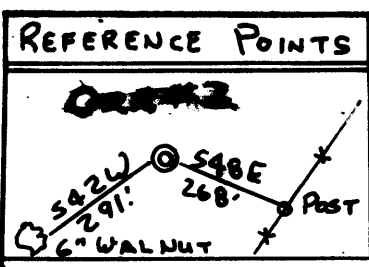


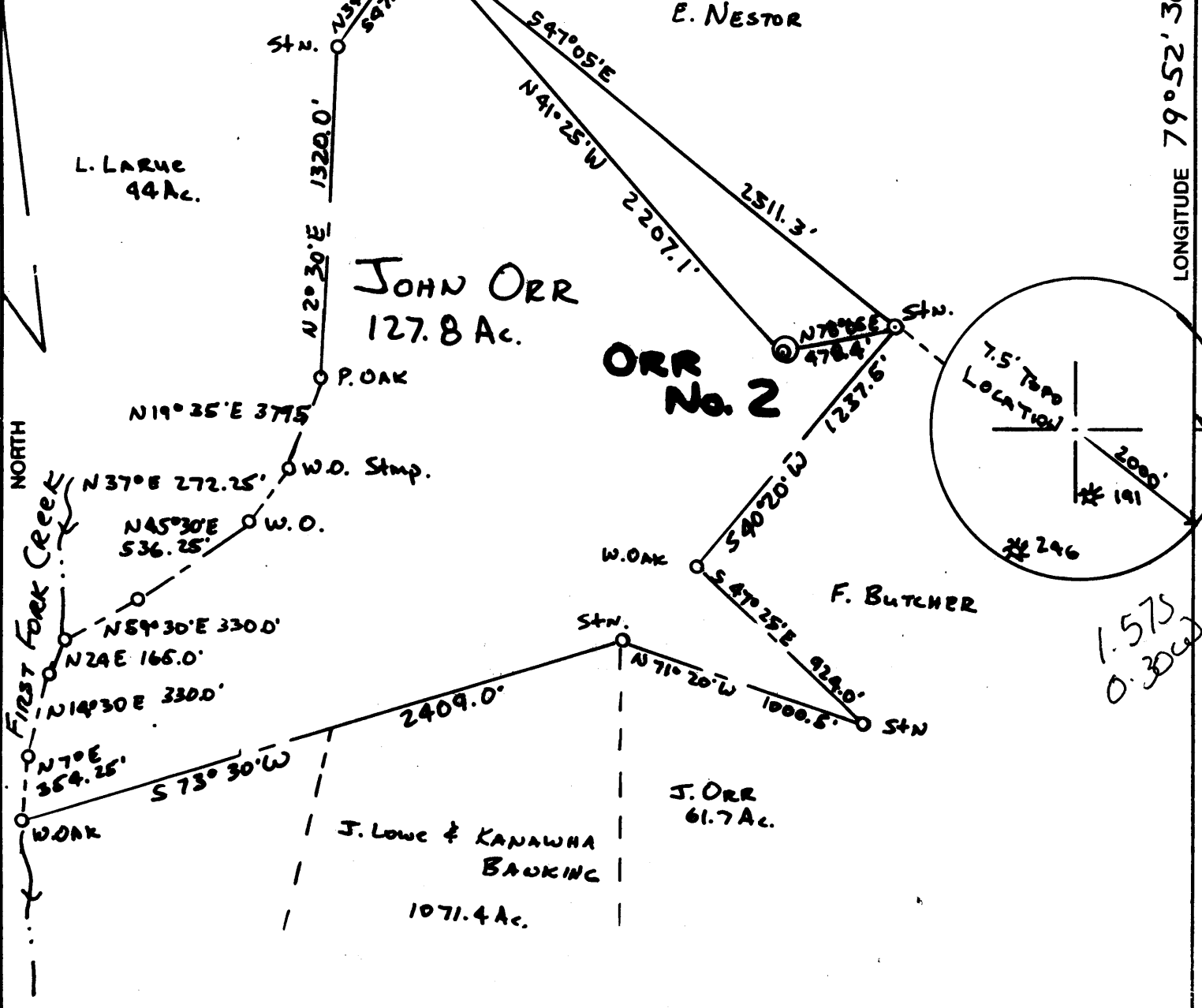
1550'

LATITUDE 39° 27' 30"

LONGITUDE 79° 52' 30"



Jamie
8/11/97



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

FILE NO. 97001
 DRAWING NO. 97001
 SCALE 1" = 600'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION EXISTING WELL # 246 SOUTH OF LOCATION

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 ENERGY.
 (SIGNED) *Mark O. Shanklin*
 R.P.E. _____ L.L.S. B27



WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 McJUNKIN ROAD
 NITRO, WEST VIRGINIA 25143-2506



DATE June 1, 19 97
 OPERATOR'S WELL NO. [REDACTED]
 API WELL NO. 47-077-00313
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (BE "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1770.2' WATERSHED FIRST FORK CREEK
 DISTRICT LYONS COUNTY PRESTON
 QUADRANGLE GLADESVILLE (7.5')

SURFACE OWNER JOHN D. ORR ACREAGE 127.8
 OIL & GAS ROYALTY OWNER JOHN D. ORR LEASE ACREAGE 127.8
 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) New drill

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION FOURTH SAND ESTIMATED DEPTH 2700'
 WELL OPERATOR HOMAX OPERATING CO. DESIGNATED AGENT OLIN SHOCKEY G-6 378
 ADDRESS STATE RT. 85 YATESBORO, PA. ADDRESS RAVENSWOOD, WV. 26164

