

0000

Big Isaac (147)

6-6



IV-	35				
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		APR	08	1988	
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DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

HMT wells

TEST SENTER	

## State of Mest Hirginia Bepartment of Mines

Gil und Gas Bivision

Date_ Operator Well No.	s KR-0	081				
Farm	R. :	Peck	#2			
ADT No /	7 -	017	_	2492	_	F

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 1281 Watershed Me	athouse Fo	rk		- 10
District: Greenbrier County Doddr	idge	Quadrangle	Big Isaa	<u>ic 7 1/2</u>
COMPANY Doran & Associates, Inc.				
ADDRESS 200 Roessler Road, Pgh, PA 15220	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Charles Stimeling	Tubing	Drilling		
ADDRESS P. O. Box 39, Bridgeport, WV 26330	Size			
SURFACE OWNER Howard M. & Alice M. Proper	20-16		Congression (Congression Congression Congr	
ADDRESS Rt. 3, Salem, WV 26426	Cond.	10'	10'	
MINERAL RIGHTS OWNER Rebekah Peck	9 5/8	10	1 - 1 - 1	
ADDRESS P. O. Box 184, Fincaster, VA 24090	8 5/8	1357'	1357'	150 Sks.
OTT AND CAS INSPECTIOR FOR THIS WORK Mike	7	133,		
Underwood ADDRESS (304) 782-1043	5 1/2			
DERMIT ISSUED 9/13/79 \8/7/85		3952'	39521	525 Sks.
DRILLING COMMENCED 5/28/80 9 20 85	4 1/2			
DRILLING COMPLETED 6/5/80 11 22/85	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners useđ			
REWORKING. VERBAL PERMISSION OBTAINED ON			1	
GEOLOGICAL TARGET FORMATION Alexander		Dej	oth 5520	feet_
Depth of completed well 3952 feet	Rotary	x / Cab	le Tools_	
Water strata depth: Fresh 370 feet;	Salt	fee	t	
Coal seam depths: 150, 431, 835	Is coal	being mi	ned in th	ne area?
Coar seam depuis. 130, 102,				
OPEN FLOW DATA	· 10-	anno do	nth 280	)4 feet
Producing formation Gordon Stray	Po	ay zone de	pui	Bb1/c
Gas: Initial open flow Mcf/d	O11: 11	inal open	flow	
Final open flow 25 Mcf/d	r. Tomo Inius	HIAI Open Final test	s 1	nours
Time of open flow between in	Itlal alu .	ement) aft	er 72 h	ours shut i
Static rock pressure 30 psig(surf	ace lleasur	eners, are		
(If applicable due to multiple completi	on)	av zone de	epth	fee
Second producing formation		nitial ope	en flow	Bbl/
Gas: Initial open flow Mcf/d	. Oile E	inal open	flow	Bbl/
Final open flowMCI/C  Time of open flow between ir	i orre t	final test	.s	hours
Time of open flow between in Static rock pressurepsig(surfa	in measure	ment) afte	er h	ours shut i



#### WELL LOG

### DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

FORMATION COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh & salt water, coal, oil & gas
Sandy Shale Sand Sandy Shale Driller's T.D.		5050 5300 5315	5300 5315 5545 5545	
Big Injun Gordon Stray Speechley Balltown Balltown Logger's T.D.		2164 2794 3436 3708 3868	2284 2852 3466 3730 3898 5520	





# IV-35 (Rev 8-

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

## State of Mest Virginia

Bepartment of Mines Gil und Cas Pivision

Date Oper Well	cator's	KR-	-081	-			
Fam	n	R.	Peck	#2			
API	No. 47		017		2492	_	F

