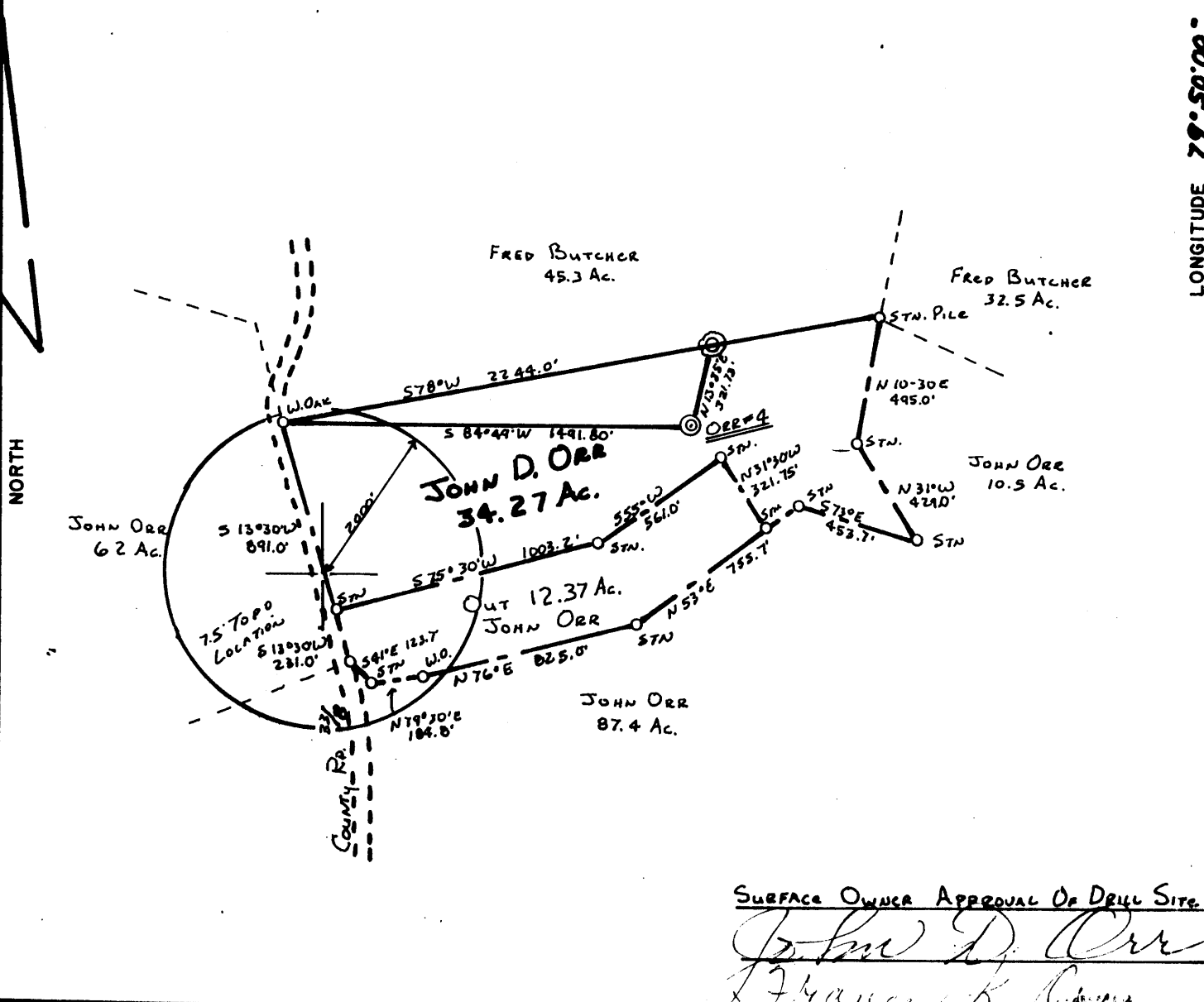
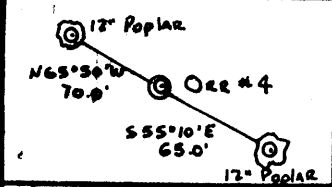


REFERENCE POINTS

Jamie 4/27/89

LATITUDE 39° 27' 30"

LONGITUDE 79° 59' 00"



