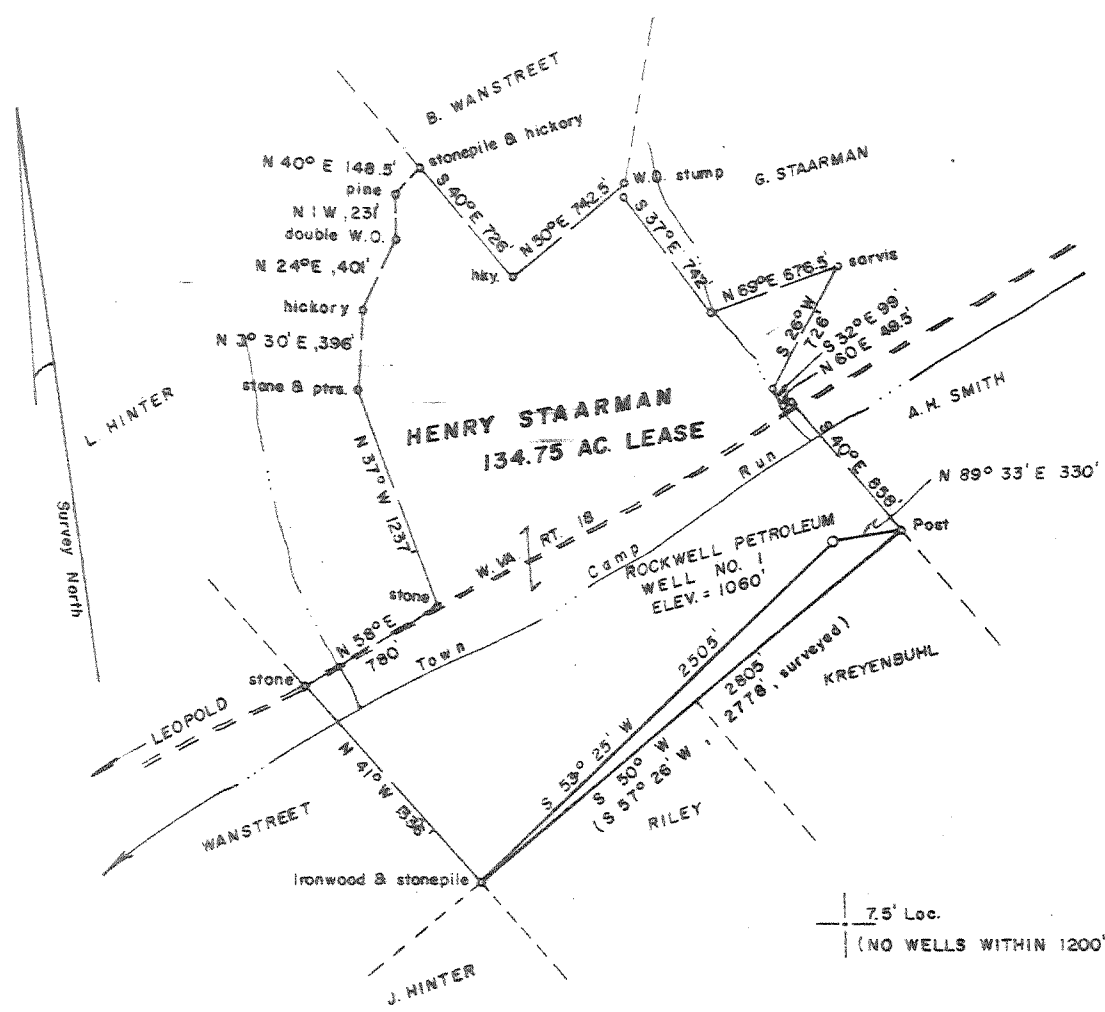
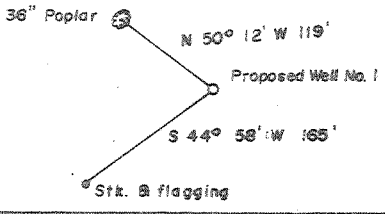


NORTH



WELL REFERENCES

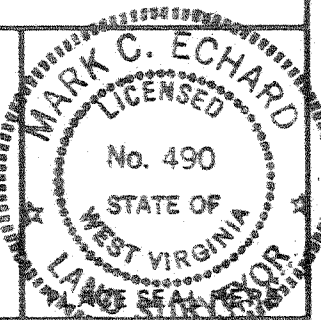


FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION Spot Elev. at Road NE of Location, Elev. = 896'

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) Mark C. Echard  
 MARK C. ECHARD

R.P.E. \_\_\_\_\_ L.L.S. 490



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



DATE JUNE 3, 1985  
 OPERATOR'S WELL NO. ONE  
 API WELL NO. 47-017-3950  
 STATE COUNTY PERMIT  
 According to DEP drilled 2/15/85 and plugged same date Plug

