

FORM IV-2
(Obverse)
(12-81)



Date: August 18, 19 82

Operator's Well No. #A-2

API Well No. 47 - 085 - 5863

State County Permit

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

WELL TYPE: Oil / Gas _____
(If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____)

LOCATION: Elevation: 990' Watershed: Ellison Run
District: Grant County: Ritchie Quadrangle: Petroleum

WELL OPERATOR PETROLEUM DEVELOPMENT CORPORATION DESIGNATED AGENT John R. Mitchell
Address PO Box 26, 103 East Main Street Bridgeport, WV 26330

OIL & GAS ROYALTY OWNER Davis-Hewitt COAL OPERATOR _____
Address Sue W. Davis, 409 E. Main St, Harrisville, WV _____

Alice Anne & Davis Hewitt, 1260 West Wesley Rd, NW Atlanta, Georgia 30327
Acreage 75

SURFACE OWNER Westvaco Corporation COAL OWNER(S) WITH DECLARATION ON RECORD:
Address c/o W. V. Woodlands, mgr Parkersburg, WV 26101
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Address _____
Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Samuel N. Hersman
Address PO Box 66 Smithville, WV 26178

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease other contract _____ / dated August 5th, 19 82, to the undersigned well operator from Sue W. Davis, Alice Anne & Davis Hewitt
(IF said deed, lease, or other contract has been recorded:) sent in for recordation August 16, 1982
Recorded on _____, 19_____, in the office of the Clerk of the County Commission of _____ County, West Va., in _____ Book _____ at page _____. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____ / Plug off old formation _____ / Perforate new formation _____ / Other physical change in well (specify) _____
—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

RECEIVED
AUG 23 1982
OIL & GAS DIVISION
DEPT. OF MINES
BLANKET BOND

04/12/2024
PETROLEUM DEVELOPMENT CORPORATION
By John R. Mitchell Well Operator
Ms Area Manager of Operations

file

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) _____
Address _____

GEOLOGICAL TARGET FORMATION, Marcellus Shale

Estimated depth of completed well, 5900 feet Rotary / Cable tools _____ /

Approximate water strata depths: Fresh, 240 feet; salt, 490 feet.

Approximate coal seam depths: none Is coal being mined in the area? Yes _____ / No /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft			For drilling	Left in well			
Conductor	16"	--	--		x	30'	30'		Kinds	
Fresh Water	11 3/4"	H-40	44#	x		260'	260'	cement to surface	Face	
Coal									Sizes	
Intermediate	8 5/8"	H-40	23#	x		1660'	1660'	cement to surface	Face	
Production	4 1/2"	J-55	10.5#	x		5850'	5850'	500 sks	Depths set	
Tubing										
Liners									Perforations:	
									Top	Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 5-7-83;

BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____
Its _____

STAMPED PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED
AUG 30 1983

INSPECTOR'S WELL REPORT OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 085-5863

Oil or Gas Well _____
(KIND)

Company <u>Pet. Dev. Corp.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			Kind of Packer _____
Farm <u>SUE DAVIS</u>	16			
Well No. <u>2-A-</u>	13			Size of _____
District <u>Grant</u> County <u>Ritchie</u>	10			
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 1/4			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			NAME OF SERVICE COMPANY _____
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			_____ FEET _____ INCHES _____ FEET _____ INCHES
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks:

Final inspection
O.K. To Release

8-25-83

DATE

[Signature]
04/12/2024
DISTRICT WELL INSPECTOR

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.

DATE

04/12/2024
DISTRICT WELL INSPECTOR



State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

September 2, 1983

Petroleum Development Corp.
P. O. Box 26
Bridgeport, W. Va. 26330

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

<u>PERMIT NUMBER</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
RiT-5628-REV.	Maxine & Foster Smith, #1	Grant
RIT-5771	Jennings Ross, #34-2535-5	Grant
RIT-5863	Westvaco Corporation, #A-2	Grant
RIT-5899	Brian G. & Diane Whalin, #1	Grant
RIT-6024	Alfred Blizzard et al, #2	Grant
RIT-6129	Daniel Donnelly etux, #1	Grant

