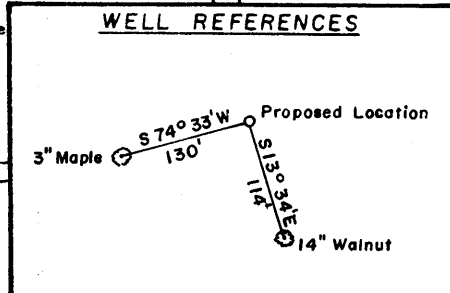
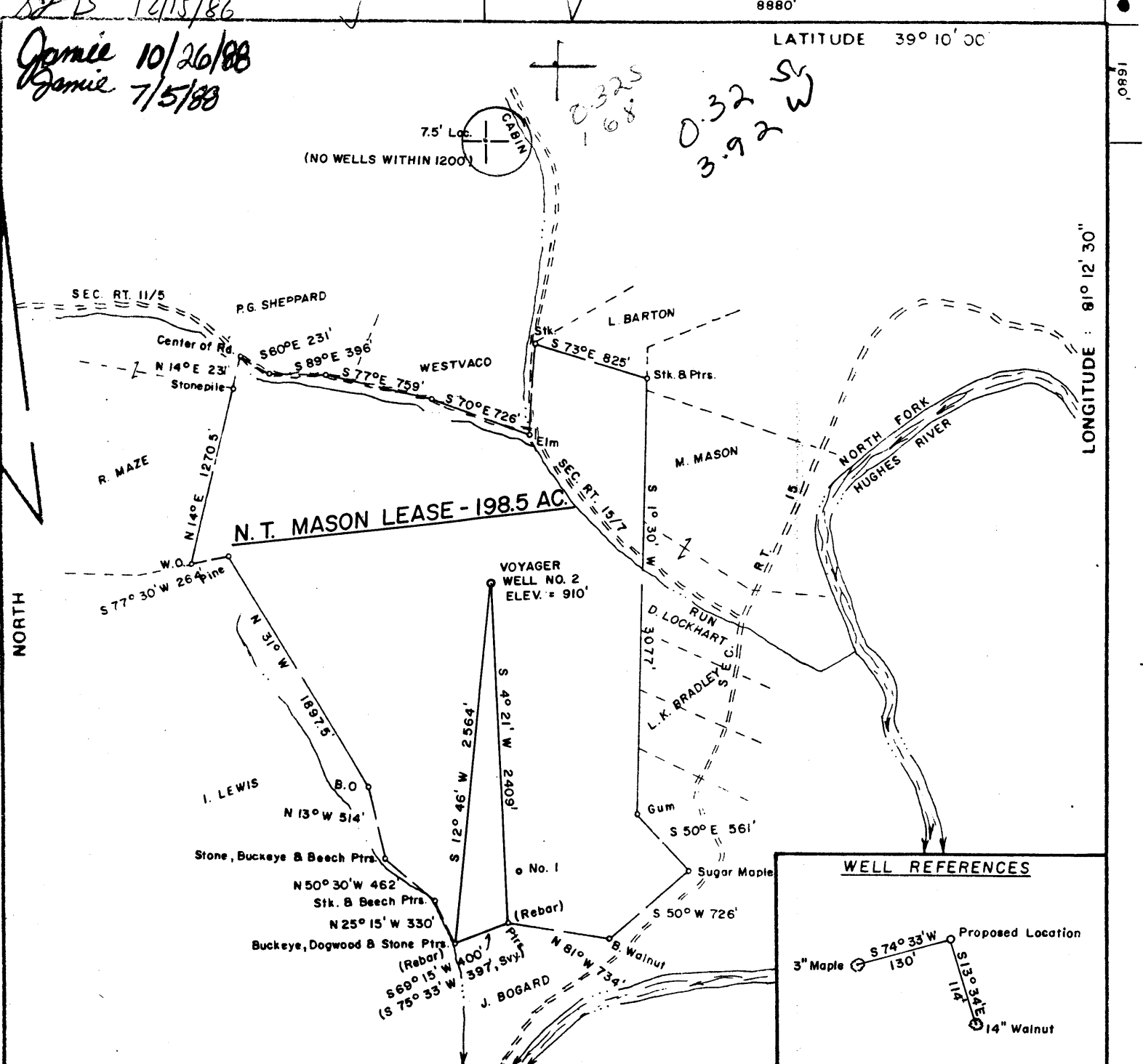


