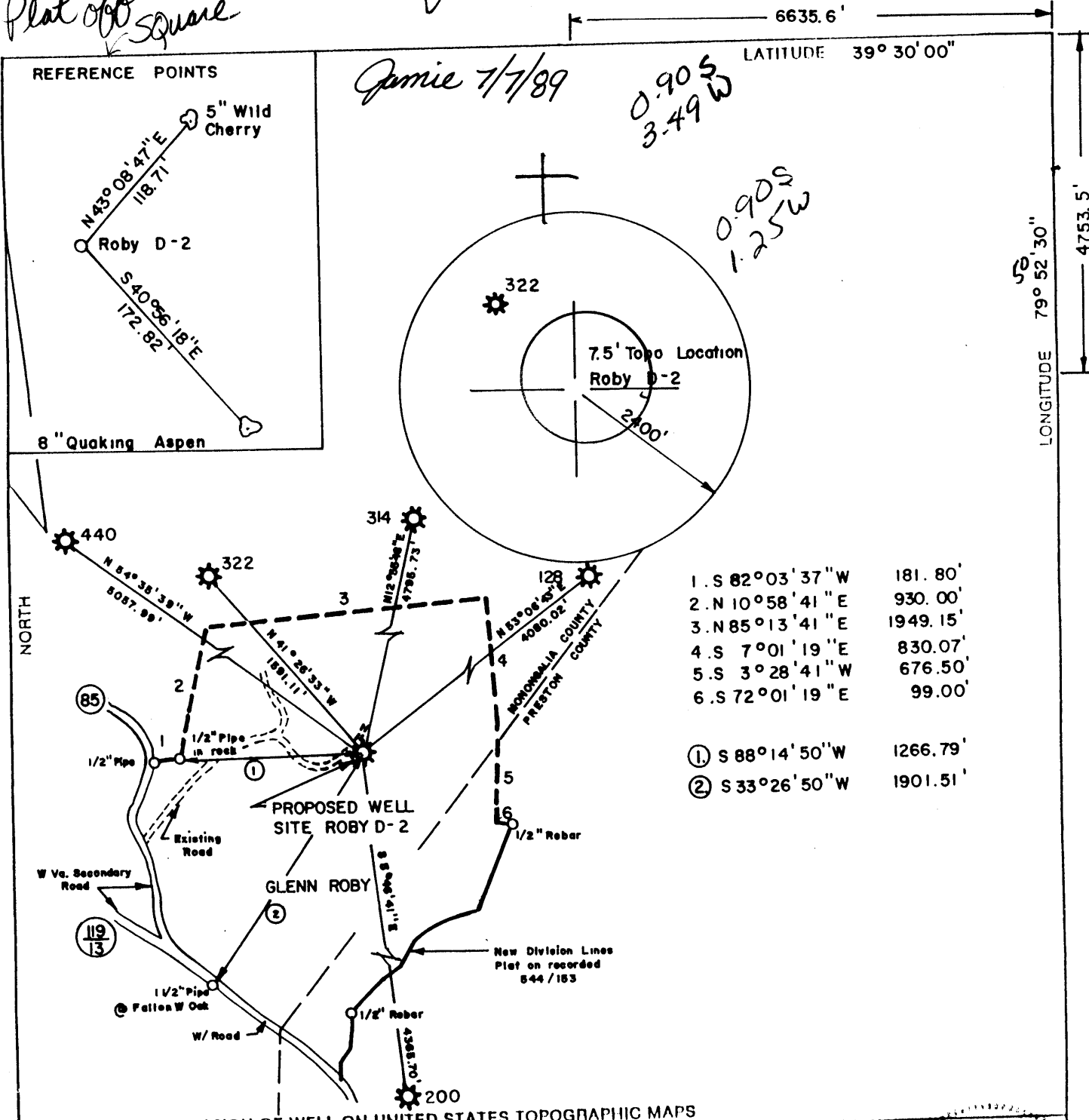


Plat off square

Janie 7/7/89

0.90 S
3.49 W

0.90 S
1.25 W



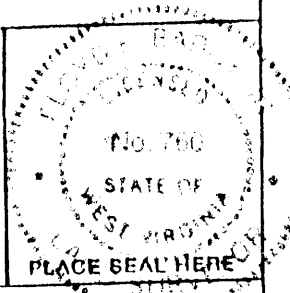
- 1. S 82°03'37" W 181.80'
- 2. N 10°58'41" E 930.00'
- 3. N 85°13'41" E 1949.15'
- 4. S 7°01'19" E 830.07'
- 5. S 3°28'41" W 676.50'
- 6. S 72°01'19" E 99.00'

