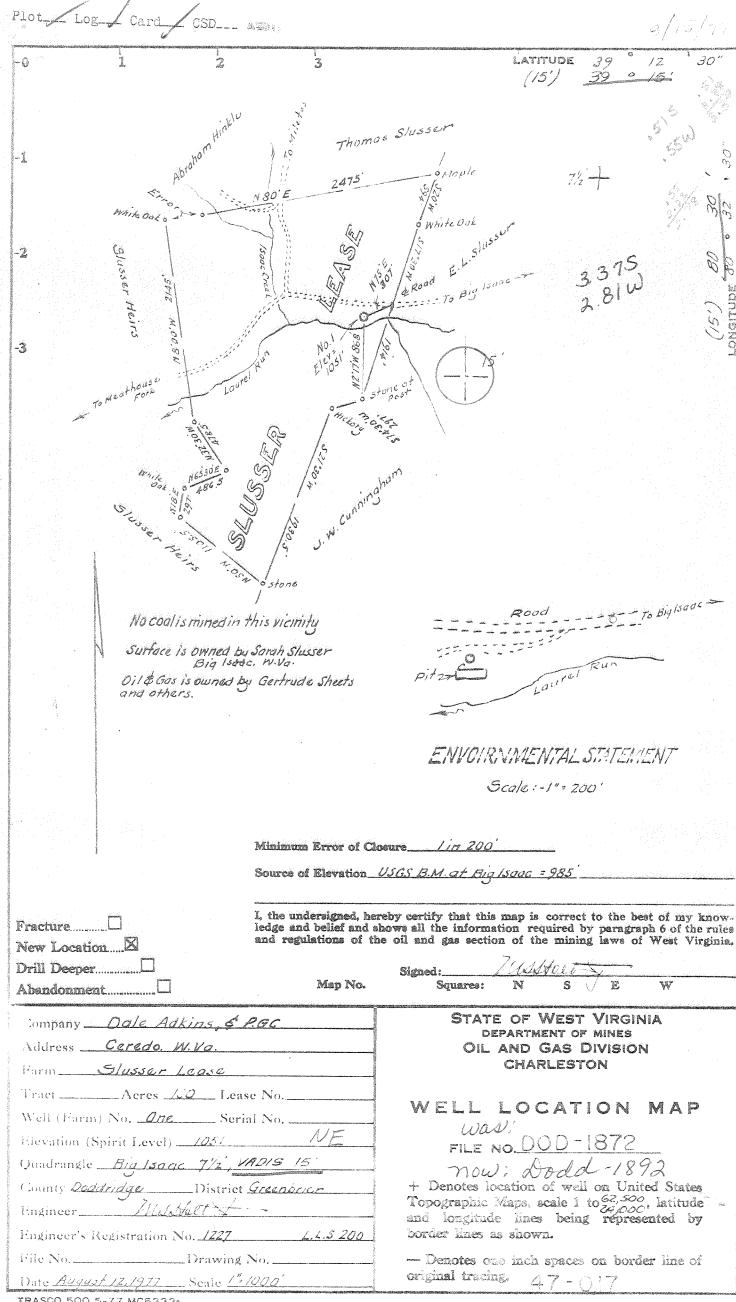
3-3

BIG ISAACS





STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Division

API # 47-017-1892

Quadrangle Big Issac

WELL RECORD

Rotary X Oil
Cable Gas X
Recycling Comb.
Water Flood Storage

VIVOASTAVISION De J. OF BELLEGO

Permit No. <u>Dodd 1</u> 892 Lease # 000034				dStorage
Company <u>Dale Adkins, Operator</u> Address P.O.Box 5557, Huntington, W. Va Farm Sarah Slussar Acres 130	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (waters) <u>Big Issac</u> Well No. 1-40K38 <u>Elev. 1051</u> District Greenbrier County Doddridge	Size 20-16 Cond.			
The surface of tract is owned in fee by	13-10"	20	20	
Sarah Slussar Address Big Issac, W. Va.	9 5/8 8 5/8	1013	1013	280 sks.
Mineral rights are owned by Gertrude Sheet, eta	al 7		+	
Address Big Issac, W.Va.	5 1/2			
Drilling Commenced 4/25/78	4 1/2	4890	4890	100 sks
Drilling Completed 4/30/78	3			
Initial open flow 120 MCF/AOE. ft. bbis-	2			
Final production 800 MCF. Ap Fper daybbls.	Liners Used			
Well open 24 hrs. before test 1800 RP.				
Well treatment details:	Attach copy of	cementing rece	ord.	
Well Fractured 6/13/78 by Hallibu				
Breakdown: 2200/Average press 60,000 # 20/240 Sand / 1014 B	Time 2600/A	Transpora R	PM: 346	
perforations: 4694 to 4714 - ISIP: 1500 PSI				
	《中国》 《中国》(中国)(中国)(中国)(中国)(中国)(中国)(中国)(中国)(中国)(中国)	eanteil teich vielte das aus auf vielend tapand tapandaren ein vielende open versammen.		distribution of the section of the s
Coal was encountered at 950 Fee		Inche	S.	
Fresh water	Salt V	Water		i l'est
Producing Sand Benson	Depti	4694	to 4714	

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Clay Sand, slate & shale Coal Sand & Shale Coal Sand, Slate, Red Rock Big Lime Shells Big Injun Sand & Slate Balltown Sand & Shale Benson Sand & Shale T.D.	0 15 100 115 450 453 1700 1925 1950 2010 3410 3415 -4696 4705 4768	15 100 115 450 453 1700 1925 1950 2010 3410 3415 4696 4705 4768	Wet @ 190 Gas @ 1950 Oil @ 1956 Gas @ 4705

(over)

^{*} Indicates Electric Log tops in the remarks section.



DEPARTMENT OF MINES



Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

•	
TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE April 24,1978
