



1) Date: June 6, 19 83
 2) Operator's Well No. Langford S-119-2
 3) API Well No. 47 085 6583
 State County Permit

DRILLING CONTRACTOR:

Gene Stalnaker, Inc.
P.O. Box 178
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

- Glenville, WV 26351
- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1190 Watershed: Right Fork of White Oak
 District: Union County: Ritchie Quadrangle: Pullman 7.5
- 6) WELL OPERATOR Gene Stalnaker, Inc. 11) DESIGNATED AGENT Gene Stalnaker
 Address P.O. Box 178 Address P. O. Box 178
Glenville, WV 26351 Glenville, WV 26351
- 7) OIL & GAS ROYALTY OWNER Hale Langford 12) COAL OPERATOR n/a
 Address Pullman, WV Address _____
 Acreage 126.59
- 8) SURFACE OWNER Hale Langford 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Pullman, WV Name n/a
 Acreage 126.59 Address _____
 Name _____
 Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Samuel Hersman
 Address Box 66 Smithville, WV
477-3597
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name n/a
 Address _____
- 15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Marcellus
- 17) Estimated depth of completed well, 5300 feet
- 18) Approximate water strata depths: Fresh, 140 feet; salt, _____ feet.
- 19) Approximate coal seam depths: n/a Is coal being mined in the area? Yes / No

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 JUN - 7 1983
 OIL & GAS DIVISION
 DEPT. OF MINES

20) 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	11 3/4				X	40'			Kinds	
Fresh water										
Coal									Sizes	
Intermediate	8 5/8	CW	231b	X		1275'	1275'	To Surface	by Rule 15.05	
Production	4 1/2	ERW	10.50	X			5300'	2000' Fill	Depths set 02 45 059	
Tubing								Up	by Rule 15.01	
Liners									Perforations:	
									Top Bottom	

- 21) EXTRACTION RIGHTS
 Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
 If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)
- 24) 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.

Notary: Barbara C. Smith Signed: Gene Stalnaker
 My Commission Expires November 9, 1992 Its: President

OFFICE USE ONLY
 Permit number 47-085-6583 **DRILLING PERMIT** Date July 7 1983
04/26/2024

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. 10) 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.)

Permit expires March 7, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>LS</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>13628</u>
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Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—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.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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.
- 24) **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.**

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

04/26/2024

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 _____



IV-9
(Rev 8-81)

DATE June 1, 1983

WELL NO. S 119-2

State of West Virginia

API NO. 47-085-6583

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Gene Stalnaker Inc.

DESIGNATED AGENT Gene Stalnaker

Address P.O. Box 178 Glenville, WV 26351

Address P.O. Box 178 Glenville, WV 26251

Telephone 304-462-5701

Telephone 304-462-5701

LANDOWNER Hale Langford

SOIL CONS. DISTRICT Little Kanawha

Revegetation to be carried out by Gene Stalnaker Inc. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 6-2-83 (Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)

Structure Diversion Ditch (1)

Spacing N/A

Material Earthen

Page Ref. Manual 2-12

Page Ref. Manual 2-12

Structure Cross Drain (B)

Structure Sediment Barrier (2)

Spacing as required per grade

Material Logs & Stone

Page Ref. Manual 2-1

Page Ref. Manual 2-16

Structure _____ (C)

Structure _____ (3)

Spacing _____

Material _____

Page Ref. Manual _____

Page Ref. Manual _____

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DEPT. OF MINES

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 & II

~~Treatment Area III~~

Lime _____ Tons/acre

Lime _____ Tons/acre

or correct to pH 6.5

or correct to pH _____

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Fertilizer _____ lbs/acre
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Mulch _____ Tons/acre

Seed* KY-31 35 lbs/acre

Seed* _____ lbs/acre

Ladino Clover 5 lbs/acre

_____ lbs/acre

_____ lbs/acre

_____ lbs/acre

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

PLAN PREPARED BY Smith Land Surveying Co.