WELL OPERATOR'S REPORT

OF

### DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 1281 Watershed Me	eathouse Fo	rk		
District: Greenbrier County Doddr	idge	Quadrangle	e <u>Big</u> Isaa	ac 7 1/2
COMPANY Doran & Associates, Inc.				
ADDRESS 200 Roessler Road, Pgh, PA 15220	Caşing	Used in	Left	Cement
DESIGNATED AGENT Charles Stimeling	Tubing	Drilling		fill up Cu. ft
ADDRESS P. O. Box 39, Bridgeport, WV 26330	Size	DITTITUE	TI METT	Cu. ru
SURFACE OWNER Howard M. & Alice M. Proper	20-16			
ADDRESS Rt. 3, Salem, WV 26426	Cond.	101	101	
MINERAL RIGHTS OWNER Rebekah Peck	11 3/4	10'	10'	
ADDRESS P. O. Box 184, Fincaster, VA 24090	9 5/8	10571	10571	150 61
OIL AND GAS INSPECTOR FOR THIS WORK Mike	8 5/8	1357'	1357 <b>'</b>	150 Sks
Underwood ADDRESS (304) 782-1043	7			<del>                                     </del>
PERMIT ISSUED 9/13/79 \ \ 8   7   85	5 1/2	3952'	3952'	525 Sks
DRILLING COMMENCED 5/28/80 9/20/85	4 1/2	3,04	3332	323 ORS
DRILLING COMPLETED 6/5/80 11/23/85	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used	42-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-		
GEOLOGICAL TARGET FORMATION Alexander		Dept	h 5520	fe
Depth of completed well 3952 feet :	Rotary <u>x</u>	/ Cable	e Tools_	
Water strata depth: Fresh 370 feet;	Salt	feet		
	Is coal	being mine	ed in the	area?
Coal seam depths: 150, 431, 835				
Coal seam depths: 150, 431, 835  OPEN FLOW DATA				
OPEN FLOW DATA	Pay	zone dept	h 2804	. fe
OPEN FLOW DATA  Producing formation Gordon Stray  Gas: Initial open flow Mcf/d	Oil: Ini		flow	Bbl
OPEN FLOW DATA  Producing formation Gordon Stray  Gas: Initial open flow Mcf/d	Oil: Ini Fin	tial open al open fl	flow	Bbl Bbl
OPEN FLOW DATA  Producing formation Gordon Stray  Gas: Initial open flow Mcf/d  Final open flow Mcf/d	Oil: Ini Fin ial and fi	tial open al open fl nal tests	flowho	Bbl Bbl wrs
OPEN FLOW DATA  Producing formation Gordon Stray  Gas: Initial open flow Mcf/d  Final open flow Mcf/d  Time of open flow between init	Oil: Ini Fin ial and fi e measurem	tial open al open fl nal tests	flowho	Bbl Bbl urs
OPEN FLOW DATA  Producing formation Gordon Stray  Gas: Initial open flow Mcf/d  Final open flow Mcf/d  Time of open flow between init  Static rock pressure 30psig(surface)	Oil: Ini Fin ial and fi e measurem)	tial open al open fl nal tests ent) after	flowhorehou	Bbl Bbl urs
Producing formation Gordon Stray  Gas: Initial open flow Mcf/d  Final open flow Mcf/d  Time of open flow between init  Static rock pressure 30 psig(surface)  (If applicable due to multiple completion)	Oil: Ini Fin ial and fi e measurem) Pay	tial open flal open flal tests ent) after	flow low how 72 hou	Bbl Bbl urs rs shut



## STATE OF WEST VIRGINIA DEPARTMENT OF MINES

## Oil and Gas Division

### WELL RECORD

Quadrangle_	Big	Isaac	7	35

Permit No. 47-017-2492

RotaryX	Oil
Cable	GasX
Recycling	Comb.
Water Flood	Storage
Disposal	Wind !

			Disposal	(Kind)
Company Doran & Associates, Inc.  528 Washington Rd., Pgh., PA 15228  Farm R. Peck K-L-265 Acres 89.6	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (waters) Meathouse Fork  Well No. #2 Elev 1281  District Greenbrier County Doddridge	Size 20-16 Cond			
The surface of tract is owned in fee by Howard M. & Alice M. Proper	<u>p\$560" 11 3/4</u> 9 5/8	10'	10'	
Address Rt.3, Salem, WV 26426  Mineral rights are owned by Rebekah Peck	8 5/8 7	1357'	13571	150 sks.
AddressP.O. Rox 184, Fincaster, VA  Drilling Commenced 5-28-80 24090	5 1/2 4 1/2	39521	3952"	525 sks.
Drilling Completed 6-5-80 Initial open flow 103 M cu. ft bbls	3 2			
Final production 300 M cu. ft bbls.  Well open 103 M cu. ft bbls.  Well open 72 hrs. before test 950 ft RP.	Liners Used			

Well treatment details:

Attach copy of cementing record.

