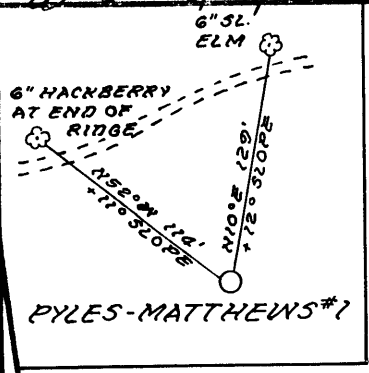
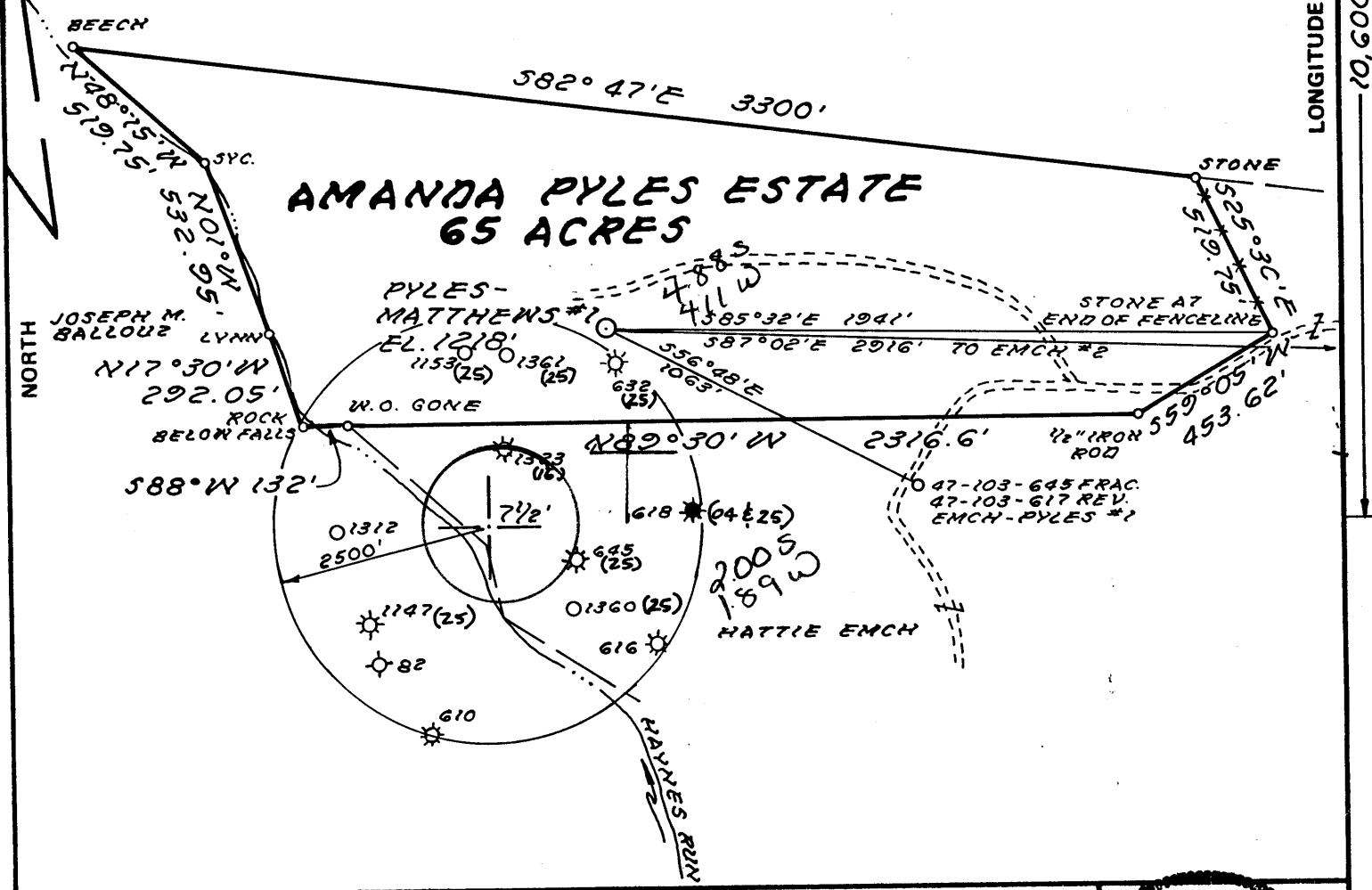


821 8/25/86

9990' 39 45
LATITUDE 39°42'30"



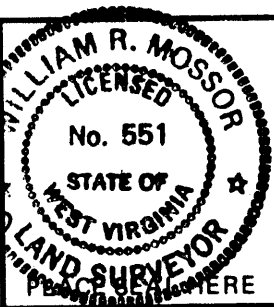
JUDY M. LONG



FILE NO. MB7-13
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION 47-103-617 REV. 1347.5' (1063' SE OF LOC.)

