Alvin Sorcan
ADDRESS Rt. 4, Box 444, Buckhannon
SURFACE OWNER George Kendal II
ADDRESS 609 Spring St. Fairmont, WV
MINERAL RIGHTS OWNER Josephin Balsley (et al)
ADDRESS 717 Stout St., Bridgeport, WV
OIL AND GAS INSPECTOR FOR THIS WORK Steve Casey ADDRESS Jane Lew
PERMIT ISSUED 7-24-84
DRILLING COMMENCED 8-21-84
DRILLING COMPLETED 8-25-84
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'	Pulled	
9 5/8			
8 5/8	1103	1103	to surface 200 sks
7			
5 1/2			
4 1/2		3045	to surface 560 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION 5th Sand Depth 2940 feet
Depth of completed well 3106 feet Rotary X / Cable Tools
Water strata depth: Fresh 529 feet; Salt None feet
Coal seam depths: 529 Is coal being mined in the area? Yes

OPEN FLOW DATA
Producing formation 5th Sand Pay zone depth 2940-2980 feet
Gas: Initial open flow Smell Mcf/d Oil Initial open flow None Bbl/d
Final open flow 26 Mcf/d Final open flow 6 Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 475 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

good
+oil

(Continue on reverse side)

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

FORM	PERFS	HOLES	SAND	H2O	RATE*	ISIP	Co2	BRKD
5th Sand	2942-2978	16	59,000	633	26	1900	20tns	2500

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
SH		G S	0	15	
SD		BR M	15	130	
SH		G S	130	255	
SD		BR M	255	460	
SH		G S	460	529	
Coal		BL S	529	537	H2O @ 529' Coal
SD		W H	537	631	
SH		G S	631	942	
SD		W H	942	1035	
SH		G S	1035	1225	
SD		W H	1225	1360	
SH		G S	1360	1520	
SD		W H	1520	1565	
SH		G S	1565	1949	
Big Lime		G H	1949	1990	
Big Injun		W H	1990	2094	
SH		G S	2094	2496	
50'		W H	2496	2530	
30'		W H	2530	2606	
Gordon Stray		BR M	2606	2716	
Gordon		BR M	2716	2840	
4th Sand		BR M	2840	2900	
Sh		G S	2900	2940	
5th Sand		W H	2940	2980	Gas @ TD Odor-could not test
SH		G S	2980	3106	
TD				3106	

(Attach separate sheets as necessary)

Well Operator

By: Alvin Loren President

Date: 10-9-84

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."