SURFACE OWNER APPROVAL OF DRILL SITE

John D. Orr
Frances K. Orr

FILE NO. 1
DRAWING NO. 89002
SCALE 1" = 600'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION Existing Well # 191 NORTH WEST 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 MINES.
(SIGNED) *Mark C. Hamblet*
R.P.E. _____ L.L.S. 827

PLACE SEAL HERE

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



Department of Mines
Oil & Gas Division

DATE MARCH 30, 1989
OPERATOR'S WELL NO. Orr No. 4
API WELL NO. 47-077-0250
STATE COUNTY PERMIT

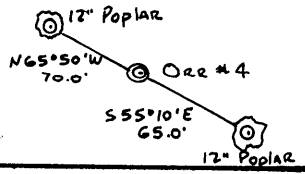
Cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
LOCATION: ELEVATION 1739' WATER SHED THREE FORK CREEK
DISTRICT LYONS COUNTY PRESTON
QUADRANGLE NEWBURG (7.5')
SURFACE OWNER JOHN D. & FRANCES K. ORR ACREAGE 34.27
OIL & GAS ROYALTY OWNER JOHN D. & FRANCES K. ORR LEASE NO. _____ LEASE ACREAGE 34.27
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION FOURTH SAND ESTIMATED DEPTH 2300'
WELL OPERATOR MARK REBOURGES CORP. DESIGNATED AGENT OLIN SHOLESY
ADDRESS PENN CENTRE WEST, BLDG II, SUITE 224 ADDRESS RT #1, Box 129B
PITTSBURGH, PA. 15276 RAVENSWOOD, W.V. 26164

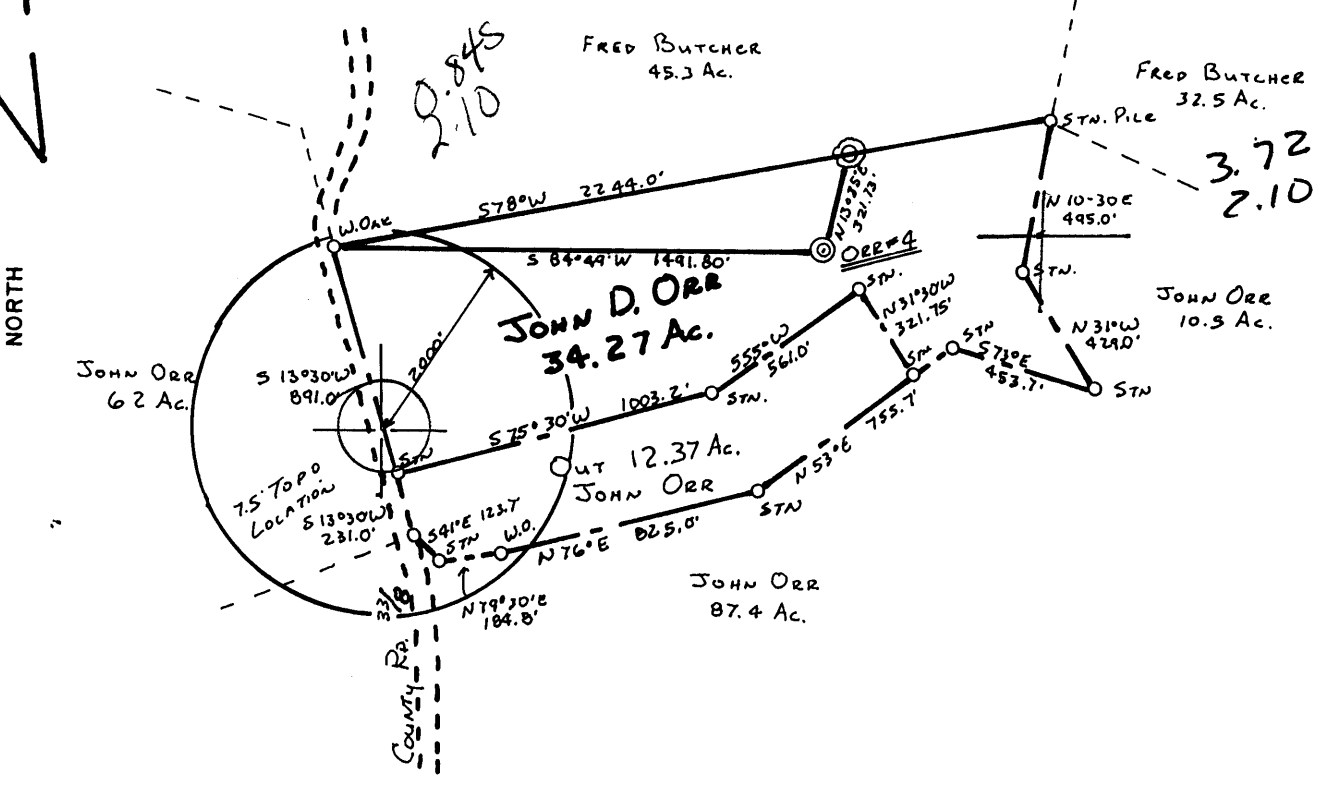
REFERENCE POINTS

Jamie 4/27/89

LATITUDE 39° 27' 30"