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) William R. Mossor
 R.P.E. _____ L.L.S. 551



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



DATE 23 MAY 19 86
 OPERATOR'S WELL NO. PYLES-MATTHEWS #1
 API WELL NO. _____
47 - 103 - 1406
 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 1218' WATER SHED HAYNES RUN
 DISTRICT PROCTOR 7 COUNTY WETZEL
 QUADRANGLE NEW MARTINSVILLE 2 7/2' 509 091 NE 3
 SURFACE OWNER EVELYN MORRIS ACREAGE 64.7
 OIL & GAS ROYALTY OWNER AMANDA PYLES ESTATE LEASE ACREAGE 65
 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 DESIGNATED AGENT ANDY BROWN
 ADDRESS 286 FRONT STREET 172 ADDRESS P.O. BOX 32
MARIETTA, OHIO 45750 READER, WV 26167

SEP 2 1986



WR-35

RECEIVED
MAY 04 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia

DEPARTMENT OF ENERGY
Oil and Gas Division

Date April 30, 1987
Operator's Well No. Pyles/Matthew # 1
Farm Amanda Pyles Heirs
API No. 47 - 103 - 1406

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: 1218' Watershed Haynes Run
District: Proctor County Wetzel Quadrangle New Martinsville 7.5

COMPANY Clay Resources, Inc.
ADDRESS 286 Front Street, Marietta, Ohio 45750
DESIGNATED AGENT Andy Brown, Jr.
ADDRESS P.O. Box 32, Reader, W. Va. 26167
SURFACE OWNER Amanda Pyles Heirs % Ernest Pyles
ADDRESS 55 E. Benjamin Dr., New Martinsville, WV 26155
MINERAL RIGHTS OWNER Same
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Mike Underwood
ADDRESS Rt. 2, Box 135 Salem, W. Va. 26426
PERMIT ISSUED 8-27-86
DRILLING COMMENCED 12-30-86
DRILLING COMPLETED 1-2-87

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	1482	1482	CTS
7			
5 1/2			
4 1/2		2920	200
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN

GEOLOGICAL TARGET FORMATION Gordon Depth 3100 feet
Depth of completed well 2950 feet Rotary x / Cable Tools
Water strata depth: Fresh N/A feet; Salt 1493 feet
Coal seam depths: Is coal being mined in the area? NO

OPEN FLOW DATA
Producing formation Gordon Pay zone depth 2822-2841 feet
Gas: Initial open flow 40 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow (25) Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure 450 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation N/A 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

(Continue on reverse side)

MAY 11 1987

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

40,000 Lbs. Sand - Foam Frac

20 perfs - ^{Gordon} 2822 - 2841 .49 diameter

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MAY 04 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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	2134	
Injun			2134	2192	
Sand & Shale			2192	2372	
Weir			2372	2458	
Sand & Shale			2458	2584	
Berea			2584	2591	
Sand & Shale			2591	2822	
✓ Gordon			2822	2841	
Sand & Shale			2841	2950	
TD			<u>2950</u>		

(Attach separate sheets as necessary)

Clay Resources, Inc.

Well Operator

By:

Date: April 30, 1987

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."

RECEIVED
AUG 11 1986



1) Date: July 21, 1986
2) Operator's Well No. Pyles/Matthew #1
3) API Well No. 47 State 103-1406 County Permit

STATE OF WEST VIRGINIA
DIVISION OF OIL & GAS 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: 1218 Watershed: Haynes Run
District: Proctor 1727 County: Wetzel Quadrangle: New Martinsville 508
- 6) WELL OPERATOR Clay Resources, Inc. CODE: 10025 7) DESIGNATED AGENT Andy Brown
Address 286 Front Street Box 32
Marietta, OH 45750 Reader, WV 26167
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Mike Underwood 9) DRILLING CONTRACTOR: Name Unknown
Address Rt. 2, Box 135 Address
Salem, West Virginia 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, Gordon 419
12) Estimated depth of completed well, 3100 feet
13) Approximate trata depths: Fresh, 318 feet; salt, 3018 feet.
14) Approximate coal seam depths: 2008 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						* 350	* 350		Kinds
Fresh water	8 5/8					1500	1500	CTS	Per rule 15.05
Coal									Sizes
Intermediate									
Production	4 1/2					3100 ±	3100±	500 + SKS	Depths set per rule 15.01
Tubing									
Lin...									Perforations:
									Top Bottom

* ONLY TO BE RUN IF FRESH WATER IS ENCOUNTERED

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-103-1406 August 27 19 86
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 August 27, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing <input checked="" type="checkbox"/>	Fee 2536 137	WPCP <input checked="" type="checkbox"/>	S&E <input checked="" type="checkbox"/>	Other
-------------------------------------------	--------------------------------------------	-------------------------------------------	--------------------------------------------	-----------------	------------------------------------------	-----------------------------------------	-------

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

Director, Division of Oil and Gas File

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