	- Property of the control of the con			STIMULATI	
DATE:	INTERVAL PERFORATED:	FROM	TO	AMT. FLUID	AMT. SAND
6 + 20 16 + 16 0		3717	3872	571BBLS.	15,000 #
		3456	3462	419BBLS.	50,000 #

Coal was encountered at 150', 431', 835' Feet Inches

Fresh water 6370' Feet Salt Water Feet

Producing Sand Balltown Speechley Depth 3708 3436

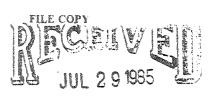
			4 American francisco de la companya del la companya de la companya de la companya del la companya de la companya del la companya de la compan
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Substructure ~	0	10	The state of the s
Sand	10	30	november of the state of the st
Sandy Shale & Red Rock	30	70	
Sand	70	105	100-00-00-00-00-00-00-00-00-00-00-00-00-
Sandy Shale	105	150	
Coal	150	154	
Sandy Shale & Red Rock	154	340	
Sand	340	431	F.W. @ 370'
Coal	431	434	
· Sandy Shale & Red Rock	434	610	
Sand	610	650	
Sandy Shale	650	835	
Coal	835	838	
Sandy Shale	838	1100	
Sand	1100	1130	
Sandy Shale	1130	1140	
Sand	1140	1150	1 Jan Carlotte -
Sandy Shale	1150	2080	The state of the s
Lime	- 2080	2110	1.6
Shale	2110	2125	Gas @ 21200 2154 2180
Big Lime	- 2125	2230	041 242 0 2220:
Sand	2230	2300	Gas @ 2237 GAS DIVISION
Sandy Shale	2300	2325	To Comment of the same poor
Sand	2325	2400	en e

nation Color Hard or Soft	Top Feet y	Bottom Feet	Oil Gus or Water " Remarks	elementar, portificación compressor esta con los epitores portificación de la compressión de la compressión de Palados de compressión de personal de la compressión de la compressión de la compressión de la compressión del
Sandy Shale Sand	2400 2720 2760 3070 3145 3385 3465 3570 3640 4430 4490 4780 4785 5035 5035 5050 5300 5315	2720 2760 3070 3145 3385 3465 3570 3640 4430 4490 4780 4785 5035 5050 5300 5315 5545	Gas @ 2794°	
Big Injun Gordon Stray Speechley Balltown Balltown Logger's T.D.	2164 2794 3436 3708 3868	2284 2852 3466 3730 3898 5520		
	an erven varior of states in the property of t			
de André (André de Le constant de L		PRINCIPALISM ON ANY PROTECTIVA ANA PROPERTY AND ANALYSIS OF THE PROPERTY AND ANY PROPERTY A		
ARK-CHITTHETOTOGRAPHERADALIS ALLOW-CHICKNOS	PRESIDENTE SALES PROPRIES PROP	en valjandičeno – timo poljuju plojan glavov evo vrsavnogo		

APPRONED Romand P. Janahle Councer

11 Vice President Operations
17:16)

FORM IV-2(B) (Obverse) 7-83





1)	Date:_	July	8,	1985	, 19

2) Operator's K-R-81(K-L-265) R. Peck#2

3) API Well No. 47 - 017-2492 Frac State County Permit

# DIVISION OF OIL A GAS STATE OF WEST VIRGINIA DEPARTMENT OF EN DESARTMENT OF MASS, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