ADDRESS 111 South Street

Glenville, WV 26351

PHONE NO. 304-462-5634

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

04/26/2024

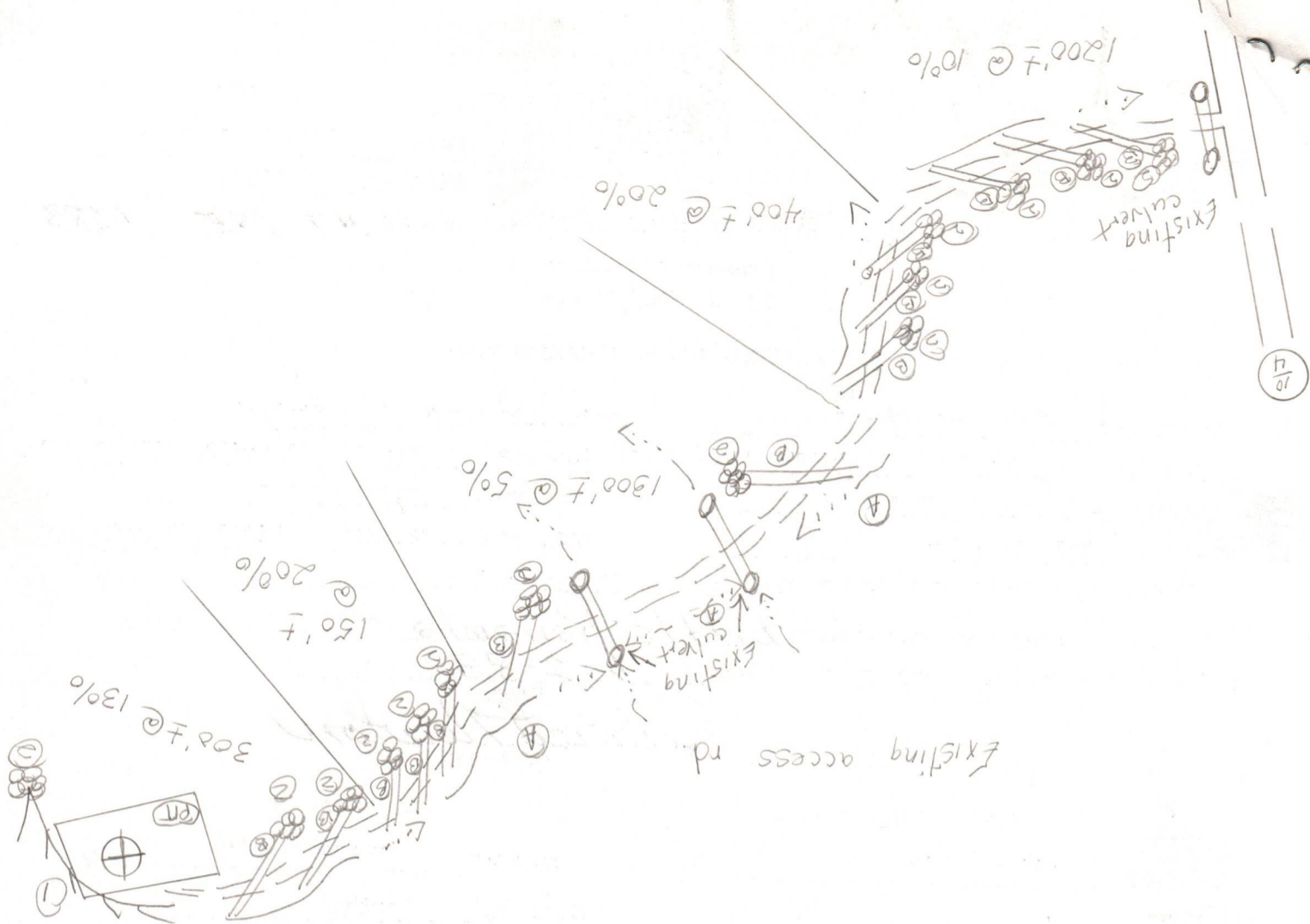
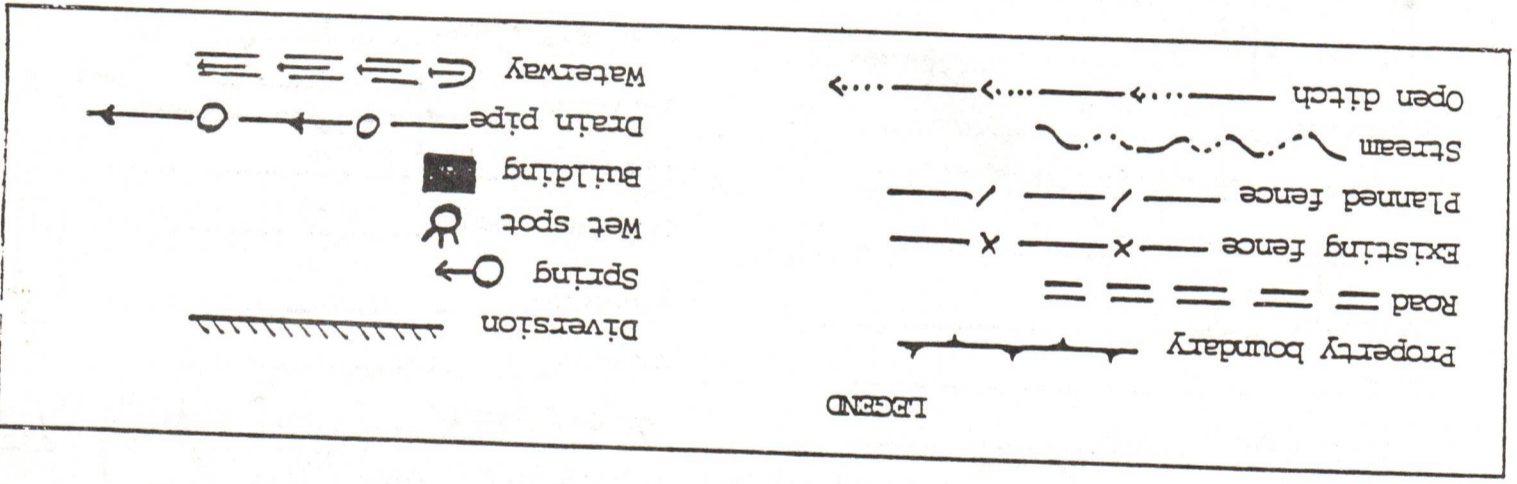
ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Pullman 7.5'