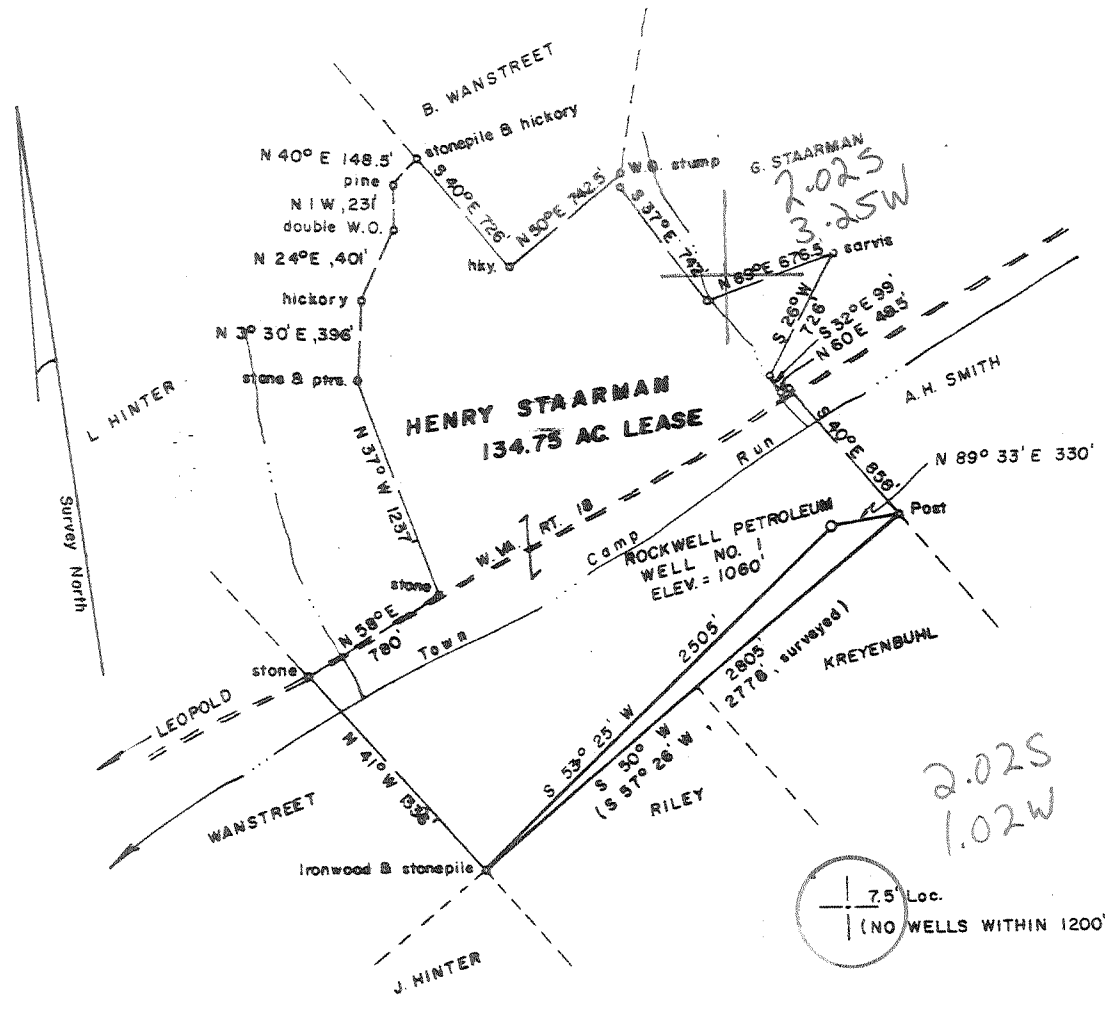
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1060' WATER SHED TOWN CAMP RUN  
 DISTRICT COVE COUNTY DODDRIDGE  
 QUADRANGLE NEW MILTON 7.5'  
 SURFACE OWNER HENRY STAARMAN ACREAGE 134.75  
 OIL & GAS ROYALTY OWNER HENRY STAARMAN LEASE ACREAGE 134.75  
 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) \_\_\_\_\_

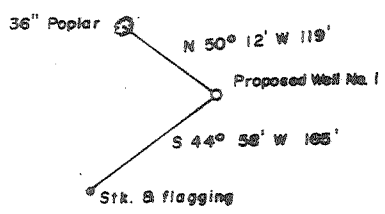
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION BEREA ESTIMATED DEPTH 2700'  
 WELL OPERATOR ROCKWELL PETROLEUM DESIGNATED AGENT MR. MACK, R. WORL  
 ADDRESS P.O. BOX 179 ADDRESS P.O. BOX 179  
 GLENVILLE, W.VA. 26351 GLENVILLE, W.VA. 26351