Surface Owner Sarah Stusher	company Dale Adking & P. G. C.
	Address P. O. Box 5557, High, W. V9.
Address Big Issac W. Va.	Farm Sayah Slusher Acres 130
Mineral Owner Centrude Sheet, Et al	
Address Big TSSac, W. VQ.	Location (waters) Big TSS9C
Coal Owner Certrule Sheet et al	
Address Big Tesac, W. 19.	District Creenbrier County Doddridge
Cual Operator Coal Not operated	Quadrangle Big TSSac 75
Address	
THIS PERMIT MUST BE POSTED AT THE WELL S.T.	
All provisions being in accordance with Chapter 22	
of the W. Va. Coas, the location is hereby approved	INSPECTOR TO BE NOTIFIED Paul Garrett
for <u>drilling</u> . This permit shall expire if	TO BE NOTIFIED Paul Garrett
operations have not commenced by 8-24-78	ADDRESS 321 Beech St. Clarksburg, W.Va. 26301
Topal h Jours	PHONE 622-3871
Deputy Director - Oil & Gas Division	PRONE
GENTLEMEN:	
The undersigned well operator is entitled to drill upo	on the above named farm or tract of land for oil and gas, having fee
	ease dated19by C.W.
	and recorded on the day of
19, in County, Book	· · · · · · · · · · · · · · · · · · ·
X NEW WELLDRILL DEEPER	REDRILLFRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRI	
	neer or licensed land surveyor and all coal owners and/or operators
have been notified as of the above date.	
	reby notified that any objection they wish to make, or are required, or filed with the Department of Mines within ten (10) days. *
Copies of this notice and the enclosed plat were maile	ed by registered mail, or delivered to the above named coal operators
	day before, or on the
same day with the mailing or delivery of this copy to the	be Department of Mines at Charleston, West Virginia.
	Very truly yours,
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) YY. Day
GEOFRISICAL LOOS DIRECTEI 10.	Well Operator
WEST VIRGINIA GEOLOGICAL AND	P.O. Box 5557
ECONOMIC SURVEY	Address Street
P. O. BOX 879 Well	Operator Huntington
MORGANTOWN, WEST VIRGINIA 26505 CC. AC-304 - 292-6331	City or Town
AC-304 - 272-0331	W 40 28703
	State

*SICTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filling of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed. (FORMERLY: DOD-1872)