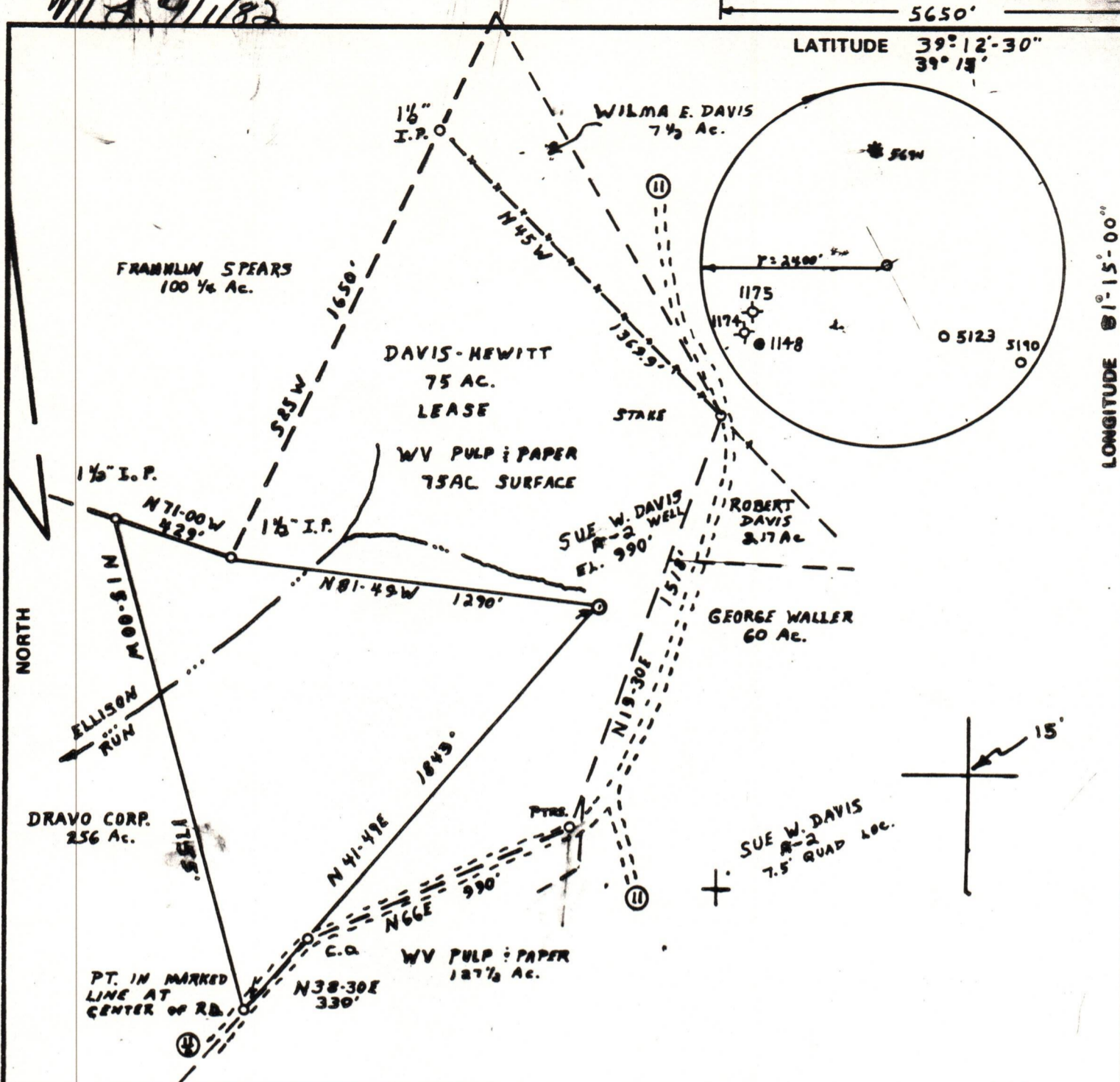
In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.....

Very truly yours,

Theodore M. Streit, Administrator
Office of Oil & Gas-Dept. Mines

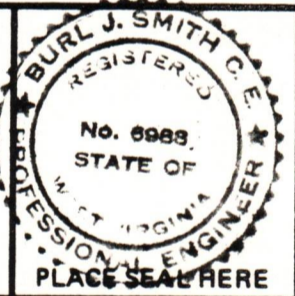
04/12/2024

MA 9/1/82



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION RD. INT.
EL. 1112

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) Burl J. Smith
 R.P.E. 6988 L.L.S. _____



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



DATE JULY 22, 19 82
 OPERATOR'S WELL NO. SUE W. DAVIS R-2
 API WELL NO. 47-085-5863
 STATE COUNTY PERMIT

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 990' WATER SHED ELLISON RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE PETROLEUM
 SURFACE OWNER WV PULP & PAPER ACREAGE 75
 OIL & GAS ROYALTY OWNER DAVIS-HEWITT LEASE ACREAGE 75
 LEASE NO. 363100
 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 MARCELLUS SHALE ESTIMATED DEPTH 5900
 WELL OPERATOR PETROLEUM DEV. CORP. DESIGNATED AGENT JOHN R. MITCHELL
 ADDRESS P.O. BOX 26 ADDRESS P.O. BOX 26
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

04/12/2024

(REVERSE)

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

		CO ₂ (1000 ² lbs.)	N ₂ (MCF)	ACID (bbls)
<u>1st Stage</u>	40 perfs (3675-4513)	22	300	6
<u>2nd Stage</u>	30 perfs (2935-3632)	20	330	6
<u>3rd Stage</u>	35 perfs (2301-2692)	27	450	6

1500 gal. diesel & kerosene, and paraffin inhibitor.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
K.B.-G.L.			0	10	
Sand, shale, red rock			10	1602	
Big Lime			1602	1689	
Big Injun			1689	1776	
Squaw			1776	1805	
Sand, shale			1805	2037	
Weir			2037	2100	
Sand, shale			2100	2167	
Sunbury Shale			2167	2178	
Berea			2178	2190	
Sand, shale			2190	2278	
Gantz			2278	2315	
Sand, shale			2315	2570	
Gordon, Stray/Gordon			2570	2624	
Sand, shale			2624	3116	
Huron			3116	4324	
Java			4324	4699 T.D.	

