

1)	Date:_	October	22	, 19	23
	Operate		"700		

2) Operator's Well No.	HALL	#709	
2) ADI Well No	47	027	3720

DRILLING CON	TRACTOR	:				STANI SEMPER LIN	and the same of th	3) AF	State		Permi
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	B (If	'Gas'', Pr	oduction	X		/ Undergroun	d storage		_/ Deep		_/)
5) LOCATION	: Eleva	tion:	949.7			Watershed:	Rush	Creek			
6) WELLOPE	Distr	ict:	Smith	llin	d c P	County:	Roane	a lingua s	Quadrangle:	7.5' Looneyv	للن
Address	360	Madiso	on Ave.	io F	ifth F	loor	III) - DE	SIGNATED	AGENT Harry 710 Virgini	L. Berger, Jr	
	New	York,	New Yo	ork	10017	7 mil yaz risat.	and and		Charleston,		
7) OIL & GAS									betraple 1	lask a last 4 12 c	
ROYALTY (Address	OWNER _	Charle	n St.	iall	, et a	recommend 47			TOR UNOPERA	TED	
Address			wood,					Address	with the feet deals	Gastalžiges 2	
Acreage		251					13) CO	AL OWNE	R(S) WITH DECLAR	ATION ON RECOR	D:
8) SURFACE C				April 19 Control of Control	~				UNKNOWN	- Trion on Record	
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Acreage		251			100	HE STATE	BEL	ne		demogration (8	
9) FIELD SALI					64	-		Address	os su gritisio, 10:	ारा अवस् अवस्	
	na <u>Louise</u>		collaico	asp d	id reals	sa segistanti	eg pinik	Address	and the same and	MO Local Coll	
	-					06	(94) 2 CO	AL LESSEE	WITH DECLARAT	ION ON RECORD:	
0) OIL & GAS					0		OC.	ne			25 10 1
Name Hon					DED	E CAS		Address	ture or stimulate		
Address	Lind	evvill	e W V	21	5250	· DF	ISION	d at a ore	Land Electric and the Architecture	renderation	
5) PROPOSED	WORK:	Drill	X /	Drill	deeper	/ Red	NA	/ France	ture or stimulate	C-Maranage	
		Plug off	old form	ation		/ Perforate	new for	mation		ston wint wat	
		Other ph	ysical char	nge in	well (spec	cify)					
6) GEOLOGICA	AL TARGE	T FORMA	ATION, _	BROV	VN SHA	LE				serges need to the	
17) Estimate	d depth of c	ompleted	well,	4950) 1 1 3 6	fee	t go Washin		duenest Busiling of		
19) Approxim	mate coal se	am denths	. Fresh	, –	0	feet;	salt,	-1111	feet. area? Yes	elevation	
0) CASING AN	D TURING	PROGR	ANA								
CASING OR				Jank.	25 12 12 1			undien bu	s ingusoro sales:	September (05	
TUBING TYPE	Size		Weight		1	F0017	AGE INTER	VALS	CEMENT FILL-UP OR SACKS	PACKERS	
Conductor	Size	Grade	per ft.	New	Used	For drilling	1	eft in well	(Cubic feet)	to elect Tip	_
Fresh water	9 5/8	LS	33#	X		400'	40	0.1	- 6 5	Kinds	
Coal						400	40		To Surface	Sizes	_
Intermediate	7"	J-55	20#	X		2200'	220	201	100 sks		
Production	4 1/2	ERW	10.5#	X		Const done 5	49		250 sks	Depths set	
Tubing Liners							- 45	01-11-20	La volto altra		
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Check and pro							0.26		SHOULD BE THE BEST	harmer France	
The rea	d is the leas	f Code 22.	or other $4-1-(c)$ (1)	contin	uing cont	ract or contract See reverse side	s by which	I hold the	right to extract oil or	gas.	
ROYALTY PI	ROVISION	S S	4-1-(c) (1)	tinou	Ign (4). (see reverse side	for specifi	cs.)	arao ima yizuo.		
Is the right to e	extract, proc	duce or ma	rket the o	il or ga	as based u	pon a lease or ot	her contin	uing contrac	t or contracts providin	g for flat well royalty	or any
produced or m	on for com	pensanon	to the ow	ner of	the oil o	r gas in place w	hich is no	t inherently	related to the volume	of oil or gas so extr	acted
the answer above	is No, not	hing addit	ional is no	eded.	If the ans	swer is Yes, you	may use	Affidavit Fo	rm IV-60		
) Required Copi	es (See reve	erse side.)									
named coal or	Permit Apperator, coa	plication a l owner(s)	and coal	lessee	plat and	reclamation plan	have bee	n mailed by	registered mail or del	ivered by hand to the	abov
Mines at Char	leston, Wes	t Virginia	. /	iessee	on or be	fore the day or	the mainn	g or delivery	of this Permit Applie	cation to the Departm	ent o
Notary: Way	vy M/	. Still	espie	Svel	Aspert 14 3 1	a care Three ta	Signed	the	und.	Riall L	-
My Commission	Expires Ma	ay 10,	1989	01/20	hunge	den mag	Its:	/	nated Agent		
						ELOP WATER		-3.9	ayeu Agent	an in the state of	
					COMMAND ON THE PROPERTY OF THE	FFICE USE					
ermit number	47-087	-3720			וע	RILLING PE	KMIT		Decen	nber 8,	82
	How William	asbert la	coantin	X		pare 1		VP-18-12-13	Date	12/08/202	3
and chieffed subject	the condi	mons com	amed here	an and	on the r	everse nereof.	Votification	n muct be of	to drill in accordance ven to the District Oil the well operator or h		