AUG 12 1985

NORTH

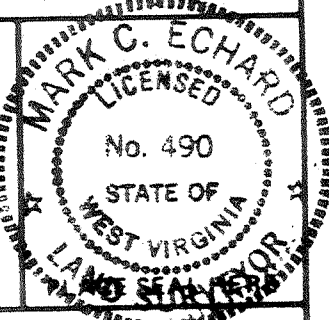


WELL REFERENCES



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION Spot Elev. at Road NE of Location, Elev. = 896'

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 (SIGNED) Mark C. Echard  
 MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490



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



DATE JUNE 3 1985  
 OPERATOR'S WELL NO. ONE  
 API WELL NO. 47-017-3450  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1060' WATER SHED TOWN CAMP RUN  
 DISTRICT COVE 2 COUNTY DODDRIDGE  
 QUADRANGLE NEW MILTON 7.5' 511 Vado 123 4  
 SURFACE OWNER HENRY STAARMAN ACREAGE 134.75  
 OIL & GAS ROYALTY OWNER HENRY STAARMAN LEASE ACREAGE 134.75  
 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 BEREA ESTIMATED DEPTH 2700'  
 WELL OPERATOR ROCKWELL PETROLEUM DESIGNATED AGENT MR. MACK R. WORL  
 ADDRESS P.O. BOX 179 765 ADDRESS P.O. BOX 179  
GLENVILLE, W.VA. 26351 GLENVILLE, W.VA. 26351

JUL 22 1985



1) Date: June 13, 19 85  
 2) Operator's Well No. Starrman #1  
 3) API Well No. 47 - 017 - 3450  
 State County Permit

**RECEIVED**  
 JUL 5 1985

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

- 4) WELL TYPE: Oil & Gas Division / Gas  / DEPT. OF MINES Production  / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow  /
- 5) LOCATION: Elevation: 3060' Watershed: Town Camp Run  
 District: Cove County: Doddridge Quadrangle: New Milton 7.5'
- 6) WELL OPERATOR Rockwell Petroleum Co. 765 7) DESIGNATED AGENT Mack R. Worl  
 Address P. O. Box 179 Address P. O. Box 179  
Glenville, WV 26351 42925 Glenville, WV 26351
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Harold Mike Underwood Name Duckworth Drilling  
 Address Route 2, Box 114 Address Gassaway, WV 26624  
Salem, WV 26426
- 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, Berea
- 12) Estimated depth of completed well, 2700 feet  
 13) Approximate trata depths: Fresh, 60 feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No  /

15) 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		
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	ERW	20	X		500'	500'	150 sacks	CTS by rule 15.05
Production	4 1/2	J-55	10.5	X			1700'	240 sacks	
Tubing									Depths set:
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3450 Date July 9 19 85

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 July 9, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>K</u>	Agent: <u>ALB</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>1479</u>
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Margaret J. Wasse  
 Administrator, Office of Oil and Gas

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

RECEIVED  
JUL 29 1985

FORM IV-38

[08-78]

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date: July 18, 1985

Operator's Well No. Staarman #1

API Well No. 47 - 017 - 3450  
State County Permit

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

WELL TYPE: Oil X / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas", Production X / Underground storage \_\_\_ / Deep \_\_\_ / Shallow X /  
LOCATION: Elevation: 1060' Watershed: Town Camp Run  
District: Cove County: Doddridge Quadrangle: New Milton 7.5'

WELL OPERATOR Rockwell Petroleum Company  
Address P. O. Box 179  
Glenville, WV 26351

DESIGNATED AGENT Mack R. Worl  
Address P. O. Box 179  
Glenville, WV 26351

STATE OF WEST VIRGINIA, )  
COUNTY OF Gilmer ) SS:

Douglas Broome and Edward A. Broome,

being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells; that they were employed by Rockwell Petroleum Company, the well operator, and participated in the work of plugging and filling the above well; that the work was commenced on July 15, 1985, and completed on July 15, 1985, in the following manner:

PERMITTED WORK: Plug and abandon X / Clean out and replug \_\_\_ /

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness
Standard	Cement	0	100
Standard	Gel 6%	100	1135
Standard	Cement	1135	1335
Standard	Gel 6%	1335	1951
Standard	Cement	1951	2151
Standard	Gel 6%	2151	2634

Bridge Plugs Used--Type and Depth  
none

VENT PIPE none

MISCELLANEOUS MATERIALS none

CASING LOST

TYPE OF RIG:  
Owner: Well Op'r \_\_\_ / Contractor X /  
Rig time: 4 days plus \_\_\_ hours

COAL SEAMS (NAMES AND DEPTHS)

none

DESCRIPTION OF WELL MONUMENT

30" 8 5/8" with permit number

Douglas A. Broome (SEAL)  
E. Worl (SEAL)

Subscribed and sworn to before me this

18 day of July, 19 85.

My commission expires 11/1, 19 93.

Ava Christine Radabaugh  
Notary Public