87 B 12/15/86

Gamie 10/26/88
Gamie 7/5/88

8880'
LATITUDE 39° 10' 00"

LONGITUDE 81° 12' 30"

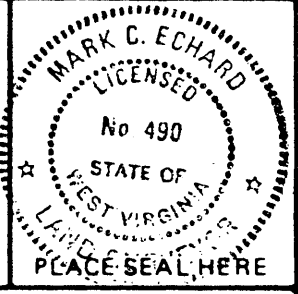


FILE NO. 12-20
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION Top of Knob SW of Location, ELEV = 901'

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-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE NOVEMBER 28, 1986
 OPERATOR'S WELL NO. TWO
 API WELL NO. _____
47 - 085 - 7581
 STATE COUNTY PERMIT

FRAC
second frac

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

LOCATION: ELEVATION 910' WATER SHED NORTH FORK HUGHES RIVER
 DISTRICT GRANT 2 COUNTY RITCHIE
 QUADRANGLE CAIRO 75' 275 0574 Harrisville wx

SURFACE OWNER DAVID A. HANLON ACREAGE 198.5
 OIL & GAS ROYALTY OWNER DAVID A. HANLON LEASE ACREAGE 198.5
 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 _____ MAXON 1730

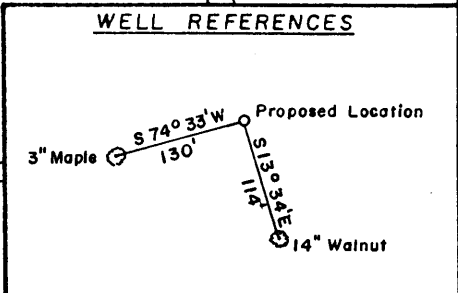
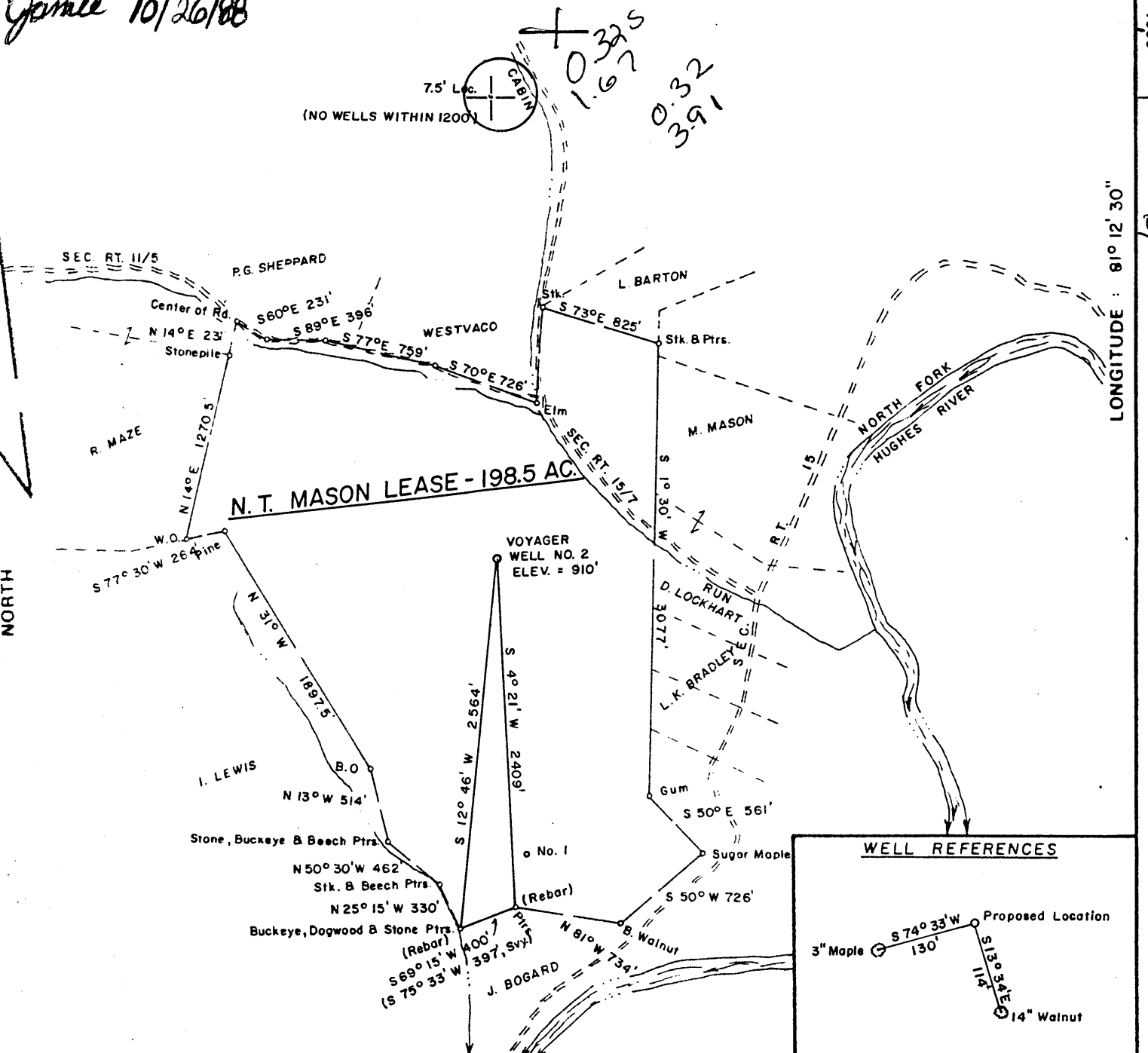
TARGET FORMATION BEREA ESTIMATED DEPTH 2400' JUL 14 1989
 WELL OPERATOR GLENGAYRE RESO DESIGNATED AGENT DAVID A. HANLON
 ADDRESS P.O. BOX 100 ADDRESS 108 EAST MAIN STREET
RENO, OHIO 45773 4082 HARRISVILLE, WV. 26362