- ① S 88°14'50" W 1266.79'
- ② S 33°26'50" W 1901.51'

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION USGS "UE 1966.0"

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) Anthony Pellegrino
 R.P.E. _____ L.L.S. No. 760



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



DATE _____
 OPERATOR'S WELL NO. ROBY D-2
 API WELL NO. _____
47 STATE 061 COUNTY 0935 PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP SHALLOW ___
 LOCATION: ELEVATION 1947.22 WATERSHED Brains Creek
 DISTRICT Clinton COUNTY Monongalia
 QUADRANGLE Gladesville 368 1222 Thornton NC
 SURFACE OWNER Glenn Roby ACREAGE 6.25 ac.
 OIL & GAS ROYALTY OWNER Lemc Roby Heirs LEASE ACREAGE 200 ac.
 LEASE NO. 129036

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 Helderberg ESTIMATED DEPTH 7870'
 WELL OPERATOR Phillips Petroleum Co. DESIGNATED AGENT Anthony Pellegrino
 ADDRESS P.O. Box 1967, Houston, TX 77251-1967 ADDRESS 107 Seemont Dr., Kingwood, WV 26537

AUG 11 1989

DEEP WELL 6-6 South Burns Chapel (313)

FORM WW-6

COUNTY NAME

PERMIT



Date March 9, 1990

State of West Virginia

Operator's Roby D#2

DEPARTMENT OF ENERGY

Well No. Glen Roby Farm

Oil and Gas Division

API No. 47 - 061 - 0935

RECEIVED
MAR 12 1990

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production X / Underground Storage ___ / Deep ___ / Shallow ___ /)

LOCATION: Elevation: 1947.22 Watershed Brains Creek
District: Clinton County Monongalia Quadrangle Gladesville

COMPANY Phillips Petroleum Co.
ADDRESS Bx. 1967, Houston, TX 77251-1967

DESIGNATED AGENT Anthony Pellegrino
ADDRESS 110 Seemont Dr, Kingswood, WV

SURFACE OWNER Evelyn Roby
ADDRESS 1831 Rt 64, Ionia, NY

MINERAL RIGHTS OWNER Lemma Roby Heirs
ADDRESS (see attached)

OIL AND GAS INSPECTOR FOR THIS WORK
Don Ellis ADDRESS 2604 CrabApple Lane
Fairmont, WV

PERMIT ISSUED 8-10-89

DRILLING COMMENCED 9-15-89

DRILLING COMPLETED 10-7-89

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"	100'	100'	70
9 5/8	1500'	1500'	470
8 5/8			
7			
5 XXXX	7870'	7870'	303
4 1/2			
3			
2 3/8	-	7650'	-
Liners used	N/A		

GEOLOGICAL TARGET FORMATION Helderberg Depth 7900' feet

Depth of completed well 7835' PB feet ~~XXXXX~~ AIR / Cable Tools _____

Water strata depth: Fresh 79-1280' feet; Salt N/A feet

Coal seam depths: 40' & 45' Is coal being mined in the area? YES

OPEN FLOW DATA

Producing formation Onondaga Chert Pay zone depth 7550' feet

Gas: Initial open flow 1080 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 1080 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 5 hours

Static rock pressure 1178 psig (surface measurement) after 15 hours shut in

(If applicable due to multiple completion--) N/A

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

(Continue on reverse side)

MAR 19 1990

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

(11-7-89) PERF: 7560'-7580' Acidize W/3000 gal 15% FE Acid
 (11-11-89) FRAC: Pmp 168 bbls 4% KCl SW & 168 bbls Gel Frac fluid
 (11-14-89) FRAC: Pmp 68,000 gal crosslinked gel w/120,000 lbs 20/40 sand.
 ISIP: 4400 psi.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Coal			40'	41'	
Coal			45'	47'	
5th. Sand			1762'	1785'	
1st. Speechley Sand			2562'	2582'	
Balltown			2722'	2784'	
Riley			3596'	3625'	
Benson			3888'	3942'	
Tilly			7147'	7233'	
Marcellus			7440'	7531'	
Onondaga			7531'	7545'	
Huntersville Chert			7548'	7739'	
Oriskany (1st Bench)			7739'	7821'	
Helderberg			7821'	7900' (TD)	

(Attach separate sheets as necessary)

Phillips Petroleum Company

Well Operator

By: P.D. Bairrington *(Signature)* Production Engineering Director

Date: March 9, 1990

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 all, encountered in the drilling of a well."