4)	WELL TYP	PE: A O	il	/ Ga	ıs	<u>X</u>							
		B (I	f ''Gas'', I	Production	1	X	_/ Undergrou	nd storage	_/ Deep	_/ Shallow <u>X</u> /)			
5)	LOCATIO		H: Elevation: 1281					Watershed: Meathouse Fork					
	District: Greenbrier  6) WELL OPERATOR Doran & Associates, ]				Doddridge	Quadrangle:							
6)							nc.(224)	<ol> <li>DESIGNATED</li> </ol>		lie Stimeling			
	Address			essler			14100	Address	P.O. Box				
-				urgh,		3220				ort, WV 26330			
8)	OIL & GAS				FIED			9) DRILLING CO					
	Name			g. WV	263	Λ1	<del></del>						
	Address		-622-3		203	01		Address					
10)	PROPOSE	D WELL	WORK:					/ Redrill		/			
				Plug of	f old t	ormation_	X/ Pe	rforate new formation_	X/				
							well (specify)_		· · · · · · · · · · · · · · · · · · ·				
11)							-(419)						
							back)						
								salt,					
					***************************************		I	s coal being mined in the	area? Yes	/ No/			
	CASING A	ND TUBI						•	0				
	ISING OR BING TYPE		SPEC	IFICATION Weight	8	Bio Africa	FOOTA	GE INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS			
		Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)				
Con	ductor	11 3/4			ļ		10'	10'		Kinds			
Fres	h water		-	-									
Coa	\		-	-	-					Sizes			
lnier	rmediate	8 5/8	<u> </u>	ļ		1	1357	1357'	150 sks				
	duction	4 1/2		1	1		39521	3952'	525 sks	Depths set			
Tub				1	ļ	1 1							
Line	ers	1	-	1	-					Perforations:			
				-		-				Top 2888 Bottom 2896			
										2796 2812			
***********		Щ	<u> </u>	ii.	1	<u>1 H</u>			<u>                                     </u>				
				<u></u>			OFFICE US	E ONLY					
				······································			DRILLING						
_		/ ¬	017 0/	^^ =									
Peri	mit number_	4/-	017-24	92 Fra	<u> </u>			***************************************	Do	August 7 19 85			
Th:	r permit cou	ering the n	ell omerat	or and we	II locati	on chown	halow is avida	nos of mormission arento	Da Da da	nce with the pertinent legal re-			
quir	rements subje	ect to the c	onditions	contained	herein	and on the	reverse hereof	Notification must be ai	u to utili ili accordal ven to the Dictrict Oi	ice with the pertinent legal re-			
No.	8) Prior to t	he çonstruc	ction of ro	ads, locat	ons an	d pits for a	ny permitted w	rork. In addition, the we	ell operator or his con	I and Gas Inspector, (Refer to natractor shall notify the proper			
	Agricon Company						ork has comme	•					
		ork is as d	escribed is	the Notic	ce and A	Application	n, plat, and rec	lamation plan, subject to	o any modifications a	and conditions specified on the			
	erse hereof. mit expires    .	Aug	net 7	1987			vamleon.	well work is someoned					
2 (1)	iiii capires _		<u>ust / ,</u>				umess	wen work is commenced	prior to that date and	prosecuted with due diligence.			
_	, in the second		EP-LON.										
B	Bond:	Ager	it:	Plat:	Casi	ng 24	Fee 38/		$\wedge$				
- Parishina	-	A	0 h	0111	ml	1 24	486		YJA				
£			ig_/		110		· * *	1	Jack	V			
							>	Admi	morrow of (	Dil and Gas			
NO	TE: Keep o	one copy o	f this pern	nit posted	at the c	irilling loca	ation. $\checkmark$	IRECTOR D.	VISION)				
				-3		n.,	\$ \$7.7.0.4.3:===================================			File			
			See	the rever	se side (	of the APF	'LICANT'S C	OPY for instructions to	the well operator.				

FÖRM IV-2 (Obverse)		DEPARTMENT	STATE OF WEST	VIRGINIA LL AND GAS DIVI	Date: June 13 , 19
[08-78]					Operator's R. Peck # 2-K-L-166
			O GAS WELL PER	RMIT APPLICATIO	1 3
	011/ G				API Well No. 47 - 017 - 249 State County Perm
	(If "Gas", Pro	duction X/	Underground	storage/	Deep/ Shallow/)
LOCATION: I	Elevation: 1	281	Watershed:	Meathouse F	ork
1	District: <u>Gre</u>	enbrier	County: Dod	dridge	Quadrangle: Big Isaac 7½
WELL OPERATOR	Doran & As	sociates, In	c.	DESIGNATED AC	<sub>GENT</sub> Alvin Sorcan
Address	728 Washin	gton Road		Address	Rt. 4, Box 444
	Pittsburgh	, PA 15228			Buckhannon, WV 26201
OIL & GAS	TD 4 7 4 7	•	* **		
	Rebekah Pe			COAL OPERATOR	Eastern Associated Coal Co.
Address	P. O. Box Fincastle	VA 24090		Address	Koppers Building
Acresco		VA 24090			Pittsburgh, PA 15219
	89.59 Howard M.	- & Alice M. P	roper		WITH DECLARATION ON RECORD:
	Rt. 3		10001		rn Associated Coal Co.
	Salem, WV	26426	-	Address	Koppers Building Pittsburgh, PA 15219
Acreage	83.81		· · · · · · · · · · · · · · · · · · ·	Name	
FIELD SALE (1	F MADE) TO:	·			
Name Equ	itable Gas Co	mpany			
Address	420 Boulevar	d of the All	ies	COAL LESSEE W	VITH DECLARATION ON RECORD:
	Pittsburgh,		-		N/A
Poul	PECTOR TO BE N	OTIFIED -		Address	The same and the s
	Garrett	TTT OCCUP			
Address	(304) 622	g, WV 26301			SEP 13 79/9
	(304) 022	-30/1	the same of the sa		OIL & GAS DIVISION
The	undersigned w	ell operator d	s entitled to	operate for o	il or has purnoses at the above
location under	r a deed	/ lease X	/ other cont	ract/ da	ted <u>May 17</u> , 19 78, XXXXX
				larence W. Mu	tschelknaus
14 March 1988	, lease, or oti				
County West 1	Jinginia in	, 19 <u>70</u> , in	the office of	the Clerk of	the County Commission of Doddridge
PROPOSED	WORK: Drill	X / Drill do	oner / Pa	b page 042	. A permit is requested as follows:
				rforate new for	
		hysical chang			amation
	plant	ned as shown o	n the work or		erse side hereof.
The					see are hereby notified that any
objection they	wish to make	or are requir	ed to make by	Code § 22-4-3	must be filed with the Department
of Mines withi	n fifteen (15)	days after t	he receipt of	this Applicati	ion by the Department.
Copi	es of this Per	emit Applicati	on and the en	closed plat and	reclamation plan have been mailed
by registered	mail or delive	red by hand t	o the above n	amed coal opera	ator, coal owner(s), and coal lesse-
		mailing or de	livery of this	s Permit Applic	cation to the Department of Mines at
Charleston, We	st Virginia,				
PLEASE SUBMIT GEOPHYSICAL LO	COPIES OF ALL	•		200	CDG DA
VEST VIRGINTA CONSERVATI	ON COMMISSION	٠	-	Honold'	Well Operator
615 WASHINGTO MARLESTON, WV	N STREET FAST 25311				
PELEPHONE: (3	04) 348-3092	Militain, Saladanani, pala tan, an, an,	By		i de
		<del>arranga</del> i	It	. S	

