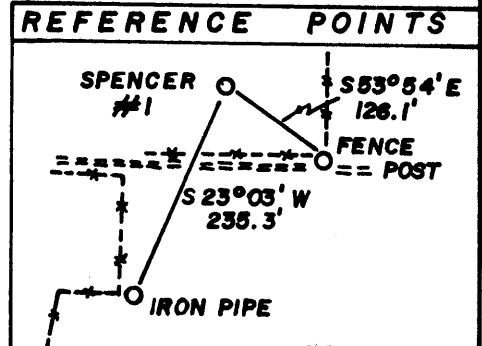
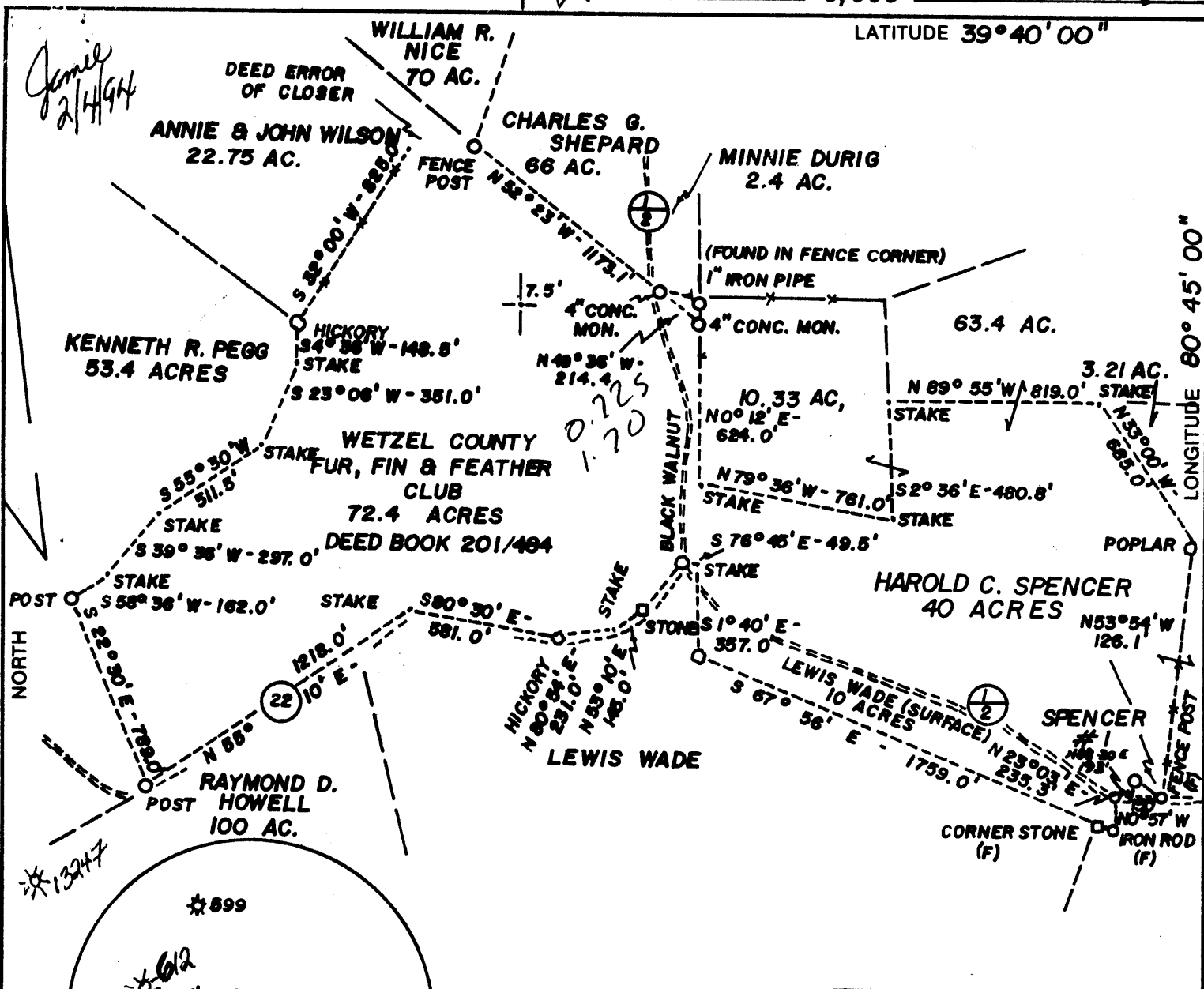


9,000

LATITUDE 39°40'00"