6215

Richard Roby
P.O. Box 3324
Morgantown, W.VA 26505

Evelyn Roby
1831 Rte. 64
Ionia, N.Y. 14475

Clifford Binggeli
1240 S. Ramona St.
San Gabriel, CA 91776

Glen Roby
Rt. 1, Box 187B
Morgantown, W.VA 26505

Lee Roby
13024 Washington Ave.
Hawthorne, CA 90250

Sue E. Roby Pell, Donald A. Pell
7613 Partredge Ave.
Las Vegas, Nevada 89128

Betty J. Richardson
P.O. Box 5526
Cresaptown, MD 21502

Russell D. Roby
2450 Ea. Bay Drv.
Largo, FL 34641

Dale Alan Porter
1300½ Lugtones Ave.
Dunbar, W.VA 25064

Mary Lynn Hilerman
P.O. Box 107
Middlebourne, W.VA 26149

Donald V. Porter
906 Phoenix Ave.
Chester, W.VA 26034

Carl D. Porter
252 Nale Drv.
Madison, AL 35758

Byron Roby, Jr.
2737 Chili Ave.
Rochester, NY 146--

Walter W. Porter
1807 Chapman Ave, NE
Huntsville, AL 358--

Linda R. Bartenett
244 N. 4th.
Olean, NY 14760

Brown Porter, Jr.
Rt. 4, Box 267
Bluff City, TN 37618

RECEIVED
JUL 05 1989
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

100-1-1300

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

- 1) Well Operator: Phillips Petroleum Company 38600 (4) 368
- 2) Operator's Well Number: Roby D-2 3) Elevation: 1947.2
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep X / Shallow /
- 5) Proposed Target Formation(s): Helderberg
- 6) Proposed Total Depth: 7870 feet
- 7) Approximate fresh water strata depths: 79', 1280', 1330'
- 8) Approximate salt water depths: Unknown
- 9) Approximate coal seam depths: 40' and 45' (Previously mined)
- 10) Does land contain coal seams tributary to active mine? Yes X / No /
- 11) Proposed Well Work: Drill and complete gas well.
Nat Well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	13-3/8"	H-40	48#	100'	100'	70
Fresh Water	9-5/8"	K-55	40#	1500'	1500'	470
Coal						38CSPIB-11.3 38CSPIB-11.2
Intermediate						
Production	5"	K-55	13#	7870'	7870'	38CSPIB-11.1 303
Tubing	2-3/8"	J-55	4.7#		7650'	
Liners						

PACKERS : Kind
Sizes
Depths set

RECEIVED
JUL 05 1989

For Division of Oil and Gas Use Only DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

129924
15
Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket Sure Agent
(Type)

1. (+ see attached)
RECEIVED
JUL 05 1989

1) Date: June 21, 1989
2) Operator's well number Roby D#2
3) API Well No: 47 - 061 - 0935
State - County - Permit

DIVISION OF OIL & GAS 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 Evelyn Roby et al
Address 1831 Rt. 64
Ionia, New York 14475
(b) Name Lemma Roby Heirs...
Address see attached
(c) Name _____
Address _____
6) Inspector Don Ellis
Address 2604 Crab Apple Lane
Fairmont, W.VA 26554
Telephone (304)-534-5596

5) (a) Coal Operator:
Name ED&E Development
Address P.O. Box 3180
Morgantown, W.VA 26503-3180
(b) Coal Owner(s) with Declaration
Name Lemma Roby Heirs...
Address see attached
(c) Coal Lessee with Declaration
Name _____
Address _____

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

X 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:

- X Personal Service (Affidavit attached)
- X 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 Phillips Petroleum Company
By: P.D. Bairrington (P.D. Bairrington)
Its: Production Engineering Director
Address Box 1967
Houston, Texas 77251-1967
Telephone (713) 669-3553

Subscribed and sworn before me this 21st day of June, 1989

My commission expires _____
Notary Public