AUG 15 1997

CC JNTY NAME PERMIT

WR-35

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WV Division of
Environmental Protection

MAR 02 1998

Permitting
Office of Oil & Gas

Date 02/12/98
API # 47-077-00313

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

RECEIVED
WV Division of
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Office of Oil & Gas

Well Operator's Report of Well Work

Farm Name: Orr Operator Well No.: 2

Location: Elevation: 1778.0 Quadrangle: Gladesville

District: Lyons County: Preston

Latitude: 8250 Feet South of Deg: 39 Min: 27 Sec: 30

Longitude: 1550 Feet West of Deg: 79 Min: 52 Sec: 30

Company: Lomak Operating Company
P O Box 235
Yatesboro, PA 16263

Agent: Olin Shockey

Inspector: Phillip Tracy

Permit Issued: 8/11/97

Well Work Commenced: 10/14/97

Well Work Completed: 10/19/97

Verbal Plugging

Permission granted on:

Rotary Cable Rig

Total Depth (feet) 2294

Fresh water depths (ft) NA

Salt water depths (ft) NA

Casing & Tubing	Grade & Weight	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
7"	H-40 17#		1058	100
4-1/2"	J-55 10.5 & 11.6#		2163	70
1-1/2"	CW-42 2.75#		2066	

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

Coal Depths (ft): 264-268, 631-641

OPEN FLOW DATA

Producing formation Fourth Sand Pay zone depth (ft) 2,074' - 2,084'

Gas: Initial open flow _____ Mcf/day Oil: Initial open flow _____ Bbl/day

Final open flow 50 Mcf/day Oil: Final open flow _____ Bbl/day

Time of open flow between initial and final tests _____ Hours

Static Rock Pressure 265 psig (surface pressure) after 72 Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ Mcf/day Oil: Initial open flow _____ Bbl/day

Final open flow _____ Mcf/day Oil: Final open flow _____ Bbl/day

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.

William A. Zagorski
FOR: LOMAK OPERATING COMPANY

By: [Signature]
Date: 2/16/98

MAR 24 1998

PREF 0313

Perforations and Treatment:

Perforations:
2,074'- 2,084' 31 Holes
Frac:
75Q foam frac
Total fluid = 6,791 gallons
Total N2 = 234,278 scf
Total Sand = 60,000 pounds 20/40
Maximum Sand Concentration = 4.0 ppg

Formations:

<u>Name</u>	<u>Top</u>	<u>Bottom</u>	<u>Gas Checks</u>
Sand and Shale	0	264	1" water @ 50'
Coal	264	268	
Sand and Shale	268	631	
Coal	631	641	
Sand and Shale	641	1,035	
Big Lime	1,035	1,122	
Keener	1,122	1,158	
Big Injun	1,158	1,243	
Shale	1,243	1,328	
Upper Weir	1,328	1,373	
Shale	1,373	1,402	
Lower Weir	1,402	1,429	
Shale	1,429	1,536	
Upper Grantz	1,536	1,550	
Shale	1,550	1,572	
Middle Gantz	1,572	1,644	
Shale, Sand	1,644	2,049	@ 1,671 - N/S
Upper Forth	2,049	2,088	@ 2,076 - N/S
Middle Forth	2,088	2,138	
Upper Forth	2,138	2,178	
Shale, Sand	2,178	T.D.	
Driller TD		2,294	
Logger TD		2,286	

Handwritten signatures and notes:
Kern...
47-071

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STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

24130

077 313

Well Operator: Lomak Operating Company ⁵⁶²⁴ 30275 (3) 368

Operator's Well Number: Orr #2 3) Elevation: 1778.2

Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /

*Issued 08/11/97
 Expires 08/11/99*

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 Office of Oil & Gas

- 5) Proposed Target Formation(s): Fourth Sand
- 6) Proposed Total Depth: 2700 feet
- 7) Approximate fresh water strata depths: NA
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 274-277, 474-477, 665-668
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT (cu. ft.)
	Size	Grade	Weight per ft.	For drilling Left in well	
Conductor					
Fresh Water	7"			<i>CS</i> 1088'	38 csr 18-11.3 38 csr 18-11.2
Coal					
Intermediate					
Production	4-1/2"			2270'	38 csr 18-11.1
Tubing					
Liners					

PACKERS : Kind _____
 Sizes _____
 Depths set _____

 For Office of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond _____ Agent
 (Type)

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AUG 08 1997

1) Date: 8/7/97
2) Operator's well number
Orr #2
3) API Well No: 47 - 077 - 0313
State County Permit

Permitting
Office of Oil & Gas
STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name John D Orr Name _____
Address Route 1 Address _____
Independence, WV 26374
- (b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name _____
Address _____
- (c) Name _____ Name _____
Address _____ Address _____
- 6) Inspector Phillip Tracy (c) Coal Lessee with Declaration
Address Route 2, Box 37-A Name _____
Montrose, WV 26283 Address _____
Telephone (304)- _____

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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 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:

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

INSTRUCTIONS TO SURFACE OWNERS NAMED ABOVE

(Continued on Reverse)

The well operator named below is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months.

Well Operator Lomak Operating Company
By: _____
Its: Attorney-in-Fact
Address P O Box 235
Yatesboro, PA 16263
Telephone 412-783-7144

Subscribed and sworn before me this 7th day of AUGUST, 1997

My commission expires _____
Sherry Kantovich

Notary Public

Notarial Seal
Sherry Kantovich, Notary Public
Cowanshannock Twp., Armstrong County
My Commission Expires Sept. 17, 1998
Member, Pennsylvania Association of Notaries