CASH DEPOSIT HELD BY STREET IN

DOD-1892 PERMIT NUMBER

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

	X DRILL	DEEPEN F	RACTURE-STIMULATE
DRILLING CONTRACTOR: (If		RESPONSIBLE AGENT	
NAME S. W. Jack D	Drilling Ire.	NAME Dale A	Lking
ADDRESS Bochquar	" and the second of		a 5557, Htgn, w. ig
TELEPHONE	*	TELEPHONE 132-8	%0/529-3436/824-7273
ESTIMATED DEPTH OF COMPL			,
PROPOSED GEOLOGICAL FORM		10121111	CABLE TOOLS
TYPE OF WELL: OIL_		COMP COOP ACT	
		LING WATER FLO	
	RECTU	LING WAILR FLO	OTHER
TENTATIVE CASING PROGRAM	!:		
CASING AND TUBING	USED FOR	LEFT IN	CEMENT THE UP
SIZI	DRILLING	WII.L.	OR SACKS - CUBIC 1-1
20 - 16	0.	0 -	-
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8 - 5/8],000		
7	3/000	1,000	250 sts
5 12	and the second s		
4 12	5,000	5.000	300 Sks. pz
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i mers	eren des la tempelatur en este militario de la colonia		Perf. Lop
			Perf. Bottom
4 DDD/AVIA/APPR PROJECT NA PRO-	<i>o</i> .	The second secon	
APPROXIMATE FRESH WATER	DEPTHS 90 FEET	SALT WATER	150 FEET
		,	
APPROXIMATE COAL DEPTHS _	<u> </u>		
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APPROXIMATE COAL DEPTHS _ IS COAL BEING MINED IN THE TO DRILL: SUBMIT FIVE (5) COPIES (OF PLAT. TO DRILL DEEPER OR REDRILI SUBMIT FIVE (5) COPIES O WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTED TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL OR BOND, PERMANENT PLAT OIL AND/OR GAS WELL OR ING ORIGINAL PERMIT NUM Required forms must be filed four (24) hours in advance. The following waiver must be thereof. WAIVER: I the undersigned, Agen	C AREA? NOT KNO C AREA? NOT KNO C AREA? NOT KNO C AREA? NOT KNO C AREA? NOT CO C 1929, A PERMANENT CO C 200, A PERMANENT CO C 300, A PERMANENT CO C 300, A PERMANENT CO C 400, A PERMANENT CO C 400, A PERMANENT CO C 500, A PERMANENT CO C 600, A PERMANENT CO C 600, A PERMANENT CO C 600, A PERMANENT CO C 700, A PERMANENT CO	BY WHOM? BY WHOM? BY WHOM? MIT FEE, PERFORMANCE BE JINAL PERMIT NUMBER AN COPY OF THE PLAT AND TO COPY OF THE PLAT AND TO COORD. AND/OR AFTER JUNE 5, 192 E BOND. Completion for bond release. Coal Company, Owner	DND AND PERMANENT COPY D PERFORMANCE BOND, ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE. 9, FIVE COPIES OG - 1, SHOW Inspector to be notified twenty ssued within ten days of receipt or Operator of the coal under
APPROXIMATE COAL DEPTHS _ IS COAL BEING MINED IN THE TO DRILL: SUBMIT FIVE (5) COPIES (OF PLAT. TO DRILL DEEPER OR REDRILI SUBMIT FIVE (5) COPIES O WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTE! TO FRACTURE STIMULATE: OIL AND/OR GAS WELL OR BOND, PERMANENT PLAT OIL AND/OR GAS WELL OR ING ORIGINAL PERMIT NUM Required forms must be filed four (24) hours in advance. The following waiver must be thereof. WAIVER: I the undersigned, Agen this lease have examined	OF OG - 1, \$100.00 PERM L: OF OG - 1, SHOWING ORIGO O 1929, A PERMANENT OD. LIGINALLY DRILLED BEFORMANCI AND ORIGINAL WELL RE LIGINALLY DRILLED ON A ABER, AND PERFORMANCI within ninety (90) days of e completed by the coal op at for d and place on our mine in	BY WHOM? BY WHOM! BY WHO	DND AND PERMANENT COPY D PERFORMANCE BOND, ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE. 9, FIVE COPIES OG - 1, SHOW Inspector to be notified twenty ssued within ten days of receipt or Operator of the coal under on.
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APPROXIMATE COAL DEPTHS _ IS COAL BEING MINED IN THE TO DRILL: SUBMIT FIVE (5) COPIES (OF PLAT. TO DRILL DEEPER OR REDRILL SUBMIT FIVE (5) COPIES O WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTED TO FRACTURE STIMULATE: OIL AND/OR GAS WELL OR BOND, PERMANENT PLAT OIL AND/OR GAS WELL OR ING ORIGINAL PERMIT NUM Required forms must be filed four (24) hours in advance. The following waiver must be thereof. WAIVER: I the undersigned, Agen this lease have examined We the	Coal Company	BY WHOM? BY WHOM! BY WHO	DND AND PERMANENT COPY D PERFORMANCE BOND, ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE. 9, FIVE COPIES OG - 1, SHOW Inspector to be notified twenty or Operator of the coal under on. cell being drilled at this location,