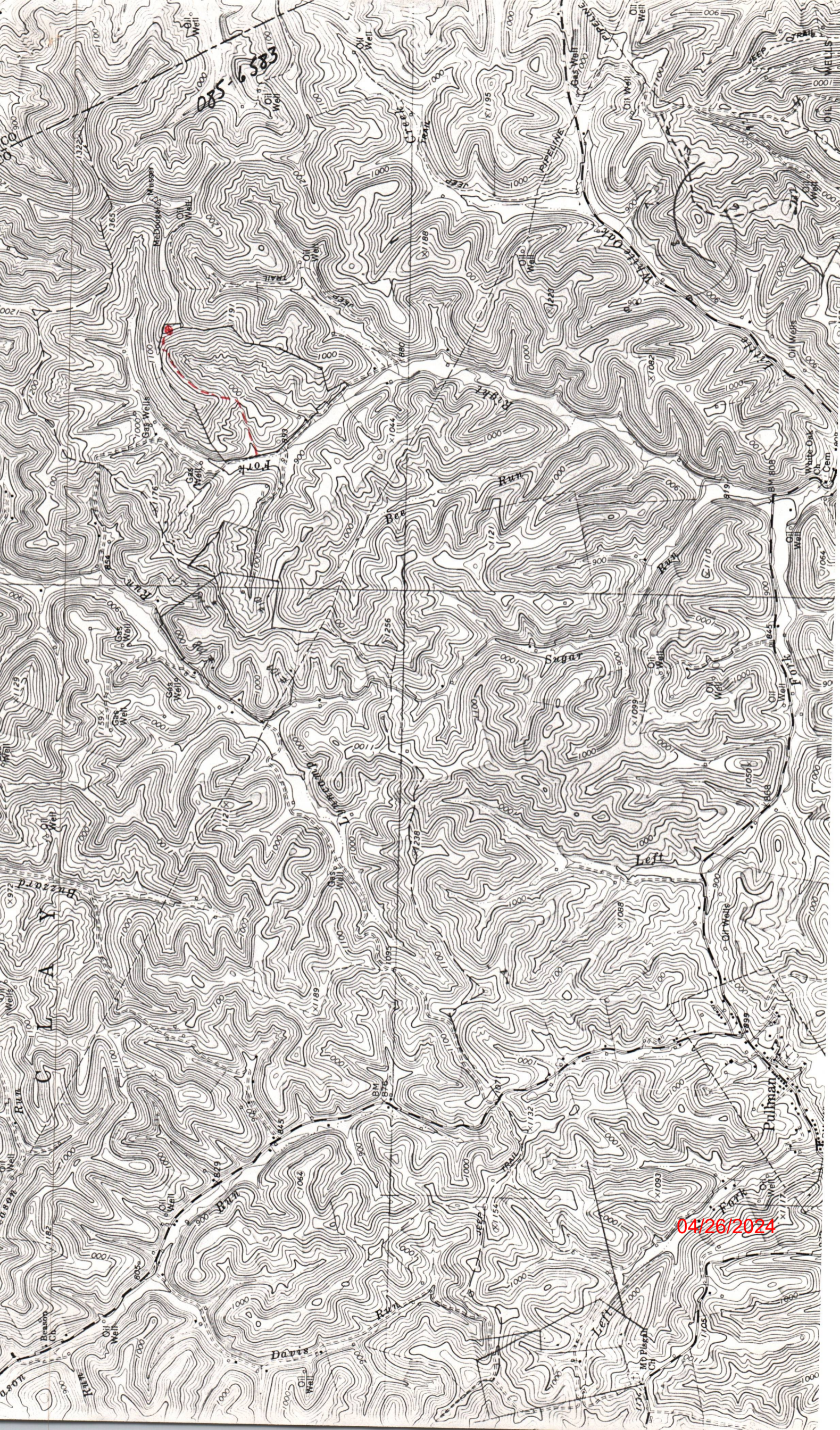
04/26/2024

Attached

WELL SITE PLAN

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





085-6583

04/26/2024

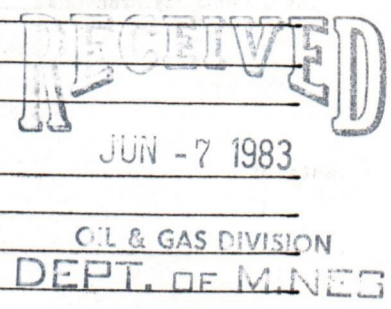
between Hale F. Langford + Lona B Langford
husband & wife

County of _____ and state of _____ of _____ P. O.
part _____ of the first part,

hereinafter called Lessors, whether one or more, and 7 Gene Stalnaker
party of the second part, hereinafter called Lessee.

