



DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS DIVISION DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

	DA	TE May	6, 1981		
Surface Owner AMAX, INC.		ΔΜΔΥ	PETROLEU	M CORPORA	TION
Address AMAX CENTER, GREENWICH, CT	06000	dress 1300 W			
Mineral Owner AMAX, INC.		AMAY TN		7	91.5
(Same)		cation (waters)		Acres	
Address AMAX COAL COMPANY	Lo	ll No. Gove	#3	ii or ryga	220cR
Address 105 S. Meridian, Indianap	olis Ind	Il No.	« Crools	Elevation	Dan 3
	D 10	trict Roarin	g Creek	County	Kando
Coal Operator AMAX. COAL COMPANY	- Qu	adrangle Ella	more, w.	VA. 7.5	MINUC
ERANT MUST BESENSED AT THE WELL SITE					
wisions being in accordance with Chapter 22, W. Va. Code, the location is hereby approved					
ons have not commenced by 1-13-82	INSPECTO BE	NOTIFIED R	obert Ste	ewart	
outy Director - Oil & Gas Division		ss P.O. Box			VA.2
July Director Director Director	PHONE	304/884-7	782		
1 142		0.5			
GENTLEMEN:					
X NEW WELL DRILL D	EEPER			CTURE OR ST	CIMULAT
OIL AND GAS WELL ORIGINALL The enclosed plat was prepared by a registere have been notified as of the above date. The above named coal owners and/or operator to make by Section 3 of the Code, must be received to the coal owners at their above shown respective as the contract of the c	EEPER Y DRILLED BEFO d engineer or licen are hereby notified ved by, or filed with re mailed by registe	REDRILL	969. or and all coation they wish nt of Mines wered to the all	a to make, or a tithin ten (10)	or operate are required days. *
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THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

NAME	(If Known)	TAT M TAT	NT:
		NAME W.M. WO	oodroe
ADDRESS		ADDRESS Chares	ston National Plaza
		TELEPHONE 304/3	343- Chareston, W.VA.
			4041
ESTIMATED DEPTH OF COM	MPLETED WELL:	ROTARY X	CABLE TOOLS
	ORMATION:		
TYPE OF WELL: OI	L GAS X C	COMB STORA	AGE DISPOSAL
	RECYCLI	NG WATER	FLOODOTHER
TENTATIVE CASING PROGR	AM:		
CASING AND TUBING	USED FOR	LEFT IN	CEMENT I II I UP
SIZE	DRILLING	WIFLL	OR SACKS - CUBIC FT.
20 - 16			
13 - 10	Conductor	40	Cmt. to surface
9 - 5/8	Conado cos		
8 - 5/8	Surface	1200	Cmt. to surface
7		FC and State	
5 1/2		Lavender Great	
	Production	5500	500 Sks
4 ½	11044011011	The second secon	Perf. Top
3			Perf. Bottom
1 indus			Perf. Top
Liners			Perf. Bottom
			TOTEL OF SOME SOME INTERPRETATIONS
IS COAL BEING MINED IN	the court of the c	BY WHOM:	?
SUBMIT FIVE (5) COPE OF PLAT. TO DRILL DEEPER OR RED SUBMIT FIVE (5) COPE WELLS DRILLED PRICE	ORILL: ES OF OG - 1, SHOWING ORIC OR TO 1929, A PERMANENT O	GINAL PERMIT NUMBER	R AND PERFORMANCE BOND. O
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Legend: Property Boundry

