

9,630'

39 45'

LATITUDE 39° 42' 30"

80 45' LONGITUDE 80° 47' 30"

- (A) S 67° 48' E - 426.6'
- (B) S 55° 00' E - 404.2'
- (C) S 72° 30' E - 131.2'
- (D) N 72° 00' E - 181.5'
- (E) N 37° 00' E - 344.0'
- (F) S 28° 00' E - 566.8'
- (G) S 3° 45' E - 336.6'
- (H) S 20° 45' E - 910.8'
- (I) S 51° 15' E - 420.8'
- (J) S 24° 30' E - 338.2'
- (K) S 67° 30' W - 376.0'
- (L) N 44° 15' W - 407.2'

LINDA S. HOGAN
135.3 ACRES

BENJAMIN P. PRIBBLE
194.2 ACRES

80 ACRES

LOGUST STUMP
N 62° 54' E - 1581.7'
S 31° 19' W - 1782.0'
FENCE POST
S 85° 45' E - 1683.0'
BRYAN #10
EL. 1350'
S 88° 00' W - 1432.5'
N 87° 23' W - 1838.8'
JUDY M. LONG
200 ACRES
D.B. 277/145

STONES

FENCE POST

W. A. HORNER
148.85 AC.

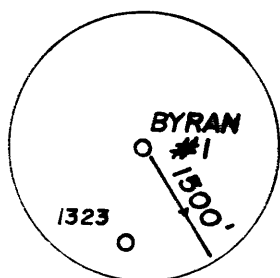
DONALD F. ARRICK
59 ACRES

EVELYN MORRIS HEIRS
64.5 ACRES

PAUL B. EMCH
89 ACRES

JACK J. MOORE
3.6 ACRES

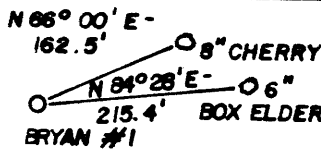
NORTH



NEW MARTINSVILLE 7.5'

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

REFERENCE POINTS



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION
1326'

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



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JUNE 1, 19 85
 OPERATOR'S WELL NO. BRYAN #1
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 1350 WATERSHED HAYNES RUN
 DISTRICT PROCTOR 7 COUNTY WETZEL
 QUADRANGLE NEW MARTINSVILLE 7.5' 509 091 NE 3

SURFACE OWNER JUDY M. LONG ACREAGE 200 AC.
 OIL & GAS ROYALTY OWNER JUDY M. LONG LEASE ACREAGE 200 ACRES

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 172 ADDRESS P.O. BOX 32
MARIETTA, OHIO 45750 READER, WV 26167

SEP 09 1985

FEB 21 1986



State of West Virginia DEPARTMENT OF ENERGY Oil and Gas Division

Date February 17, 1986 Operator's Well No. Bryan #1 Farm Judy Long API No. 47 - 103 - 1361

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: 1350' Watershed Haynes Run District: Proctor County Wetzel Quadrangle New Martinsville, 7.5'

COMPANY Clay Resources, Inc. ADDRESS 204 Union Square, Marietta, OH 45750 DESIGNATED AGENT Andy Brown ADDRESS Box 32, Reader, WV 26167 SURFACE OWNER Judy Long ADDRESS 230 Lang Drive, New Martinsville, WV MINERAL RIGHTS OWNER Same as above ADDRESS Same as above OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther ADDRESS Gen. Del. Middlebourne, WV PERMIT ISSUED 8-28-85 DRILLING COMMENCED 9-2-85 DRILLING COMPLETED 9-6-85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13-10", 9 5/8, 8 5/8 (1617, 390 SKS), 7, 5 1/2, 4 1/2 (3069, 225 SKS), 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Gordon Depth 3300 feet Depth of completed well 3065 feet Rotary x / Cable Tools Water strata depth: Fresh feet; Salt 2330 feet Coal seam depths: 1140 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2978-2991 feet Gas: Initial open flow 35 Mcf/d Oil: Initial open flow 0 Bbl/d Final open flow 30 Mcf/d Oil: Final open flow 0 Bbl/d Time of open flow between initial and final tests 72 hours Static rock pressure 330 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

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

Perforations 20 holes, 2952-2962'

Frac: Foam Frac

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	618	
Shale & Limestone			618	1384	
Shale, limestone, redrock			1384	1464	
Shale, limestone			1464	2208	
Shale			2208	2600	Weir 2588' - 2600'
Sand, shale			2600	2650	
Sand			2650	2750	Berea 2726-2732'
Sand, shale			2750	2850	
Shale			2850	<u>3065</u>	Gordon 2978-2991'

(Attach separate sheets as necessary)

Clay Resources, Inc.

Well Operator

By: Sandra L. Schaefer V.P. Operations

Date: February 17, 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."

FILE COPY
AUG 8 1985



1) Date: August 2, 19 85
2) Operator's Well No. Bryan #1
3) API Well No. 47 103-1361
State County Permit

DIVISION OF OIL & GAS 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: 1350' / Watershed: Haynes Run
District: Proctor / County: Wetzel / Quadrangle: New Martinsville 7.5'
- 6) WELL OPERATOR Clay Resources CODE: 10025 7) DESIGNATED AGENT Andrew C. Brown
Address 204 Union Square 172 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'	CTS		Per rule 15.05
Coal									Sizes
Intermediate									
Production	4 1/2					3500'	500 + SKS		Depths set Per rule 15.01
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-103-1361 Date August 28 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 August 28, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>ALB</u>	Plat: <u>MM</u>	Casing <u>MM</u>	Fee <u>829</u>	WPCP <input checked="" type="checkbox"/>	S&E <input checked="" type="checkbox"/>	Other <input type="checkbox"/>
---	-------------------	-----------------	------------------	----------------	--	---	--------------------------------

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

K. D. ...
Director, Division of Oil and Gas File

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