WITNESSETH, that the said Lessors for and in consideration of the sum of one
Dollars to them in hand well and truly paid by said Lessee, the receipt of which is hereby acknowledged, and of the covenants and
agreements hereinafter contained on the part of the said Lessee, to be paid, kept and performed, have granted, demised, leased and let and
by these presents do grant, demise, lease and let with covenants of quiet possession, and that they have the sole right so to grant and
demise, unto the said Lessee, its successors and assigns, for the purpose of mining and operating for oil and gas, and of building tanks,
stations, power plants, water stations and structures thereon to take care of the said products, and of laying pipe lines on, over and across
the leased premises and other lands of Lessors, for the purpose of conveying oil, gas, steam or water therein from and to wells and pipe
lines on the premises and on adjoining and adjacent farms, and rights of way for road ways over this and other land of Lessors.

All that certain tract of land situate in Union District Ritchie
County and State of W. Va. on the waters of White Oak



bounded as follows:

On the North by lands of _____

On the East by lands of Map 9 parcel 01

On the South by lands of D B 114 page 195

On the West by lands of _____

Containing (126) acres, more or less, being land purchased
from _____ by deed dated _____ recorded Deed Book _____ page _____

reserving, however, therefrom all lands within two hundred feet of the resident buildings now on the premises on which no well shall be
drilled by either party except by mutual consent.

It is agreed that this lease shall remain in force for the term of 6 months
either of them, is produced from the said lands by the said Lessee, its successors and assigns.

In Consideration of the Premises the said party of the second part, covenants and agrees: 1st—to deliver to the credit of the Lessors,
their heirs or assigns, free of cost, in the pipe line to which Lessee may connect its wells, _____
their proportionate share of _____ the equal one-eighth (1/8) part of all oil produced
and saved from the leased premises; and second, to pay their proportionate share of _____

one-eighth (1/8) of the value at the well of the gas from each and every gas well drilled on said premises, the product from which is
marketed and used off the premises, said gas to be measured at a meter set on the farm.

The Lessee shall not be required in any event to increase the rate of said gas well payments or said royalty of oil by reason of any
royalty or interest in said oil or gas that may have been heretofore sold, reserved or conveyed by Lessors or their predecessor in title or
otherwise. And any such outstanding royalty or interest shall first be deducted from the royalties and rentals above provided to be paid or
delivered.

It is agreed by the parties hereto that the Lessee, its successors or assigns, shall have the right to use off the farm for such purposes as
it may desire, "Casing Head Gas," (being gas produced from wells on the premises), but if said "casing head gas" or any part thereof should
be manufactured into gasoline or other by-products by said company, said Lessors shall receive their share of _____
one-eighth of the net value at the factory of the gasoline and other by-products so manufactured.

Lessee may lay a line to any well producing gas only on said land or to second party's pipe line leading from said well to market,
to take gas produced from said well for own use for heat and light in one dwelling house on said land at Lessor's own risk,
subject to the use, operation, pumping and right of abandonment of the well and pipe line by the Lessee; the first two hundred thous-
and cubic feet of gas so taken in each year shall be free, but all gas in excess of two hundred thousand cubic feet taken in each
year shall be paid for by the Lessor at the current published local rates of the Lessee, and measurement and regulation shall be by
meter and regulators set at the tap on the well or line. This privilege is upon condition that the Lessor shall use said gas with eco-
nomy, in safe and proper pipes and appliances, and shall subscribe to and be bound by reasonable rules and regulations of the Lessee
published at such time relating to such use of gas.

Lessee covenants and agrees to locate all wells so as to interfere as little as possible with the cultivated portion of the farm. And it
is agreed that the leased premises may be fully and freely used by the Lessors for farming purposes, excepting such parts as are used by
the Lessee in operating hereunder, and, further, that the said Lessee may drill or not drill on said land, as it may elect, and that the con-
sideration and rentals paid and to be paid constitute adequate compensation for such privilege.

The said Lessee covenant and agrees to pay rental at the rate of _____
(\$ _____) Dollars, quarterly in advance, beginning in _____
_____ months from this date, until, but not after, a well yielding royalty to the Lessors in
drilled on the leased premises, and any rental paid for time beyond the date of completion of a gas well shall be credited upon the first
royalty due upon the same and all rentals shall cease after the surrender of this lease as hereinafter provided. All payments for delay,
for gas produced and marketed, for gasoline and other by-products may be made direct to the lessors or be deposited to their credit, or to
the credit of their heirs or assigns in the _____
Bank of _____ or by check mailed to _____
at _____ P. O., _____ County
State of _____; such payments may be also made in the same manner to _____

_____ who is hereby appointed agent for the lessors to receive the same.

1/32 O. R. R. reserved by lessor. Each well holds 40 acres.
All roads and well locations to be made by mutual consent
Each well drilled earns an additional 6 months to drill another.

It is agreed that the Lessee is to have the privilege of using free, sufficient water and gas from the said premises to run all machinery
necessary for drilling and operating thereon at any time to remove all machinery and fixtures placed on said premises; and further,
upon the payment of one (\$1.00) Dollar at any time, by the party of the second part, or by its successors and assigns it or they shall have
the right to surrender this lease for cancellation, after which all payments and liabilities thereafter to accrue under and by virtue of its terms
shall cease and determine, and this lease becomes absolutely null and void.

Lessors agree that the recordation of a deed of surrender in the proper county, and the mailing in the postoffice of a check, payable as
above provided, for said last mentioned sum and all amounts then due hereunder, shall be a full surrender and termination of this lease.
All provisions of this lease shall be binding upon the heirs, executors, administrators, successors and assigns of the parties hereto.

