

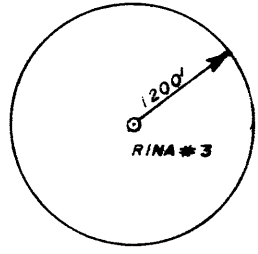
9-36-85

8420' 39' 45" LATITUDE 39° 42' 30"

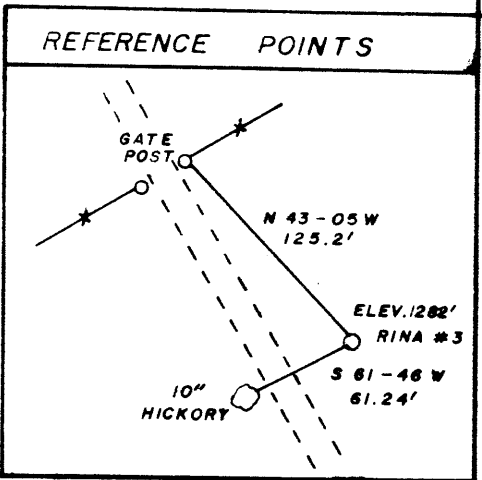
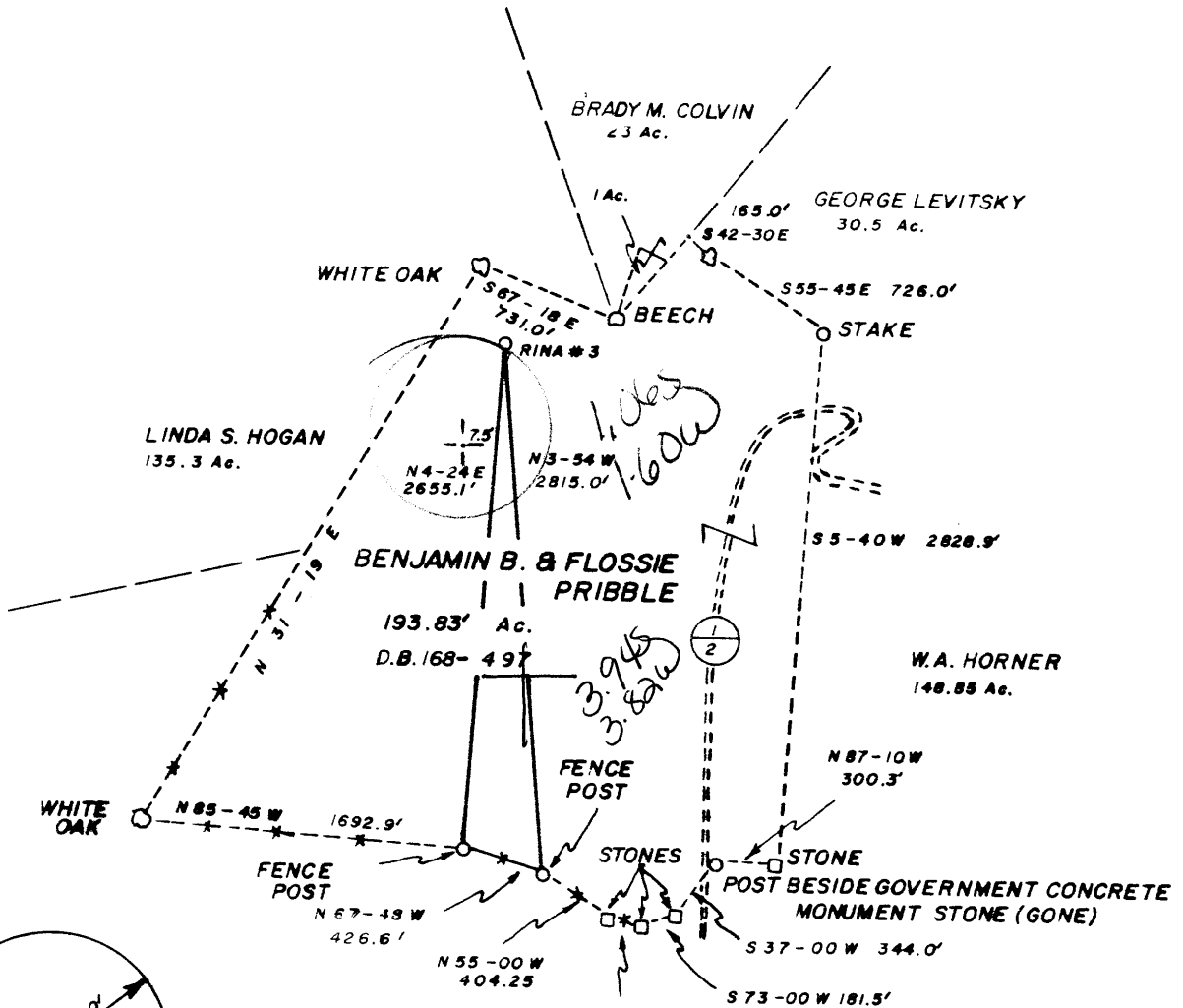
CODE _____ CARD _____ PLOT _____