3830

LONGITUDE 80°45'00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 600'
 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 25 19 85
 OPERATOR'S WELL NO. SPENCER #1
 API WELL NO. 47-103-1358-F
 STATE COUNTY PERMIT

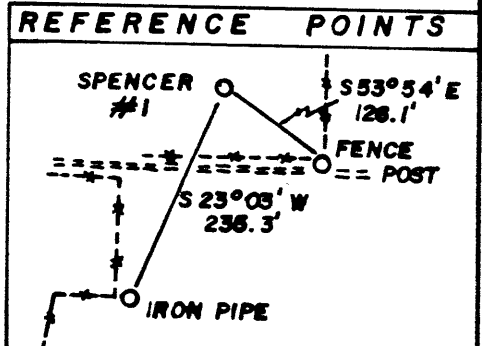
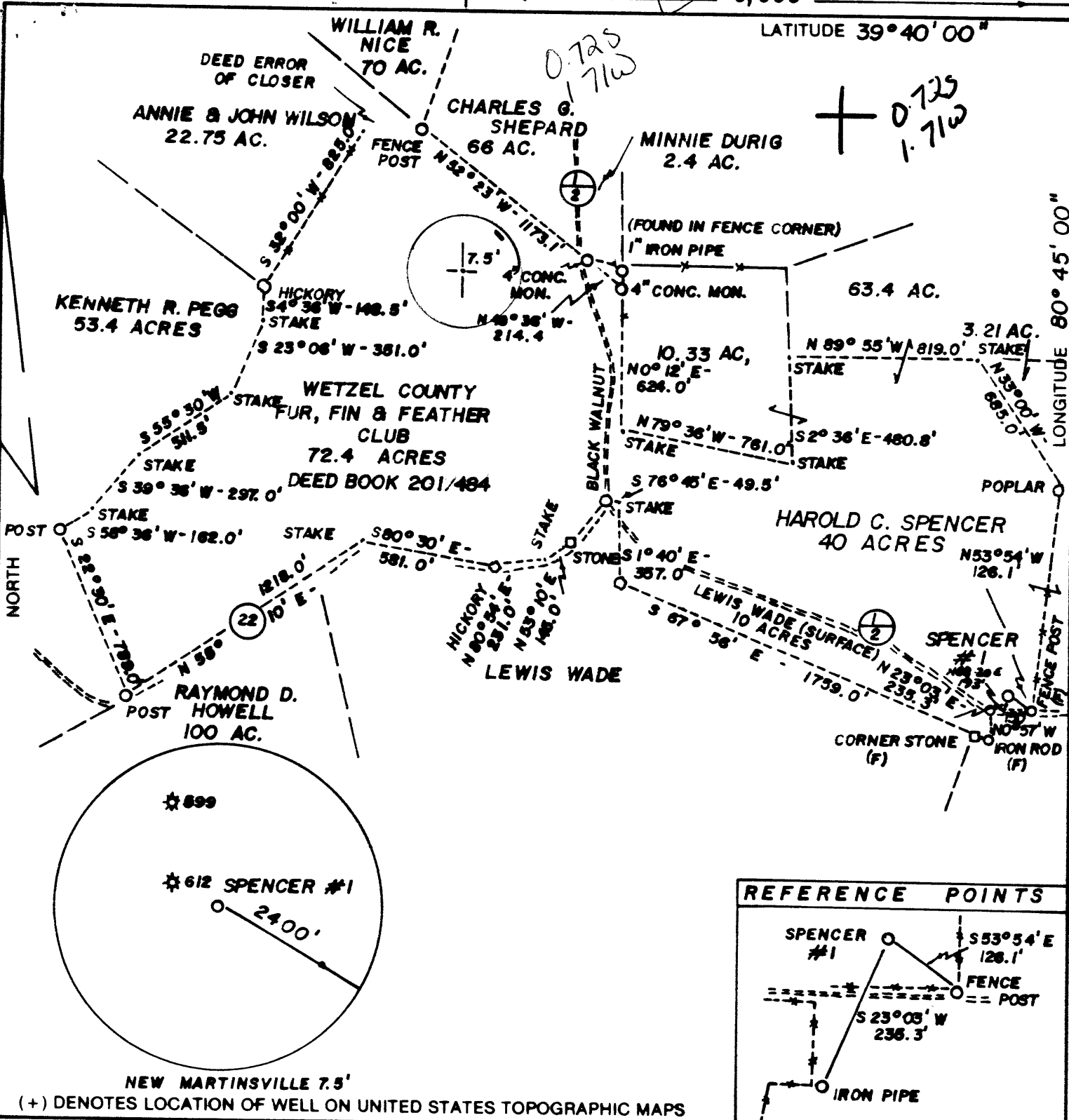
WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1258' WATER SHED HAYNES RUN
 DISTRICT MAGNOLIA COUNTY WETZEL
 QUADRANGLE NEW MARTINSVILLE 7.5' EC
 SURFACE OWNER HAROLD C. SPENCER ACREAGE 89 ACRES
 OIL & GAS ROYALTY OWNER HAROLD C. SPENCER LEASE ACREAGE 89 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) Refracture Below, Frac New Formations, Well, Big Stages Keena
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION GORDON ESTIMATED DEPTH 3500'