RITCHIE 7581 FRAC.

87.15 12/15/86
 Jamie 10/26/88

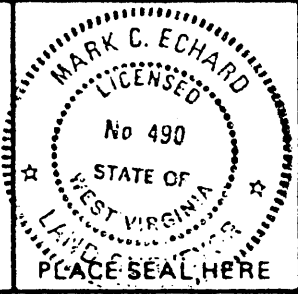
8880'
 LATITUDE 39° 10' 00"

LONGITUDE 81° 12' 30"



FILE NO. 12-20
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION Top of Knob SW of Location, ELEV. = 901'

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



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



DATE NOVEMBER 28, 1986
 OPERATOR'S WELL NO. TWO
 API WELL NO. _____
47 - 085 - 7581
 STATE COUNTY PERMIT
FRAC

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 910' WATER SHED NORTH FORK HUGHES RIVER
 DISTRICT GRANT 2 COUNTY RITCHIE
 QUADRANGLE CAIRO 75' 275 057 4 Harrisville wc
 SURFACE OWNER DAVID A. HANLON ACREAGE 198.5
 OIL & GAS ROYALTY OWNER DAVID A. HANLON LEASE ACREAGE 198.5
 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) _____

OCT 28 1988

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BEREA ESTIMATED DEPTH 2400'
 WELL OPERATOR GLENGAYRE RESO DESIGNATED AGENT DAVID A. HANLON
 ADDRESS P.O. BOX 100 ADDRESS 108 EAST MAIN STREET
RENO, OHIO 45773 4087 HARRISVILLE, WV. 26362