Orricial Title

Signed by M. Nals C





OIL & GAS DIVISION DEFT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

Mineral Owner GERTRUDE SHEET, ET AL Address BIG ISSAC, W.VA. Coal Owner GERTRUDE, SHEET ET AL Well No.SLIISHER #1 (K-38) Elevation 10 Address BIG ISSAC, W.VA. District, GRECHBRITER County, DODD Coal Owners GERTRUDE, SHEET ET AL Well No.SLIISHER #1 (K-38) Elevation 10 Address BIG ISSAC, W.VA. District, GRECHBRITER County, DODD Coal Operator, GOAL, NOT OPERATED Quadrangie BIG ISSAC, 7- Address Add	TO THE DEPARTMENT OF MINES,	
Address BIG ISSAC, W.VA. Mineral Owner GERTRUDE SHEET, ET AL. Address BIG ISSAC, W.VA. Coel Owner GERTRUDE SHEET, ET AL. Address BIG ISSAC, W.VA. Coel Owner GERTRUDE SHEET, ET AL. Address BIG ISSAC, W.VA. Coal Operator COAL NOT OPERATED Coal Operator COAL NOT OPERATED Address BIG ISSAC, W.VA. District GREMBRIER County, DODD Address BIG ISSAC, W.VA. District GREMBRIER County, DODD Address BIG ISSAC, W.VA. District GREMBRIER County, DODD Address BIG ISSAC The Well SITE I provinces being in excerdence with Chapter 22, of the W. Vo. Code, the location is hereby approved for drilling This pentic shell expire if TO BE NOTIFIED Paul Garrett To BE NOTIFIED Paul Garrett ADDRESS Clarksburg WV. PHONE CENTLEMBN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, havin title thereto, (or as the case may be) under grant or lease dated 19 by C.W. MITCHELKNOUS made to DALE ADKINS, INC. and recorded on the day of MITCHELKNOUS made to DALE ADKINS, INC. and recorded on the day of MITCHELKNOUS made to DALE ADKINS, INC. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator are hereby notified that any objection they wish to make, or are region make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days, and the model of the department of Mines within ten (10) days, and the state of the code of t	Charleston, W. Va.	DATE AUGUST 15, 1977
Address BIG ISSAC, W.VA. Mineral Owner GERTRUDE SHEET, ET AI. Address BIG ISSAC, W.VA. Coal Owner GERTRUDE SHEET, ET AI. Address BIG ISSAC, W.VA. Coal Owner GERTRUDE SHEET, ET AI. Address BIG ISSAC, W.VA. Coal Operator COAL NOT OPERATED Address BIG ISSAC, W.VA. Coal Operator COAL NOT OPERATED Address BIG ISSAC, W.VA. District GREENBRIER County DODD Address BIG ISSAC, W.VA. Coal Operator COAL NOT OPERATED Address BIG ISSAC, W.VA. District GREENBRIER County DODD Address BIG ISSAC, W.VA. DEAL STREET BIG ISSAC, W.W. ADDRESS Clarksburg WV. PRONE Clarksburg WV. ADDRESS Clarksburg WV. PRONE PRONE Clarksburg WV. PRONE PRONE Clarksburg WV. PRONE Clarksburg WV. PRONE PRONE Clarksburg WV. PRONE Clarksburg WV. PRONE Clarksburg WV. PRONE PRONE Clarksburg WV. PRONE Clarksburg WV. PRONE PRONE	Surface Owner SARAH SLUSHER	Company DALE ADKINS & P. G. C.
Address BIG ISSAC, W.VA. Location (waters) BIG ISSAC Coal Owner, GERTRUDE SHEET, ET AL. Address BIG ISSAC, W.VA. Coal Owner, GERTRUDE SHEET, ET AL. Address BIG ISSAC, W.VA. District GREENBRIER County, DODD Coal Owners, GERTRUDE SHEET, ET AL. Address BIG ISSAC, W.VA. District GREENBRIER County, DODD Coal Operator GOAL, NOT OPERATED Address F-15 FERMIT MUST RE POSTED AT THE WELL SITE F-15 FERMIT MUST RE POSTED AT THE WELL SITE F-16 FERMIT MUST RE POSTED AT THE WELL SITE F-17 ADDRESS Clarksburg WV. Depart Precions have not commenced by 12-15-77 ADDRESS Clarksburg WV. Depart Precion Of a Gos Division GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, havin title thereto, (or as the case may be) under grant or lease dated MUTCHELKNOUS made to DALE ADKINS, INC. and recorded on the day of 19 in DALE ADKINS, INC. and recorded on the day of X NEW WELL DEPER REPRILL FRACTURE OR STIMULA OIL AND GAS WELL ORIGINALLY DIRLIED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator are hereby notified that any objection they wish to make, or are requested by Section 2 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above harmed coal operator are hereby notified that any objection they wish to make, or are requested make by Section 2 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above harmed coal operator against the receives address of the Code, must be received by or filed with the Department of Mines within ten (10) days. PLEASE SUBNIT COPIES OF ALL (Sign Name) Well Operator **SECTION 3* If no objections we filed or found by the Department of mines, within said period of ten	BTG TSSAC W VA	D O DV FFF7 HEREN IT III
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Coal Operator GOAL NOT OPERATED Quadrangle BIG ISSAC 73 Address Arial Permit Mulst Be POSTED AT THE WELL SITE To previous being in accordance with Chapter 22, of the W. V. A. Code, the location is hereby opproved and illing To be notified as Clarksburg WV. Deputy Director - Oil & Gos Division GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, havin title thereto, (or as the case may be) under grant or lease dated MUTCHELIKNOUS made to DALE ADRINS, INC. and recorded on the day of 19. In County, Book Page X NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMUL/ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. ** Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operator same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL Very Assay, yours, DALE ADKINS (Sign Name) Well Operator Well Operator **SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the received and the series are held in the partment of mines, within said period of ten days from the receive and the series of sub plat, then to objections have been made by the coal operators or found the file to the department of the thin the said permit in the filing of sub plat, then to objections have been made by the coal operators or found the file to the department of the thin this suce to the well operator authorized to proceed. **SECTION 3 If no objections	Address BIG ISSAC, W.VA.	