proper district oil and	gas inspector 24	on of roads, lo hours before	ocations and pits actual permitted	for any permitted work has com	ed work. In menced.)	addition, the we	ell operator or	his contractor sh	all notify the
	ugust 8, 1	983		unless dri	illing is comm	nenced prior to	that determin	prosecuted with	diliganas
Bond:	Agent: OK	Plat:	Casing	Fee		-		The state of the s	rue unigence.
Blanket	11	111.3	EIII	3695		Administrat	tor, 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 then 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
 - 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).
 - 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.
 - 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.

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amined this proposed well location. If	/ owner	/ lessee which covers the ar	of the coal under this well location has executed to be done at this location, provided, the well
operator has complied with all applic	able requirements o	f the West Virgini	a Code and the governing regulations.
operator has complied with all applic	able requirements o	f the West Virgini	a Code and the governing regulations.

Its

FILE COPY



1)	Date:_	November	15	, 19 83
-/				7

2) Operator's 709 - Ren.

3) API Well No. 47 - 087 - 3720-Ren
State County Permit

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION FORMERLY 47 - 087 - 3720

					<u>A</u>	PPLICA	TION FOR A WI	ELL WORK PERMIT		
4)	WELL TY	PE: A O	ilaw co	/ G:	as X	TO	NS OF ANY	NID CONDITIC	DIFFICATIONS	PERMIT MO
,										_/ ShallowX/)
5)	LOCATIO							Rush Creek		
										7.5' Looneyville
6)	WELL OP	ERATOR_	Ster1	ing Dr	illi	ng &	Prod. Co.,	Inc DESIGNATE	DAGENT Harry	L. Berger, Jr.
	Address	_36	0 Madi	son Av	e. F	ifth	Floor	Address	710 Virgir	nia St., E.
				, New		100	17		Charlestor	n, W.V. 25301
8)	OIL & GA							9) DRILLING C		
	Name			•				NameUN	KNOWN AT THIS	STIME
	Address			Rt. Box				Address		PLECIEII/NIEI
		_Lo	oneyvi	lle, W						W G G G G G
10)	PROPOSE	D WELL V	WORK:					/ Redrill		1 1000
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										OIL & GAS DIVISION
11)										OIL & GAS DIVISION
							fe	et alt,	Cont [DEPT. OF MINE
									e area? Yes	
15)	CASING A					U	IS (coar being mined in th	e area? Tes	/ NoX/
	SING OR	II		CIFICATION			FOOTAG	E INTERVALS	1 CEMENT FILL-UP	PACKERS
	BING TYPE	Si		Weight	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	IACREAS
Con	ductor	Size	Grade	per ft.	New	Used	For drining	Left in weil	(Cubic feet)	Kinds
	h water	0 5/0	1.0	22//	V		4001	4001	T- C	by rule 15.05
Coal		9 5/8	LS	33#	X		400'	400'	To Surface	Sizes 9 1 MA 13-03
3,4/8	mediate	7"	J-55	20#	X		2200'	2200'	100 sks	
- 10	luction	4 1/2		10.5#	X		2200	4950'	250 sks	Bepths sells reg
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							DRILLING P	ERMIT		Welf work started
Perr	nit number_	47	-087-	3720-R	en			4.	D	ecember 1, 1983
									Dat	Congletion of the diffi
										ice with the pertinent legal re-
										l and Gas Inspector, (Refer to stractor shall notify the proper
							work has commen		ven operator of his con	tractor shall notify the proper
The	permitted we	ork is as de	scribed in	the Notic	e and A	pplication	on, plat, and recla	mation plan, subject	to any modifications a	nd conditions specified on the
	rse hereof.						, p,			
Perr	nit expires _		Decem	ber 1,	1985)	unless w	ell work is commenced	d prior to that date and	prosecuted with due diligence.
_										OTHER INSPECTIONS
В	ond:	Agent	1	Plat:	Casir	ng	Fee			
NK	FT PA	un /	nh	2/1	m	11	-60-5			Reason
41	LI DUI	VU L	10/11	141	///	11 15	841		00-	
								/		Reagnine

NOTE: Keep one copy of this permit posted at the drilling location.