RITCHIE 1581

87B 12/15/86

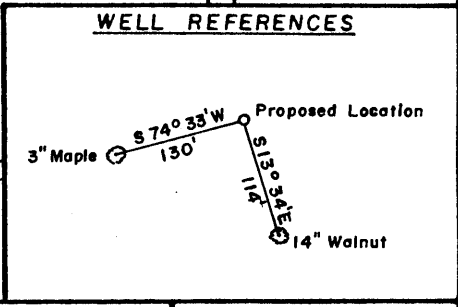
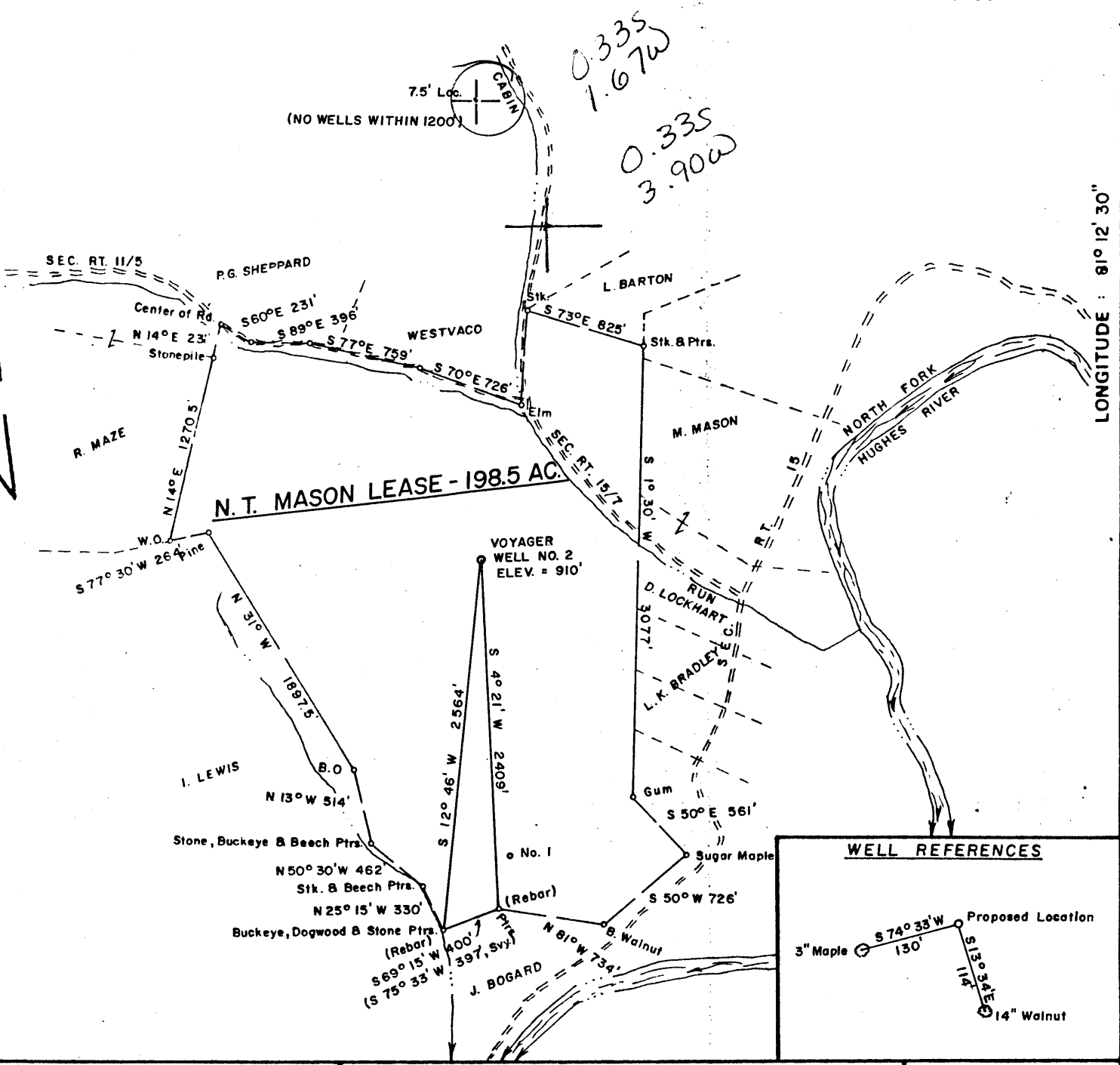
8880'