LONGITUDE 79° 50' 00"



SURFACE OWNER APPROVAL OF DRILL SITE

John D. Orr
Frances K. Orr

FILE NO. 1
DRAWING NO. 89002
SCALE 1" = 600'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION Existing Well # 191 NORTH WEST 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 MINES.
(SIGNED) *Mark C. Hambl*
R.P.E. _____ L.L.S. 827



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



Department of Mines
Oil & Gas Division

DATE MARCH 30, 1989
OPERATOR'S WELL NO. Orr No. 4
API WELL NO. _____
47 - 077 - 0250
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
LOCATION: ELEVATION 1739' WATER SHED Three Fork Creek
DISTRICT Lyons 3 COUNTY Preston
QUADRANGLE Newburg (7.5') 507 1222
SURFACE OWNER John D. & Frances K. Orr ACREAGE 34.27
OIL & GAS ROYALTY OWNER John D. & Frances K. Orr LEASE ACREAGE 34.27
LEASE NO. _____
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION Fourth Sand ESTIMATED DEPTH 2300' APR 28 1989
WELL OPERATOR Mark Resources Corp. DESIGNATED AGENT Olin Shockey
ADDRESS Penn Centre West, Bldg II, Suite 224 ADDRESS RT #1, Box 129B
Pittsburgh, Pa. 15276 Ravenswood, W.V. 26164

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

- 1) Well Operator: MARK RESOURCES CORPORATION 302 75-37 506
- 2) Operator's Well Number: Orr #4 3) Elevation: 1739
- 4) Well type: (a) Oil ___ / or Gas x /
 (b) If Gas: Production x / Underground Storage ___ /
 Deep ___ / Shallow x /
- 5) Proposed Target Formation(s): Fourth Sand
- 6) Proposed Total Depth: 2270' feet
- 7) Approximate fresh water strata depths: OK 200' - 250'
- 8) Approximate salt water depths: OK None C1540'
- 9) Approximate coal seam depths: OK 499-502' 550-555'
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No x /
- 11) Proposed Well Work: To drill and complete new well.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor						
Fresh Water	7"				1070' ← <i>Correct to 1070'</i>	38CSR 18-11.3 38CSR 18-11.2
Coal						
Intermediate						
Production	4 1/2"				2270'	38CSR 18-11.1
Tubing	1 1/2"				2200'	None
Liners			<i>Don Ellis</i>			

PACKERS : Kind None
 Sizes _____
 Depths set _____

RECEIVED
 APR 13 1989

14109
 For Division of Oil and Gas Use Only DIVISION OF OIL & GAS DEPARTMENT OF ENERGY
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket 50 Surveys Agent
 (Type)

5546

RECEIVED
APR 13 1989

**DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY**

- 1) Date: April 3, 1989
- 2) Operator's well number
Orr #4
- 3) API Well No: 47 - 077 - 0250
State - County - Permit

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 John D. & Frances K. Orr
Address Route 1, Box 241
Independence, WV 26374
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name _____
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Donald Ellis
Address 2604 Crab Apple Lane
Fairmont, WV 26354
Telephone (304) - 534-5596

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

_____ 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 MARK RESOURCES CORPORATION
 By: Henry C. Smyth
 Its: Vice President of Operations
 Address Penn Center West, Bldg. II, Suite 224
Pittsburgh, PA 15276
 Telephone 412-788-1340

Subscribed and sworn before me this 3rd day of NOTARIAL SEAL, 19 89

Florence L. Dixon
My commission expires October 2, 1989

NOTARIAL SEAL
 FLORENCE L. DIXON, NOTARY PUBLIC
 ROBINSON TWP., ALLEGHENY COUNTY
 MY COMMISSION EXPIRES OCT. 2, 1989

Notary Public