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the W. Va. Code, the location is hereby opproved drilling. This permit shall expire if perotions have not commenced by 12-15-77. Decuty Director Off & Gos Division GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, havin title thereto, (or as the case may be) under grant or lease dated 19 by C.W. MUTCHELKNOUS made to DALE ADKINS, INC. and recorded on the 4 day of 19 in County, Book Page X NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULY OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operator or coal owners at their above shown respective address day before, of on same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 579 MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331 **Section 3 If no objections are filed or found by the Department of mines, within said period of ten days from the received and plat by the department of mines, to said appropace of each of the coal operator appraint to the filling of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same	I provisions being in accordance with Chapter 22.	
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The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, havin title thereto, (or as the case may be) under grant or lease dated	Deputy Director - Oil & Gas Division	PHONE
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The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator have been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operator coal owners at their above shown respective address day before, or on same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL (Sign Name) WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331 *Section 3 If no objections are filed or found by the Department of mines, within said period of ten days from the received form of the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit refining of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is applied to the well operator authorized to proceed. DOD-1372 DOD-1372 PERMIT NUM		
The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operator or coal owners at their above shown respective address day before, or on same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL (Sign Name) Very truly yours, DALE ADKINS Very truly yours, DALE ADKINS (Sign Name) Well Operator Well Operator P.O. BOX 5557 Street P.O. BOX 5557 MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331 *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the recein notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit referring of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is apply and the well operator authorized to proceed. DOD-1872 PERMIT NUM	OIL AND GAS WELL ORIGINALLY DE	RILLED BEFORE JUNE 5, 1969.
The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are requisited to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operator or coal owners at their above shown respective address day before, or on same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL (Sign Name) Well Operator WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 5557 MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331 *Section 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receivable for the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is applied to the well operator authorized to proceed. *SECTION 3 If no objections are filed or found by the coal operators or found thereto by the department and that the same is applied to the well operator authorized to proceed. *SOUND THE CODE TO MAIL THE CODE	The enclosed plat was prepared by a registered eng	gineer or licensed land surveyor and all coal owners and/or operators
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or coal owners at their above shown respective address	The above named coal owners and/or operator are to make by Section 3 of the Code, must be received by	nereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. *
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*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receination and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit rethe filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is appeared to proceed. DOD-1872 PERMIT NUM	P. O. BOX 879	of
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DOD-1872 PERMIT NUM	the filing of such plat, that no objections have been made by the	e coal operators or found thereto by the department and that the same is approved
PERMIT NUM	and the wen operator authorized to proceed.	ž
447		DOD-1872 PERMIT NUMBER
Thave read and understand the reclamation requirements as set forth in 47 017	"I have read and understand the reclamation requirements a	