LATITUDE 39° 10' 00"

1080'

LONGITUDE 81° 12' 30"

NORTH



FILE NO. 12-20
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION Top of Knob SW of Location, ELEV. = 901'

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-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE NOVEMBER 28, 1986
 OPERATOR'S WELL NO. TWO
 API WELL NO. 47-085-7581
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 910' WATER SHED NORTH FORK HUGHES RIVER
 DISTRICT GRANT 2 COUNTY RITCHIE
 QUADRANGLE CAIRO 75 275 057 WC4 Harrisville
 SURFACE OWNER DAVID A. HANLON ACREAGE 198.5
 OIL & GAS ROYALTY OWNER DAVID A. HANLON LEASE ACREAGE 198.5
 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 2400'
 WELL OPERATOR VOYAGER OIL & GAS CORP. DESIGNATED AGENT DAVID A. HANLON
 ADDRESS P.O. BOX 183 711 RENO, OHIO 45773 ADDRESS 108 EAST MAIN STREET HARRISVILLE, WV. 26362

DEC 2-3 1986

6-0 Gillespie Run (116)

MAY 21 90

Permitting
Oil and Gas Section

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

API # 47- 83-07501

85 7581 F

Well Operator's Report of Well Work

Farm name: HANLON, DAVID G.

Operator Well No.: MASON 2

LOCATION: Elevation: 910.00 Quadrangle: CAIRO

District: GRANT County: RITCHIE
Latitude: 1680 Feet South of 39 Deg. 10Min. 0 Sec.
Longitude 8880 Feet West of 81 Deg. 12 Min. 30 Sec.

Company: GLENEAYRE RESOURCES, INC.
P. O. BOX 183
RENO, OH 45773-0000

Agent: DAVID HANLON

Inspector: SAMUEL HERSMAN
Permit Issued: 07/12/89
Well work Commenced: 6-30-89
Well work Completed: 9-25-89
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) 2020
Fresh water depths (ft) 80
Salt water depths (ft) 1300

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
7"	330'	322	52
4½	2024	2013	55
1½	0	1600	0

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 1107-1109, 1313-1315,
1386-1388, 1408-1411,
1413-1415

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 1820
 Gas: Initial open flow 45 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 2/4 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 48 Hours
 Static rock Pressure 155 psig (surface pressure) after 48 Hours

Second producing formation Maxon Pay zone depth (ft) 1683
 Gas: Initial open flow 10 MCF/d Oil: Initial open flow 2 Bbl/d
 Final open flow 2 MCF/d Final open flow 1 Bbl/d
 Time of open flow between initial and final tests 24 Hours
 Static rock Pressure 200 psig (surface pressure) after 48 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: GLENEAYRE RESOURCES, INC.

By: Thomas G. Palmer, Thomas G. Palmer
Date: 11-07-89

(OVER)

MAY 29 1990

1. Set 4½" alpha bridge plug @ 1715.
2. Dumped 6 gallons of Class "A" cement on bridge plug.
3. Perforated 4½" casing into Maxon Sandstone.
1673-1683 - 6 shots
1588-1596 - 6 shots
.39 shots - 3-1/8" Hollow Steel Carriers
4. Acidized formation with 500 gallons of FE acid.
Breakdown 2540 psig
ISIP 820 psig
5-min shut in 400 psig
5. Fracture treatment of Maxon Sandstone.
1100 bbls gelled water and 21,000# 20/40 mesh sand.
Breakdown 2600 psig
ISIP 1420
5-min shut in 1200
Average Rate 11 bpm

*NOTE: No new logs were run except Gamma-Ray correlation strip for perforation depth control.

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Division of Energy
MAY 21 90
Permitting
Oil and Gas Section

9139

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: HANLON, DAVID G. Operator Well No.: MASON 2

LOCATION: Elevation: 910.00 Quadrangle: CAIRO

District: GRANT County: RITCHIE
Latitude: 1680 Feet South of 39 Des. 10Min. 0 Sec.
Longitude 8880 Feet West of 81 Des. 12 Min. 30 Sec.

Company: GLENEAYRE RESOURCES, INC.