File

Administrator, Office of Oil and Gas

FORM IV-2(B) FILE COPY Reverse Permit



		OFFI	CE USE ONLY		E/181			
PERMIT MOI	DIFICATIONS	S AND CONDIT	TIONS (IF ANY	то тн	E PROI	POSED	WELL W	ORKT NEW
Shallow \	/ Deep		/ Underground st					OKK
		2040 100	Watershed;				Elevation	LOCATION:
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	TRACTOR:	DRILLING COL	9		OTHERD	TO BE NO	SPECTOR	OIL & GAS IN
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AND THE VUN			well (specify)					
OL & GAS DIVISI							TARGET	GEOLOGICAL
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DEPT. OF MIN	feet							(3) Approxima
/ No		being mined in the a						ApproximaApproxima
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	OR SACKS	Left in well			1 Mg	Wel Wel		ING TYPE
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Sizes								water
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Depths self		Loan V						clion
Du mar enter		OFFIC	CE USE ONLY					2
Perforations:								
nis part of Form IV-2(b)	is to record th	e dates of certai	n occurrences a	nd any fo	llow up	inchecti	one	
ns part of Form 14-2(0)	is to record th	ic dates of certain	in occurrences a	iiu aiiy 10	now-up	mspecti	olis.	
		Date					D	ate(s)
		Date				_	<u>D</u>	ate(s)
pplication received			Follow-uj	inchactic	n(a)			
ppineation received		NLY	PEICE USE O	mspecific	011(8)			
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en work started								
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ell Record received	operator or his co	In addition, the well	aktion balling,	a voltable i,		ol etimerrie		
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eclamation completed	any modifications	ion plan, subject to	plat, and reclamat	* pplication	otice and	ed in the N	s as describe	ermitted work l
Julianian completed								1001311-36
	rior to that date an	vork is commenced p	unless well w	1	and the second	-0.000.00		it expires
THER INSPECTIONS				STREET, STREET				
THER INSPECTIONS			Fee	gni	Cas	Plat;	Agent	thn:
			Fee	gni	Cas	Plat;	Agent	nd;

NOTE: Keep one copy of this permit posted at the drilling location.

necessary for comments.