(Attach separate sheets as necessary)

Petroleum Development Corporation

Well Operator

By: *John Mitchell* 04/12/2024

Date: March 10, 1983

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."



State of West Virginia

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

04/12/2024

DATE Aug. 11-82

WELL NO. A-2

API NO. 47-085 - 5863

COMPANY NAME *Producers Development Corp*

Address *P.O. 26, Bridgeport, W.Va. 26330*

Telephone *842-6256*

LANDOWNER *James - Bennett*

Revegetation to be carried out by *Shelby Contractor*

This plan has been reviewed by *Little Kanawha*

SCD. All corrections

and additions become a part of this plan:

(Date) *8-17-82*

(SCD Agent) *James Bennett*

ACCESS ROAD

Structure *Stream Type*

Spacing *(max 12" I.D.)*

Page Ref. Manual *2.7*

Structure *Drainage Ditch*

Spacing *n/a*

Page Ref. Manual *2:12*

Structure

Spacing

Page Ref. Manual

OIL & GAS DIVISION

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Lime or correct to pH *6.5*

Fertilizer *600*

(10-20-20 or equivalent)

Mulch *Hay - 2*

Seed* *42-31-30*

Lbs/acre *Spillman Clover - 10-4*

Lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

NOTES: Please request landowner cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY *John Mitchell*

ADDRESS *P.O. 26*

PHONE NO. *842-6256*
Bridgeport, W.Va. 26330

Treatment Area II
Lime or correct to pH *6.5*
Fertilizer *600*
(10-20-20 or equivalent)
Mulch *Hay - 2*
Seed* *42-31-30*
Lbs/acre *Spillman Clover - 10-4*
Lbs/acre

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Petaluma 7.5

LEGEND

Well Site ⊕

Access Road ———

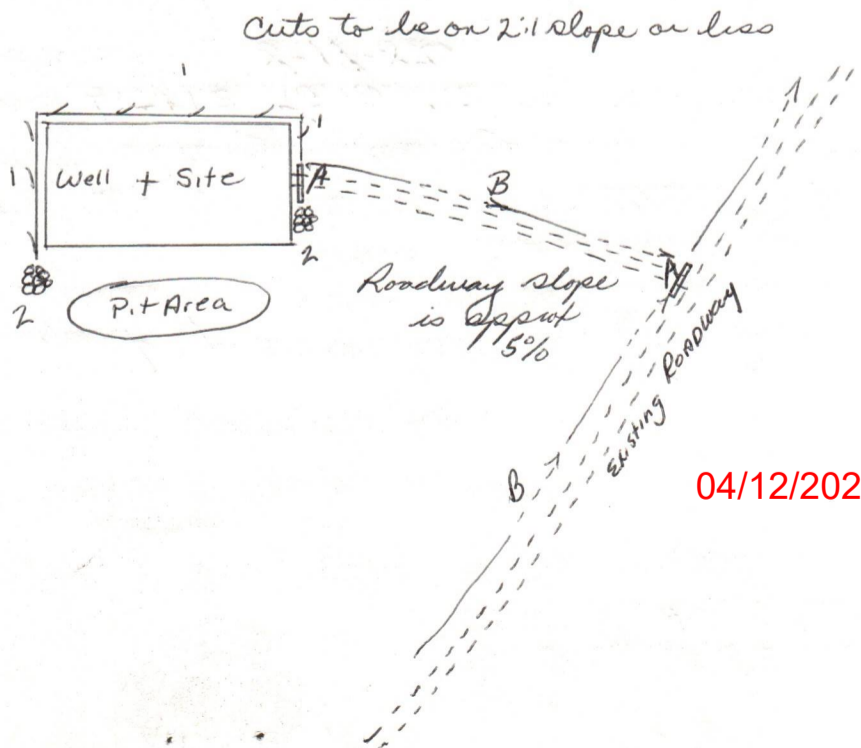


WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary ————	Diversion ————
Road = = = = =	Spring ○ →
Existing fence — x — x —	Wet spot ☼
Planned fence — / — / —	Building ■
Stream ~ ~ ~ ~ ~	Drain pipe — ○ — ○ — →
Open ditch — ···· — ···· — ···· —	Waterway ⇐ = = = ⇒



04/12/2024