Road = = = =

Existing Fence

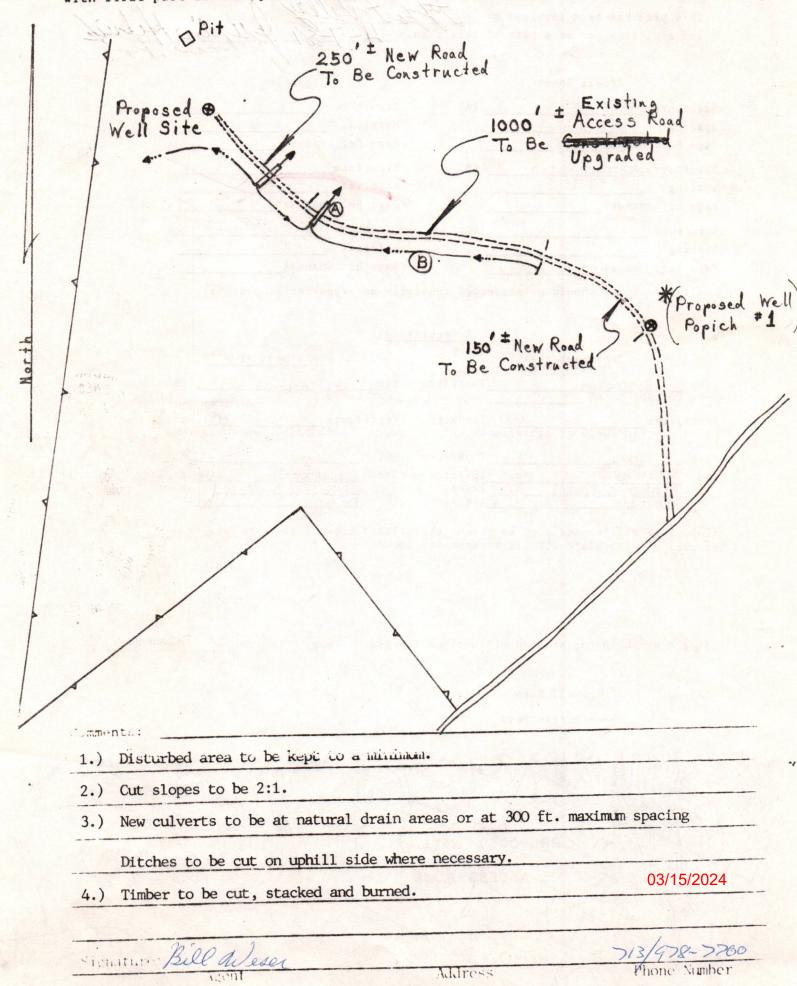
Planned Fence

Stream

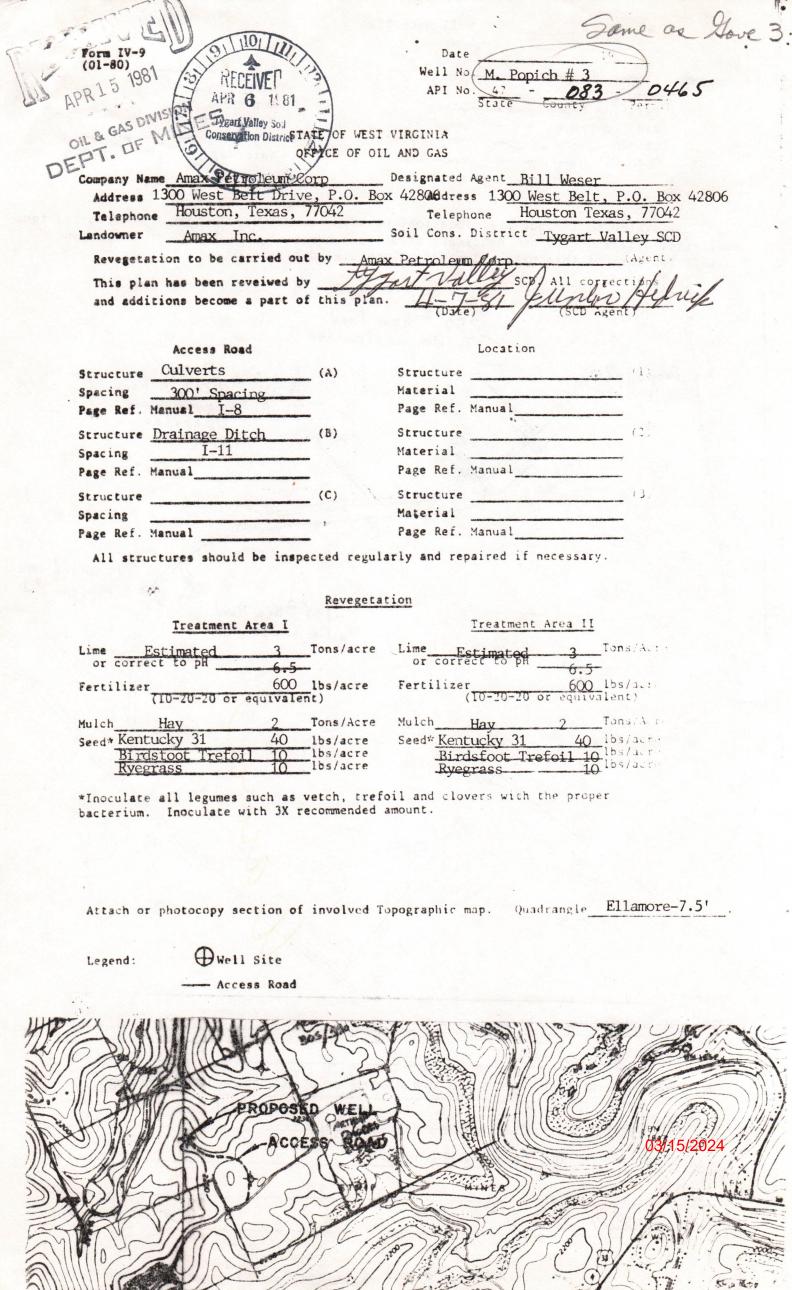
Open Ditch

Diversion
Spring O
Wet Spot
Building
Drain Pipe
Waterway

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



andowners conneration to protect now seeding for one growing season.



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

	(If Known)	RESPONSIBLE AGE	_ FRACTURE-STIMULATE NT: Dodroe
ADDRESS			ston National Plaza
			343_ Chareston, W.VA
	MPLETED WELL:		1817
	DRMATION:	ROTART _X	_ CABLE TOOLS
		(1014h	
THE OF WELL.	LGAS X		
TENTATIVE CASING PROGR.		ING WATER I	FLOODOTHER
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN	CEMENT 1 IF I UP
20 - 16	Dividenti	WFLL	OR SACKS - CUBIC FT.
13 - 10	Conductor	40	Comb. La
9 - 5/8	Conductor	40	Cmt. to surface
8 - 5/8	Surface	1200	Cm+ +0 cm+f
7		17200	Cmt. to surface
5 1/2			
4 ½	Production	5500	500 Sks
3		4 - 4 3	Pert. Top
Libora			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom
O DRILL DEEPER OR REDRII SUBMIT FIVE (5) COPIES	OF OC 1 SHOWING STATE	5	
BRIEBED IRIOR	TO 1999 A PERMANIENT CO	DV CO THE NOW BER A	ND PERFORMANCE BOND.
MUST ALSO BE SUBMITTE	ED. PERMANENT CO	PY OF THE PLAT AND	ND PERFORMANCE BOND. (THE ORIGINAL WELL RECO
MUST ALSO BE SUBMITTE O FRACTURE - STIMULATE:	ED.	TOP THE PLAT AND	THE ORIGINAL WELL RECO
MUST ALSO BE SUBMITTE OFRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF	RIGINALLY DRILLED BEFOR	E JUNE 5, 1929 DVE (5)	THE ORIGINAL WELL RECO COPIES OG - 1, PERFORMAN
MUST ALSO BE SUBMITTE O FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NU	ED. RIGINALLY DRILLED BEFOR AND ORIGINAL WELL RECORIGINALLY DRILLED ON ANI MBER, AND PERFORMANCE E	E JUNE 5, 1929, TVE (5) DRD. D/OR AFTER JUNE 5, 193	COPIES OG - 1, PERFORMAN 29, FIVE COPIES OG - 1, SHO