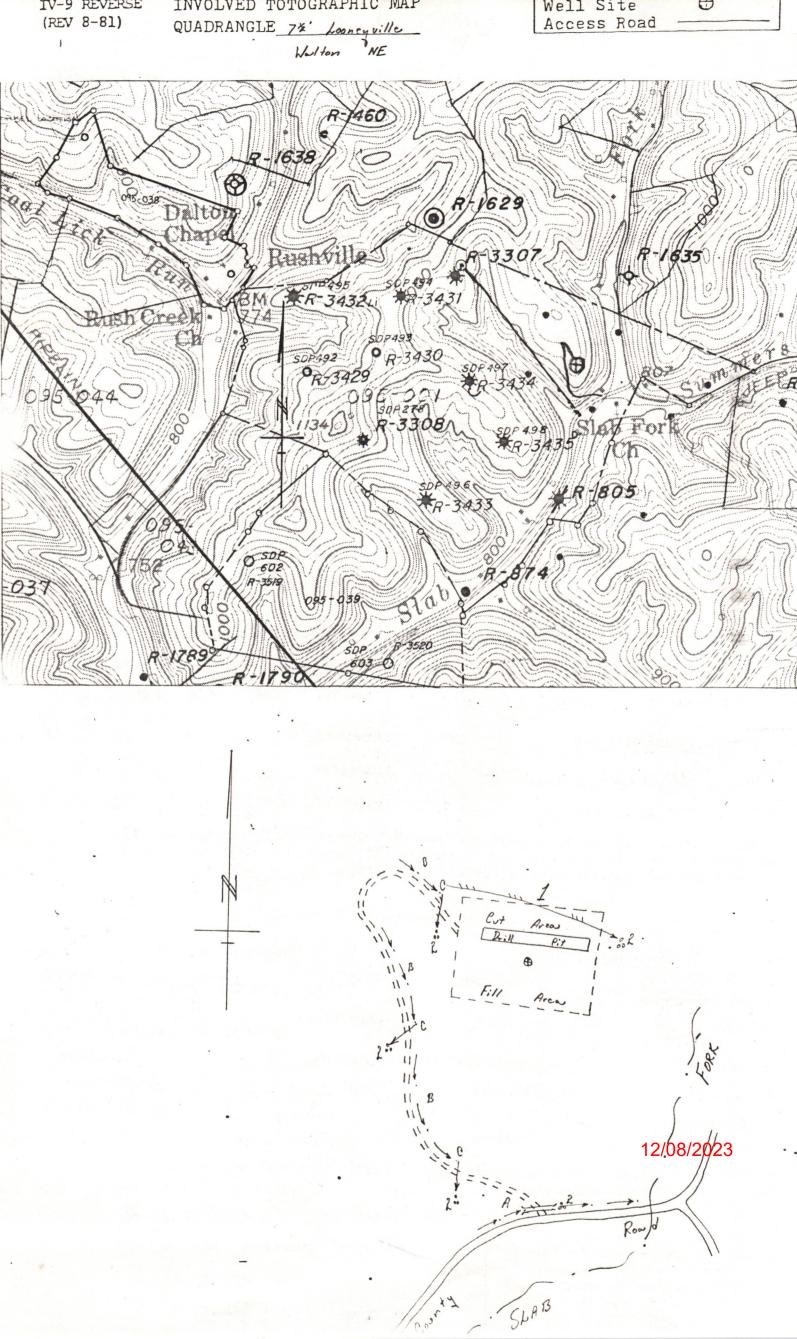
DATE

WEIL NO. Brown Farvis 709 3720. Ren. API NO. 47 -087 -

State of Mest Birginia Bepartment of Mines Gil und Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

XPANY NAME Sterling Drilling & Prod	. Co WELL OPERATOR Sterling Drilling & Proc
Address 360 Madison Ave NY, NY	10017 Address c/o H.L. Berger - Chars., WY
Telephone (212) 949-9100	Telephone (304) 342-0121
ANDOWNER BOWN Jarres	SOIL CONS. DISTRICT Little Kenawha
Revegetation to be carried out by Ste	rling Drilling & Prod. CoH.L. Bergesent)
This plan has been reviewed by L , f additions become a part of this plan:	He Kanawha SD. All corrections
ACCESS ROAD	LOCATION
cructure Colvert (2	Structure Diversion Ditch (1)
pacing 12" casing	Material Earthen -
age Ref. Manual 2-8	Page Ref. Manual 2-12
ructure Drainage Ditches (1	Structure Rip-Rap (2)
pacing Roadside	Material Rock
age Ref. Manual 2-12	Page Ref. Manual N/A 2.9
tructure Cross Ditches (6	Structure (3)
pacing 80' f 10% grade DEFT	. OF Material
age Ref. Manual 2-4	Page Ref. Manual
to 12 had inspected m	egularly and repaired if necessary. All cked and all brush and small timber to be irt work begins.
REVI	CETATION
Treatment Area I	Treatment Area II
or correct to pH 6.5 ertilizer 600 lbs/acre (10-20-20 or equivalent)	Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent)
olch Hay 2 Tons/acre	Mulch Hay 2 Tons/acre
25 lbs/acre	Seed* 1, 31 25 lbs/acre
Orchardgrass 15 lbs/acre	Orchardgrass 15 lbs/acre
	12/08/2023
*Inoculate all legumes such as vetch, inoculate with 3% recommended amount.	trefoil and clovers with the proper bacterium. Moore's Well Services, Inc.
	PLAN PREFARED BY Richard St. Compbell
NOTES: Please request landowners'	ADDRESS Route 1 Box 30
cooperation to protect new seedling for one growing season.	Duck, WV 25063
Attach separate sheets as	PHONE NO. (304) 364-5780



FORM IV-2(A) 1) Date: November 15 Obverse 2) Operator's [8-83] Well No. 709 - Ren. 3) API Well No. 47-087-3720-Ren State County Permit STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OFFICE OF OIL & GAS Formerly 47 - 087 - 3720 NOTICE OF APPLICATION FOR A WELL WORK PERMIT 4) SURFACE OWNER(S) OF RECORD TO BE SERVED 5(i) COAL OPERATOR UNOPERATED (i) Name Address Brown Jarvis Address Spencer, W.V. 25276 5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD: 709 (ii) Name 522 051 968 UNKNOWN Address Idress (iii) Name Address NO. FOR HATERINAL MAN dress (See Reverse) LESSEE WITH DECLARATION ON RECORD: BROWN JARVIS Street and No. dress P.O., State and ZIP Code TO THE PERSON(S) NAME SPENCER, W.W. 25276 n and the following documents: (1) The Applicat Postage \$ (or Form IV-4 if the well is to be plugge he drilling or other work, and describe ble, the proposed casing and Certified Fee cementing pr (2) The plat (su Form IV-6; and (3) The Construc Special Delivery Fee ess the well work is only to plug a well) ediment control and for reclamation. Restricted Delivery Fee THE REASON YOU I GHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED Return Receipt Showing F THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM to whom and Date Delivered OT REQUIRED TO TAKE ANY ACTION AT ALL. Return Receipt Showing to whom, Take notice that Date, and Address of Delivery , the undersigned well operator proposes to f: and accompanying documents for a Well Work Perm TOTAL Postage and Fees)il and Gas, West Virginia Department of Mines, Department of Mines, and depicted on attack ribed on attached Application Postmark or Date Application, the plat, and the Construction and Rec. or certified mail or delivered by hand to the perso before the day of ma m un circumstances) on or 6) EXTRACTION RIGHTS Check and provide Included is the a ict or contracts by w I hold the right to extract our or yas. The requirement of Code 22-4-1-(c)(1) through (4). (See reverse side for speci 7) ROYALTY PROVISIONS Is the right to extract, produce or market the oil or gas based upon a lease or leases or other 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 X OI NOV 17 1983 OIL & GAS DIVISION If the answer above is No, nothing additional is needed. If the answer in PEPT. OF MINES you may use Affidavit Form IV-60. See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and The truth of the information on the WET.I. Notice and Application is verified OPERATOR /Sterling Drilling & Prod. Co., Inc. and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by Its Designated Agent Address 710 Virginia St., E. Harry L. Berger, Jr. this 15 day of November Charleston, W.V. 25301 My commission expires May 10, 1989. Telephone 342 - 0121 Notary Public, Kanawha 12/08/2023 State of West Virginia