In Witness Whereof, the parties of this agreement have hereunto set their hands and seals the day and year first, above written.

Witness: See attached sheet

Hale F. Langford (Seal)
Lona B. Langford (Seal)

prepared by
Cynthia L. Brake

_____ (Seal)
_____ (Seal)
_____ (Seal)
_____ (Seal)
_____ (Seal)
_____ (Seal)

04/26/2024

State of W. Va County of Ritchie to-wit:
 I, Cynthia L. Brake
 a Notary Public of said County of Ritchie do certify that
Hals J F Langford and Lona B Langford
 his wife, whose name is signed to the writing above bearing date the 25 day of
April A. D. 1983 ha vc this day acknowledged the same before me
 in my said county.
 Given under my hand this 25 day of April A. D. 1983
Cynthia L. Brake
 Notary Public State of County, W. Va
 My Commission expires Jan. 21, 1990

State of _____ County of _____ to-wit:
 I, _____
 a _____ of said County of _____ do certify that
 _____ and _____
 his wife, whose name _____ signed to the writing above bearing date the _____ day of
 _____ A. D. 19 _____ ha _____ this day acknowledged the same before me
 in my said county.
 Given under my hand this _____ day of _____ A. D. 19 _____

 Notary Public _____ County, _____
 My Commission expires _____

State of _____ County of _____ to-wit:
 I, _____
 a _____ of said County of _____ do certify that
 _____ and _____
 his wife, whose name _____ signed to the writing above bearing date the _____ day of
 _____ A. D. 19 _____ ha _____ this day acknowledged the same before me
 in my said county.
 Given under my hand this _____ day of _____ A. D. 19 _____

 Notary Public _____ County, _____
 My Commission expires _____

STATE OF WEST VIRGINIA,

(Form CC No. 1)

Ritchie County Commission Clerk's Office, April 28th, 1983 at 10:30 o'clock A. M.

The foregoing writing, with the certificate of acknowledgment/thereto, was this day admitted to record in said office.

Teste: Linda B. May, Clerk

My commission expires _____ Notary Public

Gene Stahlwaker
P.O. Box 178
Glensville, WV

Globe Form 25 Rev.
04/26/2024

OIL AND GAS LEASE

FROM _____ TO _____

Date _____ 19 _____
 Term, Ten Year. _____
 Number of Acres _____
 LOCATION _____
 District _____
 County _____
 Received for Record _____ 19 _____
 Recorded _____ 19 _____
 In Book _____ Page _____

Globe Printing & Binding Co., Parkersburg, W. Va.

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IV-35 (Rev 8-81)

NOV 4 - 1983

Date October 25, 1983
Operator's
Well No. S-119-2
Farm Langford
API No. 47-085 - 6583

RECEIVED
NOV 10 1983
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
OIL & GAS DIVISION
DEPT. OF MINES
Department of Mines
Oil and Gas Division

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

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

LOCATION: Elevation: 1190 Watershed Right Fork of White Oak
District: Union County Ritchie Quadrangle Pullman 7.5

COMPANY Gene Stalnaker, Inc.
ADDRESS P.O. Box 178 Glenville, WV
DESIGNATED AGENT Gene Stalnaker
ADDRESS P.O. Box 178 Glenville, WV
SURFACE OWNER Hale F. Langford
ADDRESS Pullman, WV
MINERAL RIGHTS OWNER Hale F. Langford
ADDRESS Pullman, WV
OIL AND GAS INSPECTOR FOR THIS WORK Samuel Hersman
ADDRESS Box 66 Smithville, WV

PERMIT ISSUED July 07, 1983
DRILLING COMMENCED September 10, 1983
DRILLING COMPLETED September 17, 1983

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

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	1345	1345	320 sks.
7			
5 1/2			
4 1/2	5358	5358	600 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2680-5394 feet
Depth of completed well 5358 feet Rotary X / Cable Tools
Water strata depth: Fresh none feet; Salt 2210 feet
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 3503-5307 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 1,550,000 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1600 psig (surface measurement) after 15 ^{Days} ~~hours~~ shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth ^{04/26/2024} 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)

Ritchie 6500

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

Stage 1	28 Shots	4588-5307	1,000,000 Nitrogen	500 Gal. 15% HCL
Stage 2	33 Shots	3926-4568	1,000,000 Nitrogen	500 Gal. 15% HCL
Stage 3	25 Shots	3503-3902	1,000,000 Nitrogen	500 Gal. 15% NCL

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Soil			0	15	
Sandstone & Shale			15	500	
Sandstone & Shale			500	1000	
Sandstone & Shale			1000	1900	
Sandstone & Shale			1900	2008	
Lime			2008	2019	
Siltstone			2019	2084	
Little Lime			2084	2100	
Lime & Shale			2100	2140	
Big Lime			2140	2176	
Maxon			2176	2242	
Big Injun			2242	2322	
Siltstone			2322	2496	
Wier			2496	2555	
Sandy Siltstone			2555	2672	
Berea			2672	2680	
Sandy Siltstone			2680	2868	
Gordon			2868	2913	
Siltstone			2913	2942	
Fifth Sand			2942	3010	
Siltstone			3010	3075	
Elizabeth			3075	3083	
Shale			3083	3550	
Warren			3550	3632	
Shale			3632	3760	
Speechly			3760	3797	
Shale			3797	3988	
Balltown			3988	4020	
Shale			4020	4470	
Riley			4470	4550	
Shale			4550	4654	
First Benson			4654	4670	
Shale			4670	4740	
Second Benson			4740	4750	
Shale			4750	5270	
Alexander			5270	5316	
Shale			5316	5394	