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER T	OX DRILL	DEEPEN	FRACTURE-STIMULATE		
DRILLING CONTRACTOR: (If Known)	RESPONSIBLE AGEN	Γ:		
NAME S.W. JACK	NAME S.W. JACK, DRILLING, INC.				
ADDRESS BUCHANON,	W.VA.	ADDRESS P.O. B	X. 5557, HTGN., W. VA.		
		TELEPHONE 736-8	900/529-3436/824-7273		
ESTIMATED DEPTH OF COM	PLETED WELL: 5,000	ROTARYX	_ CABLE TOOLS		
PROPOSED GEOLOGICAL FO					
		DMB. STORAG	E DISPOSAL		
			LOODOTHER		
TENTATIVE CASING PROGR.		WAIER FI	OTHER		
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.		
20 - 16					
13 - 10	90	90			
9 - 5/8					
8 - 5/8	1,000	1,000	250 sks.		
7 5 ½					
4 ½	5,000	5,000	300 sks. pz		
3	3,000	J,000	Perf. Top		
2			Perf. Bottom		
Liners			Perf. Top		
			Perf. Bottom		
	S OF OG - 1, SHOWING ORIGI		and performance bond. On		
WELLS DRILLED PRIOF MUST ALSO BE SUBMIT		DPY OF THE PLAT AND	THE ORIGINAL WELL RECORD		
TO FRACTURE - STIMULATE	:	· · · · · · · · · · · · · · · · · · ·			
OIL AND/OR GAS WELL BOND, PERMANENT PL	ORIGINALLY DRILLED BEFOR	RE JUNE 5, 1929, FIVE (5 CORD.) COPIES OG - 1, PERFORMANCE		
	ORIGINALLY DRILLED ON AN NUMBER, AND PERFORMANCE		929, FIVE COPIES OG - 1, SHOW-		
Required forms must be f four (24) hours in advance		completion for bond release	e. Inspector to be notified twenty-		
	at be completed by the coal ope	rator if the permit is to be	e issued within ten days of receipt		
thereof.		0.10			
	agent fornone on our mine ma		er or Operator of the coal under ation.		
We the	Coal Company	have no objections to said	well being drilled at this location,		
providing operator ha	as complied with all rules and regu		d 7, Chapter 22 of the West Virginia		
			For Coal Company		

Official Title