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
 - 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-lb(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
 - 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
 - 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
 - 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-lk and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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-lk(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

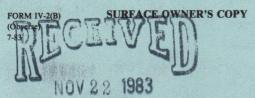
Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-lm, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that-

- the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

OF MINES	Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
	Charles H. Hall 901 Ann St.	Sterling Drilling and Production Co., Inc.	1/8	148/575
	Ravenswood, W.V. 26264			





1) Date:	mer	19	, 19
2) Operator's Well No.	70	Ren.	
3) API Well No.	47		
5, 111 1 1101	State	Count	y Dormit

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION FORMAR 1 47

D		SAS DIV		:S,		PLICAT	TION FOR A WELI	WORK PERMIT		
4)	WELL TYP	E: A OI	"Gae" E	/ Ga	X		/ Underground st	orage	/ Deep	/ Shallow/)
5)	LOCATION			949.71				lush Crebk		
	District: County: Roane Quadrangle: 7.5 Looney/1116									
6)	WELL OPE	RATOR_	Sterli	na Dri	1111	o S P	Prod. Co., Ir	7) DESIGNATEI	AGENT	. Berger. Jr.
	Address	360	Madis	on Ave	. Fi	fth f	loor -	Address	716 Virgini	2 St., E.
		Nov	York.	tiny 1	ork	1001			tharleston,	N.Y. 65391
8)	8) OIL & GAS INSPECTOR TO BE NOTIFIED Name 9) DRILLING CONTRACTOR: Name									
	Name	Home		lougher					NEUSER AL TELL	TAVE
	Address	The second second	AND RESIDENCE OF THE PARTY OF T	Rey	1.5 m	EOCO		Address		
			neyvil	HE LOS	, ,			/ D-4-111	/ Stimulate	,
10)	PROPOSEI	WELL V	VORK:	Drill			deeper		/ Stimulate	
							n well (specify)			
		TAR TAR	CET FOR							
11)	GEOLOGIC	AL TAK	f complete	MATION,		1050	feet	and subject		
	12) Estimat						feet; salt,		feet.	
	14) Approx	imate coal	seam den	ths:		0			e area? Yes	/ No/
15)	CASING A	ND TUBI	NG PROC	GRAM						
	SING OR			IFICATIONS	1		FOOTAGE II	NTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
	BING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Conc	luctor						A CONTRACTOR			Kinds
	water	9 5/8	1.5	33#	X		4001	4001	To Surface	
Coal									1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sizes
Inter	mediate	72.00	3255	20#	X		22001	22001	100 sks 250 sks	Double set
Prod	luction	4 1/2	ERW	0.5#	X			aypu	630 583	Depths set
Tubi	ng									Perforations:
Line	rs								The state of the s	Top Bottom
_										

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)	(For execution by natural persons)	
NAME:	Braun Jamis (Signature)	Date:
Ву	(Signature)	Date:
ItsDate	(Signature)	

INSTRUCTIONS TO SURFACE OWNERS AND **EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT** ON OIL AND GAS WELL WORK PERMIT

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, 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, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas West Virginia Department of Mines 1615 Washington Street East Charleston, West Virginia 25311 (304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments as provided in Methods for Filing Comments below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Adminisatrator's office or an Oil and Gas Inspector to obtain a copy of the list.

STERLING DRILLING AND PRODUCTION CO., INC.