(Attach separate sheets as necessary)

Gene Stalnaker, Inc.
Well Operator
By: Gene Stalnaker President
Date: October 25, 1983 04/26/2024

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 WELLS DIVISION

RECEIVED
SEP 19 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well _____
(KIND)

Permit No. 85-6583

Company Gene Stalnaker
 Address _____
 Farm Hale Langford
 Well No. Langford S-119-2
 District Union County Ritchie
 Drilling commenced 9-10-83
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water None Found feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names C. P. Nichols F. Frame S. Stump

Gene Stalnaker Rig # 4 Tool Pusher Jim Barr

Remarks: Ran 1345 foot of 8 5/8" casing Dowell ran 320 sacks cement with 3% cc Plug down at 8:00 P.M. Good circulation of cement

9-11-83
DATE

Samuel N. R.
04/26/2024
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

DISTRICT WELL INSPECTOR
04/26/2024

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

RECEIVED
JUL 9 - 1985
OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 085-6583 County Ritchie
Company Gene Stalnaker, Inc. District Union
Inspector SAMUEL N. HERSMAN Farm Hale F. Langford
Date November 21, 1983 Well No. S-119-2 Issued 7-7-83

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification prior to starting work	✓	—
25.04	Prepared before drilling to prevent waste	—	—
25.03	High-pressure drilling	—	—
16.01	Required permits at wellsite	—	—
15.03	Adequate fresh water casing	✓	—
15.02	Adequate coal casing	—	—
15.01	Adequate production casing	—	—
15.04	Adequate cement strength	—	—
23.02	Maintained access roads	✓	—
25.01	Necessary equipment to prevent waste	—	—
23.03	Reclaimed drilling site	✓	—
23.04	Reclaimed drilling pits	✓	—
23.05	No surface or underground pollution	✓	—
7.05	Identification markings	✓	—

COMMENTS: _____

I have inspected the above well and have found it to be in compliance with the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia, and the well can be released from the permitted work.

SIGNED: Samuel N. Hersman

DATE: 7-1-85

04/26/2024



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS
1615 Washington Street, East
Charleston, West Virginia 25311
Telephone: 348-3500

July 18, 1985

ARCH A. MOORE, JR.
Governor

Gene Stalnaker, Inc.
P. O. Box 178
Glenville, west Virginia 26351

In Re: Permit No: 47-085-6583
Farm: Hale F. Langford
Well No: S-119-2
District: Imopm
County: Ritchie
Issued: 7-07-83

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. Only the column checked below applies:

The well designated by the above captioned permit number has been released ~~XXXXX~~ under your Blanket Bond.

Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

Your well record was received and reclamation requirements approved. In accordance with Chapter 22B, Article 1, Section 26, the above captioned well will remain under bond coverage for life of the well.

PERMIT CANCELLED - NEVER DRILLED

Very truly yours,

Theodore M. Streit

TMS/ nw

04/26/2024

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 085 - 6583			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5307 feet		NOV 17 1983	
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Gene Stalnaker, Inc. Name		OIL & GAS DIVISION DEPT. OF MINES Seller Code	
	P.O. Box 178 Street			
	Glenville, WV 26351 City		State	Zip Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	n/a			
	Field Name			
	Ritchie County		WV State	
(b) For OCS wells:	Area Name		Block Number	
	Date of Lease:			
	Mo. Day Yr.		OCS Lease Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Langford S-119-2			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Consolidated Gas Supply Name		Buyer Code	
(b) Date of the contract:	Mo. Day Yr.			
(c) Estimated total annual production from the well:	12		Million Cubic Feet	
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]
		(d) Total of (a), (b) and (c)		
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	-----	-----	-----
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	-----	-----	-----
9.0 Person responsible for this application:	Gene Stalnaker Name		President Title	
Agency Use Only	Signature <i>Gene Stalnaker</i>			
Date Received by Juris. Agency	11/15/83 Date Application is Completed		(304) 462-5701 Phone Number	
Date Received by FERC	NOV 17 1983			

RECEIVED

PARTICIPANTS:

DATE: FEB 10 1984

BUYER-SELLER CODE

WELL OPERATOR: Gene Stalaker, Inc.