MUST ALSO BE SUBMITTE O FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NU	RIGINALLY DRILLED BEFOR	E JUNE 5, 1929, TVE (5) DRD. D/OR AFTER JUNE 5, 193	COPIES OG - 1, PERFORMAN 29, FIVE COPIES OG - 1, SHO
MUST ALSO BE SUBMITTED OFRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NUMBER	ED. RIGINALLY DRILLED BEFOR AND ORIGINAL WELL RECORIGINALLY DRILLED ON ANI MBER, AND PERFORMANCE E	E JUNE 5, 1929, TVE (5) DRD. D/OR AFTER JUNE 5, 193	COPIES OG - 1, PERFORMAN 29, FIVE COPIES OG - 1, SHO
MUST ALSO BE SUBMITTED OFRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NUT Required forms must be filed four (24) hours in advance. The following waiver must be	RIGINALLY DRILLED BEFOR AND ORIGINAL WELL RECORDINAL WELL RECORDINALLY DRILLED ON ANIOMBER, AND PERFORMANCE Ed within ninety (90) days of controls.	E JUNE 5, 1929 NIVE (5) DRD. D/OR AFTER JUNE 5, 193 BOND. mpletion for bond release.	COPIES OG - 1, PERFORMAN 29, FIVE COPIES OG - 1, SHO Inspector to be notified twent
MUST ALSO BE SUBMITTED FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NUT Required forms must be filed four (24) hours in advance. The following waiver must be	RIGINALLY DRILLED BEFOR AND ORIGINAL WELL RECORDINAL WELL RECORDINALLY DRILLED ON ANIOMBER, AND PERFORMANCE Ed within ninety (90) days of controls.	E JUNE 5, 1929 NIVE (5) DRD. D/OR AFTER JUNE 5, 193 BOND. mpletion for bond release.	COPIES OG - 1, PERFORMAN 29, FIVE COPIES OG - 1, SHO Inspector to be notified twent
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MUST ALSO BE SUBMITTED OF FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NUTRE Required forms must be filled four (24) hours in advance. The following waiver must be reed. IVER: I the undersigned, Agenthis lease have examined.	RIGINALLY DRILLED BEFOR AND ORIGINAL WELL RECORIGINALLY DRILLED ON ANIOMBER, AND PERFORMANCE Ed within ninety (90) days of content of the completed by the coal operated the complete on our mine maps	E JUNE 5, 1929, DIVE (5) DRD. D/OR AFTER JUNE 5, 193 BOND. mpletion for bond release. tor if the permit is to be division. Coal Company, Owner this proposed well located	COPIES OG - 1, PERFORMAN 29, FIVE COPIES OG - 1, SHO Inspector to be notified twent issued within ten days of receivery from Inc. or Operator of the coal und