ARCADE BUILDING

710 VIRGINIA STREET EAST CHARLESTON, WEST VIRGINIA 25301

(304) 342-0121

State of West Virginia Department of Mines Office of Oil and Gas

Charleston, W.V. 25311 Date <u>OCTOBER 19,1982</u>
SUBJECT: Oil and Gas Well Permit Application
REFERENCE: Extraction Rights
COMPLIANCE: Code 22-4-1-(C)
Sterling Drilling and Production Co., Inc. Well Number 709
Lease Number 095-001 Acreage 251
Sterling Drilling and Production Co., Inc. Well Number 709 Lease Number 095-001 Acreage 251 Lease Date 12/16/78 Recording Date 3/15/79 Recorded in Book 148 at Page 575 LESSOR INDEX ON REVERSE SIDE
Recorded in Book 148 at Page 575
LESSOR INDEX ON REVERSE SIDE
LOCATION: SMITHFIELD District of ROANS County 1982
WATERSHED: RUSH CREEK
Recorded in Book 148 at Page 575 LESSOR INDEX ON REVERSE SIDE LOCATION: SMITHFIELD District of ROANE County WATERSHED: RUSH CREEK QUADRANGLE: 7.5' LOONEY VILLE
AFFIDAVIT
I, HARRY L. BERGER. JR., an authorized representative of Sterling Drilling and Production Co., Inc., hereby certify that the above information is true and that the owner or owners of the minerals underlying the above described tract will receive minimum one eighth (1/8) royalty payments from any producing oil and / or gas well drilled thereon under this contract.
Signed: Harry J. Blight
Notary: David M.

LESSOR INDEX

MARIAN T. AND RAY WESLEY	
MARY A. H. AND JAMES MAR	(1) 1/0
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IV-35 (Rev 8-81)

OIL & GAS DIVISION

DEPT. of MINEState of Mest Hirginia

Pepartment of Mines Gil und Gas Bivision

Date	No	v 9,	198	4	
Operato			347.3		
Well No		709			
Farm	Hal	1			
APT NO	47	- 0	87	- 3720	

WEIL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 949.75 Watershed	Rush	Creek		100	
District: Smithfield County Ro	oane		Quadrangle	e 7½' Loor	nyville
Sil Of authoritanic A					
COMPANY Sterling Drilling & Production Co Ir	nc.				
ADDRESS 710 Virginia St., E, Charleston, WV		Casing	Used in	Left	Cement
DESIGNATED AGENT Harry L. Berger, Jr. 25301	1507	Tubing	Drilling		fill up Cu. ft
ADDRESS 710 Va. St., E. Charleston, WV 25301	1	Size	DITTI	Z. Nezz	1 00. 20
SURFACE OWNER Brown Jarvis		20-16			1.1548
ADDRESS Spencer, WV 25276		Cond.			
MINERAL RIGHIS OWNER Charles H. Hall, etal	1	13-10"	1		200
ADDRESS 901 Ann St., Ravenswood, WV 26264		9 5/8	419'	419'	200 sks
OIL AND GAS INSPECTOR FOR THIS WORK Homer H	100	8 5/8	02071	00071	125
Daugherty ADDRESS Linden Rt., Box 3-A Looneyville, WV 25259		7	2327'	2327'	175 sks
PERMIT ISSUED December 1, 1983	4. 4	5 1/2		17041	
DRILLING COMMENCED September 10, 1984		4 1/2		4796'	250 sks
DRILLING COMPLETED September 16, 1984		3	-		-
IF APPLICABLE: PLUGGING OF DRY HOLE ON		2			
CONFINUOUS PROGRESSION FROM DRILLING OR		Liners			
REWORKING. VERBAL PERMISSION OBTAINED ON		used			
GEOLOGICAL TARGET FORMATION Devonian S	hale		Dep	t h 4950'	fe
		otar v v	/ Cable		
		Salt 164			
Coal seam depths: NONE	,		being min		area?
	_	15 0001	Edig na.		
OPEN FLOW DATA					
Producing formation Devonian Shal			zone dep		
Gas: Initial open flow show Mcf/		19 St 75 5	itial open		Bbl
Final open flow 375 Mcf/	ď	Fir	nal open f	low	Bbl
Time of open flow between i	nitia	al and fi	inal tests	21 hc	ours
Static rock pressure 1010 psig (sur	face	measure	ment) after	r 912/08/	12923 nut
(If applicable due to multiple complet	ion	-)			
Second producing formation		Pay	zone dep	th	fe
Gas: Initial open flow Mcf/	'd (Dil: Ini	itial open	flow	Bbl
Final open flow Mcf/	'a (Dil: Fir	nal open f	low	Bbl
Time of open flow between i	nitia	al and fi	inal tests	ho	ours

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

Perforations:

1st Stage:

29 holes from 3893' to 4640' 26 holes from 3010' to 3788'

2nd Stage:

Treatment:

1st Stage:

1250 gals. of 15% HCl; 1736 MSCF of N_2

2nd Stage:

1250 gals. of 15% HCl; 1584 MSCF of N_2

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all free and salt water, coal, oil and ga
			All measurements from 10' KB
Sandstone and Shale	0	322	Fresh water @ 78'
Sandstone	322	392	riesh water & 70
Sandstone and Shale	392	891	
Sandstone	891	1020	
Shale	1020	1091	
Sandstone	1091	1155	
Sandstone and Shale	1155	1630	
Salt Sand	1630	1714	Salt water @ 1645'
Shale	1714	1724	Sait water @ 1645
Salt Sand	1714	And the second s	
Shale	1777	1777 1787	jeliku pasti njeli pravateljati i i kaja sepak 🔭
Salt Sand	1787		
Little Lime	1897	1897	
Pencil Cave	1908	1908	
		1914	
Big Lime	1914	2043	
Big Injun	2043	2087	
Siltstone and Shale	2087	2456	
Sunbury Shale	2456	2472	
Siltstone and Shale	2472	2915	
Shale	2915	4838	Gas shos 3010' - 3788'
	477		3893' - 4640'
			TD 4838
700			
4.000	10.8 (6.1)	The state of the s	
·			
	State Line		
		1	

(Attach separate sheets as necessary)

Sterling Drilling and Production Co., Inc. Well Operator 12/08/2023	
Well Operator 12/08/2023	
By: Ham & Degen	
Date: Nov 9, 1984	

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 wal, encountered in the drilling of a well."

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES





INSPECTOR'S WELL REPORT. OF MINES

Permit No. <u>087-3</u>	720-Ren,				Oil or	Gas Well	
Company Steples	ing Drilling	+ Brown	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PAC	CKERS
Address Charles	ton, Will	7	Size			Kind of Pa	acker
Well No. 709	Nam		13		419	Size of	
District Smithfie Drilling commenced	<u>ld</u>	nl	8½ 6½			Depth set	
Drilling completed	Total depth		5 3/16			Perf. top_	
Date shot		Inch	Liners Used				om
Open flow after tubing	/10ths Merc. in	Inch			5/ //	Perf. botto	
Volume	lbs		CASING CEME			I No. FT.	1/11/8 Bate
Oil	bbls., 1:	st 24 hrs.	COAL WAS EN	NCOUNTERE	D AT	_FEET	INCHES
Fresh water	feet	feet	FEET	INC	CHES	FEET	INCHES
Salt water	feet	feet	FEET	INO	CHES	FEET	INCHES
Drillers' Names Cha	les Starchy	Right	H0	Pusher	John I	W.Cro.	key
11/84 Ran 1 200 sacks	Vell Services Moved on Right 19 ft of Neat of deep d	ged en 3760	p + starte enface p	id drill	ing of Id cem oule, Pl	2:15 F ented lug dor	with in 1:30AN
1/2/84 /300 9/12/84		llein	ig on fl	0 1	nes H,		

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Liner Location Amount PLUGS USED AND DEPTH PLACED CEMENT-THICKNESS WOOD-SIZE LEAD CO Drillers' Names				
Filling Material Used Liner Location Amount PLUGS USED AND DEPTH PLACED CEMENT-THICKNESS WOOD-SIZE LEAD CO	7777	OUNTY		and the second second
Liner Location Amount PLUGS USED AND DEPTH PLACED CEMENT-THICKNESS WOOD-SIZE LEAD CO Drillers' Names	20 J. H. Har 27 TV	1 60	707) เข้าสมเด็ก
PLUGS USED AND DEPTH PLACED CEMENT-THICKNESS WOOD-SIZE LEAD CO Drillers' Names	Packer	Lo	cation	77
CEMENT-THICKNESS WOOD-SIZE LEAD CO			77777	DINC
Drillers' Names			G AND TU	
Drillers' Names	STRUCTION-LOCATION	RECOVERED	SIZE	LOST
Drillers' Names	1 BARRELL I	eld ou	with le	
Drillers' Names		4/1/1/		
Drillers' Names				ates graff
IROPO PROPERTY TRANS	10 10 10 10 10 10 10 10 10 10 10 10 10 1	M. E. Company and Company		mos ggii
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IROPO PROPERTY TRANS	in all tall paids			
BURNELL TRANS PROPERTY TRANS				
Remarks:		- Timely		
Remarks:		- 1941		31,300
	CHIER PORT			
				· AA
I hereby certify I visited the above well on t	is date.			

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. <u>087-37</u> 20-	Ren.			Oil or (Gas Well
Company Sterling D	illing & Brod.	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address Charleston	2011	Size	b		
Farm Charles	Hall	16			Kind of Packer
Well No. 709	19. 19. 19. 19. /44/2	13	621, 1		Size of
0:41.00	County Roans	81/4			Size oi
Drilling commenced 9//0	1/84	6 7		2327	Depth set
Orilling completed	Total depth	5 3/16			
Date shotDep		3			Perf. top
Initial open flow/		Liners Used			Perf. top
Open flow after tubing/					Perf. bottom
and remarks again, the second of the second of	Cu. Ft.	CASING CEME	NTED 7"	SIZE232	ZNo. FT 9/14/85/16
Cock pressurelbs		NAME OF SER		0/	Miburton
Dil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTEREL) AT	FEETINCHES
Fresh waterfee	tfeet	FEET_	INC	HES	FEETINCHES
Salt waterfee					FEETINCHES
Drillers' Names Charles Moores Wells Remarks: 9/14/84 Comented with Plug down 2	Starches	A	Pushes	John:	McCroskey
Moores Wells	Esvices Rig #	2	(0
Remarks: 9/14/84	Ran 023	27 H of	7" Co	sing	and
Comented with	175 socks	of nea	1 3%	CCO t	12/6 of flow
Plug down 2.	:30 P.M. be	y Hallil	burton		UV
0	d	Karta del Bons (1956)			
9/14/84			2/0	nes Hi	Sommonty