80° 47' 30" LONGITUDE

NORTH



NEW MARTINSVILLE 7.5



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION TOP OF HILL
 1293'

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) Paul K. Marshall
 R.P.E. _____ L.L.S. 580



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE AUG. 29 19 85
 OPERATOR'S WELL NO. RINA # 3
 API WELL NO. 47-103-1362
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1282' WATERSHED BRANCH OF HAYNES RUN
 DISTRICT PROCTOR 7 COUNTY WETZEL
 QUADRANGLE NEW MARTINSVILLE 7.5' 504 091 NE3
 SURFACE OWNER BENJAMIN B. PRIBBLE ACREAGE 193.83
 OIL & GAS ROYALTY OWNER BENJAMIN B. PRIBBLE LEASE ACREAGE 193.83
 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 GORDON ESTIMATED DEPTH 3500'
 WELL OPERATOR CLAY RESOURCES, INC. DESIGNATED AGENT ANDY BROWN
 ADDRESS 204 UNION SQUARE ADDRESS PO. BOX 32
MARIETTA, OHIO 45750 READER, W.V. 26167

COUNTY NAME PERMIT

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS



WR-35

FEB 21 1986

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date February 18, 1986
Operator's
Well No. Rina #3
Farm Raymond Pribble
API No. 47 - 103 - 1362

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

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

LOCATION: Elevation: 1282 Watershed Branch of Haynes Run
District: Proctor County Wetzel Quadrangle New Martinsville

COMPANY Clay Resources
ADDRESS 204 Union Square, Marietta, OH 45750
DESIGNATED AGENT Andy Brown
ADDRESS Box 32, Reader, WV 26167
SURFACE OWNER Raymond Pribble
ADDRESS Rt. #1, Box 85, New Martinsville, WV
MINERAL RIGHTS OWNER SAME
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Robert
Lowther General Delivery
ADDRESS Middlebourne, WV
PERMIT ISSUED September 27, 1985
DRILLING COMMENCED October 21, 1985
DRILLING COMPLETED October 24, 1985
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"			
9 5/8			
8 5/8		1590	400 Sx
7			
5 1/2			
4 1/2		2969	200 sx.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 3500 feet
Depth of completed well 3000 feet Rotary X / Cable Tools
Water strata depth: Fresh feet; Salt 2262 feet
Coal seam depths: 1072 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2850-2872 feet
Gas: Initial open flow 25 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 20 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 72 hours
Static rock pressure 300 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

MAR 3 1986
(Continue on reverse side)

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

PERFORATED: 20 Shots: 2866 to 2879

FRAC: 75% Foam: Broke @ 2210#: ISP 2200#: 40,000# 20/40: 389,820 SCF, N₂:

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
sand & shale			0	500	
shale, limestone			500	1284	
shale, limestone, redrock			1284	1350	
shale, limestone			1350	2100	
shale			2100	2500	Weir: 2406-2418
sand & shale			2500	2550	
sand			2550	2600	
sand & shale			2600	2750	1st berea: 2600-2604
shale			2750	<u>3000</u>	Gordon: 2850-2872

(Attach separate sheets as necessary)

CLAY RESOURCES, INC.

Well Operator

By: Sandra L. Schaefer V.Pres. Operations

Date: February 18, 1986

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."

7/85

RECEIVED
SEP 25 1985



1) Date: September 23, 1985
 2) Operator's Well No. Rina #3
 3) API Well No. 47 103 -1362
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow _____)
- 5) LOCATION: Elevation: 1282' Watershed: Branch of Haynes Run
 District: Proctor County: Wetzel Quadrangle: New Martinsville 7.5'
- 6) WELL OPERATOR Clay Resources 172 CODE: 10025 7) DESIGNATED AGENT Andy Brown
 Address 204 Union Square Address Box 32
Marietta, OH 45750 Reader, WV 26167
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther
 Address General Delivery
Middlebourne, WV 26149
- 9) DRILLING CONTRACTOR: Name Unknown
 Address _____
- 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, Gordon 419
 12) Estimated depth of completed well, 3500 feet
 13) Approximate strata depths: Fresh, 550 feet; salt, 500 feet.
 14) Approximate coal seam depths: 900 - 1000 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	8 5/8					1030'	1030'	CTS	Per rule 15.05
Coal									Sizes
Intermediate									
Production	4 1/2					3500'	3500'	500 + SKS	Depths set Per rule 15.01
Tubing									
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-103-1362

September 27 1985
 Date

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 September 27, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>SLB</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>984</u>	WPCP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input checked="" type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
 Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.