FIRST PURCHASER: Consolidated Gas Supply

OTHER:

004228

1500' Indics

085-3669-27 TD = 2781

Qualifies

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER
83 1117 - 103-085 = 6583
Use Above File Number on all Communications
Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

APPROVED

- ITEM NO. 1. FERC -121 Items not completed - Line No. MAR 22 1984
- 2. IV-1 Agent Gene Stalaker
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening
- 6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio
- 7. IV-39 Annual Production years
- 8. IV-40 90 day Production Days off line:
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey Logs Geological Charts
Structure Map 1: 4000 Map Well Tabulations
Gas Analyses
- (5) Date commenced: 9-10-83 Date completed 9-17-83 Deepened
- (5) Production Depth: 3503.07
- (5) Production Formation: Devonian Shale
- (5) Final Open Flow: 1550 MCF
- (5) After Frac. R. P. 1600# 15 days
- (6) Other Gas Test:
- (7) Avg. Daily Gas from Annual Production:
- (8) Avg. Daily Gas from 90-day ending w/1-120 days
- (8) Line Pressure: PSIG from Daily Report
- (5) Oil Production: From Completion Report
- 10-17. Does lease inventory indicate enhanced recovery being done NO
- 10-17. Is affidavit signed? Notarized? 04/26/2024
- Does official well record with the Department confirm the submitted information? yes
- Additional information Does computer program confirm?
- Was Determination Objected to By Whom?

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date 11/15, 1983

Operator's Well No. Langford S-119-2

API Well No. 47 - 085 - 6583

State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No.
(If Applicable)

WELL OPERATOR Gene Stalnaker, Inc.

DESIGNATED AGENT Gene Stalnaker

ADDRESS P.O. Box 178
Glenville, WV 26351

ADDRESS P.O. Box 178
Glenville, WV 26351

Purchase Contract No. and Date
(Month, day and year)

Order Chart Code

Name of First Purchaser Consolidated Gas Supply
445 West Main Street
(Street or P. O. Box)
Clarksburg, WV 26301
(City) (State) (Zip Code)

FERC Seller Code FERC Buyer Code

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) 103 Section of NGPA Category Code
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Gene Stalnaker President
Name (Print) Title

Gene Stalnaker
Signature

P.O. Box 178
Street or P. O. Box

Glenville, WV 26351
City State (Zip Code)

(304) 462-5701
Area Code Phone Number

Certificate of Proof of Service to Purchaser)

Part of the above to be completed by the Operator/Applicant)

Part to be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and Purchaser, if known).

The Department of Mines has received a request for certification of the above described well as meeting the requirements of Section 103 under the Natural Gas Policy Act of 1976. or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA).

All interested parties are hereby notified that on the day of , 1983, at office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No.

Initial review of information submitted indicates the well is, is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will proceed to determination.

WEST VIRGINIA DEPARTMENT OF MINES

NOV 17 1983

Director 04/26/2024

Received by
Jurisdictional Agency

By
Title

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

Date 11/15, 1983

Operator's Well No. Langford S-119-2

API Well No. 47 - 085 - 6583
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
:GPA Section 103

DESIGNATED AGENT Gene Stalnaker

ADDRESS P.O. Box 178
Glenville, WV 26351

WELL OPERATOR Gene Stalnaker, Inc.
ADDRESS P.O. Box 178
Glenville, WV 26351

LOCATION: Elevation 1190
Watershed Right Fork of White Oak
Dist. Union County Ritchie Quad. Pullman 7.5

GAS PURCHASER Consolidated Gas Supply
ADDRESS 445 West Main Street
Clarksburg, WV 26301

Gas Purchase Contract No. _____
Meter Chart Code _____
Date of Contract _____

* * * * *

Date surface drilling was begun: 9/10/83

Indicate the bottom hole pressure of the well and explain how this was calculated:

EXPLANATION ATTACHED

AFFIDAVIT

I, Gene Stalnaker, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

Gene Stalnaker

STATE OF WEST VIRGINIA,
COUNTY OF Gilmer, TO WIT:

I, STEVEN B. DUFFIELD, a Notary Public in and for the state and county aforesaid, do certify that GENE STALNAKER, whose name is signed to the writing above, bearing date the 15th day of November, 1983, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 15th day of November, 1983. My term of office expires on the 6th day of August, 1992.

[NOTARIAL SEAL]

Steven B. Duffield
Notary Public

04/26/2024

CALCULATION OF BOTTOM HOLE PRESSURE

$$P_f = P_{we} (XGLS)$$

here:

P_f = shut-in formation pressure (psia)

P_w = pressure at the wellhead (psia)

e = napierian logarithm base (2.71828)

G = specific gravity of gas .70

L = length of casing to mid-point of the perforations (feet)

S = supercompressibility of gas at the mean temperature and pressure (average of wellhead and bottom hole temperature and pressure) .78

$Z = \frac{1}{53.34 T}$ where T = average wellhead and bottom hole temperature ($^{\circ}R$) $95 + ^{\circ}R$