Form 26 2/16/82

DEPT. OF MINES

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

OMPANY	10,7		ADDRES	SS	01-0-1	3 - 1/4	alf hag
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filling Material Used						1	
iner Loc	cation	Amou	ınt	Packer	Loc	cation	
	ND DEPTH PLACED	Amo		RIDGES		G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD		CTION-LOCATION	RECOVERED	SIZE	LOST
CLIVERY						74	
			7	12/19/21/1 400	n 03 3 3 3 4	17714	
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	TA CHARGO	MANZA Z	49				
	The second of the second						
Orillers' Names	HTM		24.				
					Sec. 1		
Remarks:			erani nga manana (ngang				
			100				
DATE	I hereby certify I vis	ited the above	well on this date	e.			

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION FINAL INSPECTION REQUEST

INSPECTOR'S COMPLIANCE REPORT



OIL & GAS DIVISION
DEPT. OF MINES

Permit No.	. 087–3720	County Roane	
	terling Drilling & Prod. Co.	District Smithfie	1.4
Company_5			
Inspector	HOMER DOUGHERTY	Farm Charles H. Ha	ll, et al
Date Sep	tember 27, 1983	Well No. 709	Issued12-8-82
RULE	DESCRIPTION		IN COMPLIANCE Yes No
23.06	Notification prior to sta	ring work	
25.04	Prepared before drilling	Copreve to waste	
25.03	High-pressure drilling	12-8-82	
16.01	Required permits at well	12 ~ ~ ~	
15.03	Adequate fresh water cas		
15.02	Adequate coal casing	Was Canalled 9-30-83	
15.01	Adequate production cas	ous analled	
15.04	Adequate cement strengt	9-30-83 12-1-83-Ren	
23.02	Maintained access road	12 100 0	
25.01	Necessary equipment to	100 S-Ren	
23.03	Reclaimed drilling sit	welled	
23.04	Reclaimed drilling pits		
23.05	No surface or underground	pollution	
7.05	Identification markings		
COMMENTS:_	Release on Cancellation if loca	ation is ok -	
	Permit has expired		

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.

DATE: 9/38/83 12/08/2023



Scate of West Virginia

Department of Mines Oil and Gas Bivision Charleston 25305

WALTER N. MILLER DIRECTOR

Sterling Drilling & Production Co.

October 19, 1983

THEODORE M. STRE ADMINISTRATOR

710 Virginia Street, East - Arcade Bldg.
Charleston, W. Va. 25301

In Re: PERMIT NO: 47-087-3720

FARM: Charles H. Hall, et al

WELL NO: 709

DISTRICT: Smithfield

COLDUMN Poppe

COUNTY Roane (12/82

Gentlemen:

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

XXXXXX The well designated by the above permit number has been released under your Blanket Bond. (Permit Cancelled - Never Drilled.)

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 22, Article 4, Section 2, the above captioned well will remain under bond coverage for life of the well.

Very truly yours,

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

12-1-83-Am

INSPECTOR'S PERMIT SUMMARY FORM

ELEVATION	OPERATOR TELEPHONE	Sterling Di	elling
DISTRICT Amitheild	TELEDHONE		//
	TELEPHONE		<i>U</i>
QUADRANGLE Gooneyille	FARM C	hacles Hal	
COUNTY Boane	WELL #_	709 Ren.	
0	•		
SURFACE OWNER Srown Jarve	comments	TELEP	HONE
	DATE APPLICAT		
DATE STARTED LOCATIONN	OTIFIED	DRILLING COM	MENCED
WAMED DEDMIC			
WATER DEPTHS,			
COAL DEPTHS,	,	.,	
	CASING		
Ranfeet of		with	fill up
Ranfeet of			
Ranfeet of			
Ranfeet of		with	fill up
			PARTIMENERGY OIL AND GAS
TD feet on			
	PLUGGING		MAY 2 8 1986
Type	From T	o P	ipe Removed
Pit Discharge date:	Type		
		c1	
Well Record received	fe ———— Recla	+:0+	to release

API#	47	_
TTT # //	T 0	

LIST ALL VISITS FOR THIS PERMIT

DATE	TIME	PURPOSE	COMMENTS
			Charles of West
			The state of the s
Marian Marian Property of the Control of the Contro			
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And the second			

Notes