MUST ALSO BE SUBMITTED MUST ALSO BE SUBMITTED OF FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NUT Required forms must be filed four (24) hours in advance. The following waiver must be reof. ALVER: I the undersigned, Agen this lease have examined we the	RIGINALLY DRILLED BEFOR AND ORIGINAL WELL RECO RIGINALLY DRILLED ON ANI MBER, AND PERFORMANCE E d within ninety (90) days of con the completed by the coal operate at for	E JUNE 5, 1929 NVE (5) DRD. D/OR AFTER JUNE 5, 19: BOND. mpletion for bond release. tor if the permit is to be defined. Coal Company, Owner this proposed well location	COPIES OG - 1, PERFORMAN 29, FIVE COPIES OG - 1, SHO Inspector to be notified twent issued within ten days of receivery Amax Inc. or Operator of the coal und 03/15/2024
MUST ALSO BE SUBMITTED MUST ALSO BE SUBMITTED OF FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NUT Required forms must be filed four (24) hours in advance. The following waiver must be reof. IVER: I the undersigned, Agenthis lease have examined we the	RIGINALLY DRILLED BEFOR AND ORIGINAL WELL RECORDINATED ON ANIOMBER, AND PERFORMANCE Ed within ninety (90) days of content of completed by the coal operators of the coal operato	E JUNE 5, 1929 NVE (5) DRD. D/OR AFTER JUNE 5, 19: BOND. mpletion for bond release. tor if the permit is to be defined. Coal Company, Owner this proposed well location	COPIES OG - 1, PERFORMAN 29, FIVE COPIES OG - 1, SHO Inspector to be notified twen issued within ten days of receivery Amax Inc. or Operator of the coal undon. 03/15/2024
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Oil and Gas Division