WEL Cobham GAs Industries, Inc. 5632 Alan Anderson
 ADD P.O. Box 1293 Same Address
 Bridgeport, wVa. 26330-1293 PH: 304-842-9256

COUNTY NAME

PERMIT



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 600'
 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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE JUNE 25 19 85
 OPERATOR'S WELL NO. SPENCER #1
 API WELL NO. _____

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

LOCATION: ELEVATION 1258' WATERSHED HAYNES RUN
 DISTRICT MAGNOLIA COUNTY WETZEL
 QUADRANGLE NEW MARTINSVILLE 7.5' 509 091 ECL

SURFACE OWNER HAROLD C. SPENCER ACREAGE 89 ACRES
 OIL & GAS ROYALTY OWNER HAROLD C. SPENCER LEASE ACREAGE 89 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 172 ESTIMATED DEPTH 3500'
 WELL OPERATOR CLAY RESOURCES INC. DESIGNATED AGENT ANDY BROWN
 ADDRESS 204 UNION SQUARE ADDRESS BOX 32
MARIETTA, OHIO 45750 READER, WV 26167

AUG 19 1985

6-0 unnamed (0)

FEB 21 1986



State of West Virginia DEPARTMENT OF ENERGY Oil and Gas Division

Date February 18, 1986 Operator's Well No. Spencer #1 Farm Harold C. Spencer API No. 47 - 103 - 1358

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: 1258 Watershed Haynes Run District: Magnolia County Wetzel Quadrangle New Martinsville 7.5'

COMPANY Clay Resources, Inc. ADDRESS Union Square, Marietta, OH 45750 DESIGNATED AGENT Andy Brown ADDRESS Box 32, Reader, WV 26167 SURFACE OWNER Harold C. Spencer ADDRESS 765 5th Street, New Martinsville, WV MINERAL RIGHTS OWNER Roxanna Hafer, etal ADDRESS Rt. #1, Box 94, Proctor, WV 26055 OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther ADDRESS General Delivery Middlebourne, WV PERMIT ISSUED August 12, 1985 DRILLING COMMENCED September 18, 1985 DRILLING COMPLETED October 23, 1985 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Gordon Depth 3300 feet Depth of completed well 3072 feet Rotary X / Cable Tools Water strata depth: Fresh feet; Salt 2238 feet Coal seam depths: 1048 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Berea Pay zone depth 2788-2798 feet Gas: Initial open flow 20 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 320 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.

PERFORATED: 12 Shots: 2790 to 2813
 20 Shots: 3034 to 3044

FRAC'D: 75% Foam

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
SS, Shale			0	518	
Limestone, shale			518	900	
sand, shale, limestone			900	1400	
shale & Limestone			1400	2100	
shale			2100	2450	
sand & shale			2450	2600	
sand			2600	2700	
sand & shale			2700	2850	Berea: 2788-2798
shale			2850	2926	Gordon: 3032-3050
				T.D. = <u>3072</u>	

(Attach separate sheets as necessary)

CLAY RESOURCES, INC.

Well Operator

By: Sandra L. Schopf 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 ~~minerals~~, encountered in the drilling of a well."

7/85

RECEIVED
JUL 26 1985



1) Date: July 23, 1985
 2) Operator's Well No. Spencer #1
 3) API Well No. 47 103 -1358
 State County Permit

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1258' Watershed: Haynes Run
 District: Magnolia County: Wetzel Quadrangle: New Martinsville 7.5
- 6) WELL OPERATOR Clay Resources, Inc CODE: 10025 7) DESIGNATED AGENT Andy 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 trata 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									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-103-1358 Date August 12 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. August 12, 1987
 Permit expires _____ 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: <u>MW</u>	Casing: <u>MH</u>	Fee: <u>714</u>	WPCP: <u>NO</u>	S&E: <u>MH</u>	Other: _____
-------------------------------------------	--------------------------------------------	-----------------	-------------------	-----------------	-----------------	----------------	--------------

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.