### PROPOSED WORK ORDER

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

								35 UPON COMPLETIC	ΣM	
DRILLING COM	ITRACTO	OR (IF	KNOWN)	S.	W. Ja	ck Drillin	g Company			
				Addr	ess <u>P</u> .	0. Box 69	7			
					<u>In</u>	idiana, PA	15701			
GEOLOGICAL T										
Estimat	ed dep	th of	complet	ed we	ell, <u>5</u>	600	ſeet	Rotary X /	Cable tools	. /
Approxi	mate w	ater s	trata d	epths	s: Fre	sh, 120 f	cet; salt	, <b>63c</b> feet.		/
Approxi	mate c	oal se	am dept	hs: _	300	s' Is	coal being m	ined in the area	ic Yes	Z Ho 🗡
CASING AND T										
CASING OR	ŀ	SPEC	IFICATI		a de la companya de l	FOOTAGE	INTERVALS	CEMENT FILL-UP		
TUBING TYPE	Size	Grade	Weight per ft	New	Used H			OR SACKS  (Cubic feet)		CKERS
Conductor	113/4			×		301		r (ouble leet)	Kinds	2.0.:
Fresh water									MINUS	
Coal									Sizes	
Intermediate				У			1050	250 5148		
Production	4/2	55	9.1/2	×			5600	300 sks	Depths set	diser
Tubing										.54-4
Liners					-		•		Perforation	ns:
•									Top	Botton.
						N				· .
the red application of the World of the Worl	of the cable in pusly insent et of Africatued as cons be considered as cons be considered as cons be considered as c	other to the paid or requir the prosection of communication of communication of the communication of the communication of com	securit reclament the second the Form rection rection rection rection rection This menced by	y all ation time woode ( well.  IV-2 latin orm ) to with is he permit	lowed b requir cli, th 22-4- B shall MEINTE V-2 ft h Chapte reby app shall ex 5-28-80	y Code § 22- ed by Code § ed fee requir ed from the not be required from the the required from the extra to filed in connect extra to filed in conne	is prescribed 4-2, (iii) 1 4-2, (iii) 1 2 4-12b are red by Code owner of any ired for frathe work foction therew		I2, or in lamation Pla amation Pla , (iv) unle (n) if amplivelling with lating a we is sought	ieu n", ss indie, thin
is  The ocation has sell location he work pro-	to be under examing the bosed to	issued signed ed thi well l	within  coal o  sopropo  ocation	fif	teen (i	b) days of r  WAIVEF  owner  cation. If	under Code ceeipt there lesse a mine map e mine map. T	ee / of the cexists which cover the undersigned hoperator has compared to regulations.	ne permit coal under ers the are	a of the
e:			19			And the state of t				**************************************
						n				And the same of th