P. O. BOX 183
RENO, OH

Asent: DAVID HANLON

Inspector: SAMUEL HERSMAN

Permit Issued: 10/28/88

Well work Commenced: 10-19-88

Well work Completed: 10-28-88

Verbal Plussings

Permission granted on:

Rotary Cable Rig

Total Depth (feet) 2020

Fresh water depths (ft) 80

Salt water depths (ft) 1300

Is coal being mined in area (Y/N)? N

Coal Depths (ft): 1107-09, 1313-15,

1318-20, 1332-34, 1336-88, 1408-11,

1413-15

OPEN FLOW DATA

Casings & Tubing Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
7"	330'	332'	52
4-1/2"	2024	2013	55
2-3/8"	0	1723.94'	0

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MAR 24 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Producing formation Greenbrier Lime Pay zone depth (ft) 1740-50

Gas: Initial open flow 10 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 5 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 24 Hours

Static rock Pressure 450 psig (surface pressure) after 48 Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: GLENEAYRE RESOURCES, INC.

By: *[Signature]*

Date: 3-21-89

MAR 31 1989

Perforating: Greenbrier Lime 1740-50
20 shots
Hollow Steel Carriers

Frac: Nowsco
40 Tons CO₂ pumped @ 7.5 bbl/min
277,500 scf N₂ pumped @ 5,000 scf/min
Breakdown @ 2040
ISIP @ 2000
5 minute shut-in @ 1600

*NOTE: Bridge plug set @ 1810'

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MAR 24 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

7896
MAR 31 1989



WR-35

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OCT 09 1987

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

date October 6, 1987
Operator's
Well No. #2
Farm MASON
API No. 47 - 085 - 7581

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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 / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 910' Watershed North Fork Hughes River

District: Grant County Ritchie Quadrangle Cairo 7.5'

COMPANY VOYAGER OIL & GAS CORPORATION
ADDRESS P.O.Box 183, Reno, OH 45773
DESIGNATED AGENT David G. Hanlon
ADDRESS 108 E.Main St., Harrisville, WV 26362
SURFACE OWNER David G. Hanlon
ADDRESS 108 E. Main St., Harrisville, WV 26362
MINERAL RIGHTS OWNER David G. Hanlon
ADDRESS 108 E. Main St., Harrisville, WV 26362
OIL AND GAS INSPECTOR FOR THIS WORK Samuel Hersman
ADDRESS P. O. Box 66 Smithville, WV 26178
PERMIT ISSUED 12/17/86
DRILLING COMMENCED 1/17/87
DRILLING COMPLETED 1/20/87

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			
7	330'	322'	52 cu ft
5 1/2			
4 1/2	2024'	2013'	55 cu ft
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION ~~Becca~~ Big Injun Depth 1820 feet
Depth of completed well 2013 feet Rotary X / Cable Tools
Water strata depth: Fresh 80 feet; Salt 1300 feet
Coal seam depths: NA Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Big Injun Pay zone depth 1820 feet
Gas: Initial open flow 45 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 2 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure 155 psig (surface measurement) after 48 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

OCT 19 1987

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

PERFS: 1846' - 1856' w/20, .39" holes
 FRAC: 368 sx 20/40 sand
 451 bbl H₂O
 BREAK: 2150 psig
 AVG. PRESSURE: 1850 psig
 AVG. RATE: 8 BPM
 ISIP: 1510 psig

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
(Surface to 982' not logged)					
Shale, Siltstone, Coal			982	1156	Coals: 1107' - 1109' 1313' - 1315' 1318' - 1320' 1332' - 1334'
First Salt Sand			1156	1232	
Siltstone, Shale			1232	1271	Show gas @ 1184'
Second Salt Sand			1271	1407	No shows
Siltstone, Shale, Coal			1407	1518	1386' - 1388' 1408' - 1411'
Third Salt Sand			1518	1608	1413' - 1415'
Siltstone, Shale			1608	1629	Broken, good show of oil @ 1590'
Maxton Sandstone			1629	1702	Slight show of gas
Greenbrier Limestone			1702	1804	Good show oil & gas @ 1745'
Greenbrier Sandstone			1804	1814	No shows
Shale			1814	1823	
Big Injun Sandstone			1823	1904	Show gas @ 1850'
Siltstone, Shale			1904	T. D.	
Driller's T. D. 2020'					
Logger's T. D. 2024'					

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OCT 09 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

VOYAGER OIL & GAS CORPORATION

Well Operator Richard Hudson

By: 

Date: ~~6/15/87~~ 10/06/87

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."