Langford S-119-2

$$P_f = 1600 e^{(.00003378 \times .70 \times 4403.5 \times .78)}$$

$$P_f = 1600 e^{(.0812)}$$

$$P_f = 1600 (1.084)$$

$$P_f = 1735\#$$

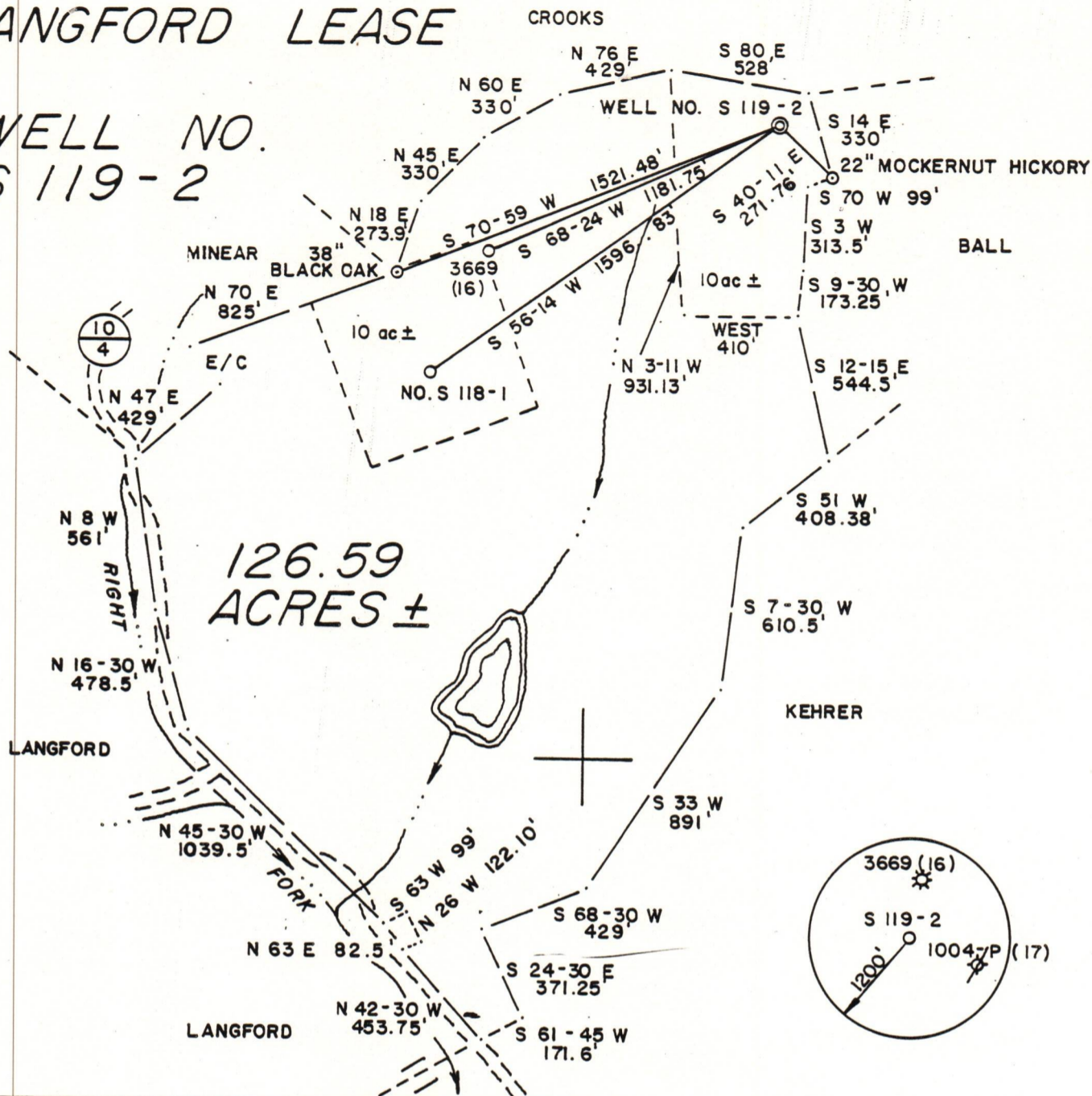
6830'

LATITUDE 39° 15' 00"

LONGITUDE 80° 52' 30"

LANGFORD LEASE

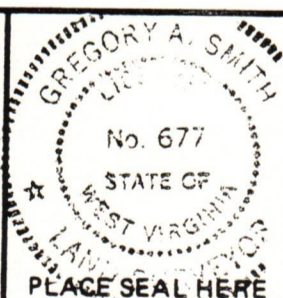
WELL NO. S 119-2



NORTH

FILE NO. 10-75
 DRAWING NO. _____
 SCALE 1" = 600'
 MINIMUM DEGREE OF ACCURACY 1 / 200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB
ELEV. 1191'

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) Gregory A. Smith
 R.P.E. _____ L.L.S. 677



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

FORM IV-6 (8-78)



DATE JUNE 6, 19 83
 OPERATOR'S WELL NO. S 119-2
 API WELL NO. _____
47 - 085 - 6583
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1190' WATER SHED RIGHT FORK OF WHITE OAK CREEK
 DISTRICT UNION COUNTY RITCHIE
 QUADRANGLE PULLMAN 7.5'

04/26/2024

SURFACE OWNER HALE F. LANGFORD ACREAGE 126.59
 OIL & GAS ROYALTY OWNER HALE F. LANGFORD LEASE ACREAGE 10 OF 126.59
 LEASE NO. _____

PROPOSED WORK: DRILL X 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 ESTIMATED DEPTH 5300'
 WELL OPERATOR GENE STALNAKER, INC. DESIGNATED AGENT GENE STALNAKER
 ADDRESS P.O. BOX 178 ADDRESS P.O. BOX 178