9103

085-7581-F
 Issued 10/28/88 / Expires 10/28/90

FORM WW-2B

Page 1 of 1

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

- 1) Well Operator: Gleneayre Resources, Inc. *4082* *19280, 2, 275*
- 2) Operator's Well Number: Mason #2 3) Elevation: 910'
- 4) Well type: (a) Oil X/ or Gas X/
- (b) If Gas: Production X/ Underground Storage /
 Deep / Shallow X/
- 5) Proposed Target Formation(s): Big Injun 371
- 6) Proposed Total Depth: 2000 feet
- 7) Approximate fresh water strata depths: 80'
- 8) Approximate salt water depths: 1300'
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes / No X/
- 11) Proposed Well Work: Stimulate Existing Well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	
Conductor	7"		17#	330'	322' 52
Fresh Water					
Coal					
Intermediate					
Production	4½"		9.5#	2024'	2013' 55
Tubing					
Liners					

PACKERS : Kind None
 Sizes
 Depths set

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DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

Fee(s) paid: 1360 Well Work Permit 35 Reclamation Fund 20 WPCP

Blanket

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OCT 24 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: October 7, 1988
2) Operator's well number
Mason #2
3) API Well No: 47 - 085 - 7581 -FRAC
State - County - Permit

Bone #B-004374-087-86

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name David G. Hanlon
Address 108 E. Main Street
Harrisville, WV 26362

(b) Name _____
Address _____

(c) Name _____
Address _____

6) Inspector Sam Hersman
Address Rt. 1, Box 240
Harrisville, WV 26362
Telephone (304)- 628-3185

5) (a) Coal Operator:
Name N/A
Address _____

(b) Coal Owner(s) with Declaration
Name _____
Address _____

Name _____
Address _____

(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Gleneayre Resources, Inc.
By: _____
Its: Thomas G. Palmer, President
Address P. O. Box 100
Reno, OH 45773
Telephone (614) 373-8385

Subscribed and sworn before me this 7 day of October, 19 88

Lela E. Hill

Notary Public

My commission expires May 22, 1991

FORM WL-2 (B)
(Obsolete)
7/85

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DEC 11 1988



1) Date: December 4, 1986
2) Operator's Well No. MASON #2
3) API Well No. 47 - 085 - 7581
State County Permit

BLANKET BOND
#B-004374-087-86

STATE OF WEST VIRGINIA
DIVISION OF OIL & GAS
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: 910' / Watershed: North Fork Hughes River
District: Grant 711 2 / County: Ritchie 085 / Quadrangle: Cairo 7.5' 275
- 6) WELL OPERATOR: VOYAGER OIL & GAS CODE: 51590 / 7) DESIGNATED AGENT: DAVID G. HANLON
Address: P. O. Box 183, Reno, Ohio 45773 / Address: 108 E. Main Street, Harrisville, WV 26362
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Samuel Hersman / Address: P. O. Box 66, Smithville, WV 26178
9) DRILLING CONTRACTOR: Name: Fouts Operations, Inc. / Address: Route 2, Box 271, Glouster, OH 45732
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify): Berea 395
- 11) GEOLOGICAL TARGET FORMATION: 2400 feet
- 12) Estimated depth of completed well, 50 feet
- 13) Approximate trata depths: Fresh, N/A feet; salt, 1150 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	7"			X		320'	300'	To surface	Kinds by rule 15.05
Fresh water									Sizes
Coal									
Intermediate									
Production	4.5"		9.5#	X		2400'	2400'	As per rule	Depths set 15.01 012405KS
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-085-7581 / Date December 17, 1986

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 December 17, 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: 1242-1242	WPCF: <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.

Director, Division of Oil and Gas

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