OIL & GAS DIVISION DEPT. OF MINES

TO THE DEPARTMENT OF MINES,		May 6 1981	
Charleston, W. Va.	DATE_	May 6, 1981	TODDODA MITON
Surface Owner AMAX, INC.	Compan	AMAX PETROLEUM (ORPORATION
Address AMAX CENTER, GREENWICH, CI.	06830 Address	1300 West Belt, H	Houston, TX. //04
Mineral Owner AMAX, INC.	- E	AMAX INC. TR	Acres 191.5
Address (Same)	Location	(waters)Laurel Run	Rive
Coal Owner AMAX COAL COMPANY	Well No	Gove #3	_ Elevation 2200
Address 105 S. Meridian, Indianapoli	is, Ind. District	Roaring Creek	County Randolph
Coal Operator AMAX. COAL COMPANY	6225 Quadran	egle Ellamore, W. V	A. 7.5 Minuce
Address (Same)	INSPECTOR	Robert Stew	art
04/ V	TO BE NOT	ROBERT Stew	0.63
	ADDRESS P	.0. Box 345, Jane	Lew, W. VA.263
X \	/ PHONE <u>30</u>	4/884-7782	
GENTLEMEN:			u days having for
	l upon the above na	med farm or tract of land fo	or oil and gas, having fee
The undersigned well operator is entitled to drill	or loace dated	APITI J	_ by
The undersigned well operator is entitled to drill title thereto, (or as the case may be) under grant	or lease datedand_and	ad recorded on the 12th	_ by
The undersigned well operator is entitled to drill title thereto, (or as the case may be) under grant Company made to Amax Petrol Randolph County Book	or lease dated Leum Corp. an 330 Page	d recorded on the 12th	day of May
The undersigned well operator is entitled to drill title thereto, (or as the case may be) under grant Company made to Amax Petrol 19.80 in Randolph County Book X NEW WELL DEILL DEE	or lease dated and and and Page	d recorded on the 12th 424 EDRILLFRACE	day of May
The undersigned well operator is entitled to drill title thereto, (or as the case may be) under grant Company made to Amax Petrol 19.80 in Randolph County Book X NEW WELL PRILL DEE	or lease dated	recorded on the 12th 424 EEDRILLFRACT	day of May
The undersigned well operator is entitled to drill title thereto, (or as the case may be) under grant Company made to Amax Petrol 19.80 in Randolph County Book X NEW WELL PRILL DEE OIL AND GAS WELL ORIGINALLY The enclosed plat was prepared by a registered	or lease dated Leum Corp. an 330 Page EPER DRILLED BEFOR engineer or licensed	Aprili 5 195 Id recorded on the 12th 424 EEDRILL FRACT E JUNE 5, 1969. Id land surveyor and all coal	day of May TURE OR STIMULATE owners and/or operators
The undersigned well operator is entitled to drill title thereto, (or as the case may be) under grant Company made to Amax Petrol 19.80 in Randolph County Book WELL DEL ORIGINALLY The enclosed plat was prepared by a registered have been notified as of the above date. The above named coal owners and/or operator as the first order must be received.	or lease dated Leum Coxp. an 330 Page EPER DRILLED BEFOR engineer or licensed are hereby notified to ed by, or filed with	Aprili 19 Id recorded on the 12th 424 REDRILL FRACT E JUNE 5, 1969. I land surveyor and all coal that any objection they wish the Department of Mines wi	day of May TURE OR STIMULATE owners and/or operators to make, or are required thin ten (10) days.
The undersigned well operator is entitled to drill title thereto, (or as the case may be) under grant Company made to Amax Petrol 19.80 in Randolph County Book WELL DRILL DEE OIL AND GAS WELL ORIGINALLY The enclosed plat was prepared by a registered have been notified as of the above date. The above named coal owners and/or operator at to make by Section 3 of the Code, must be received.	or lease dated Leum Corp. an 330 Page EPER DRILLED BEFOR engineer or licensed are hereby notified to ed by, or filed with mailed by registered	recorded on the 12th 424 EEDRILL FRACT FRACT It lune 5, 1969. It land surveyor and all coal that any objection they wish the Department of Mines wi d mail, or delivered to the ab	day of May TURE OR STIMULATE owners and/or operators to make, or are required thin ten (10) days. * over named coal operators before, or on the
The undersigned well operator is entitled to drill title thereto, (or as the case may be) under grant	or lease dated eum Corp. an 330 Page EPER DRILLED BEFOR engineer or licensed are hereby notified to ed by, or filed with mailed by registered dress to the Department	APPTIT 5 Id recorded on the 12th 424 EEDRILL FRACT FRACT Had surveyor and all coal that any objection they wish the Department of Mines wi d mail, or delivered to the ab of Mines at Charleston, West	day of May CURE OR STIMULATE owners and/or operators to make, or are required thin ten (10) days. * ove named coal operator before, or on the Virginia.
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The undersigned well operator is entitled to drill title thereto, (or as the case may be) under grant Company made to Amax Petrol 19.80 in Randolph County Book Mark New Well Drill Dee OIL AND GAS Well Originally The enclosed plat was prepared by a registered have been notified as of the above date. The above named coal owners and/or operator at to make by Section 3 of the Code, must be received or coal owners at their above shown respective as same day with the mailing or delivery of this copy. PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	or lease dated eum Corp. an 330 Page EPER DRILLED BEFOR engineer or licensed are hereby notified to ed by, or filed with mailed by registered dress to the Department Very tru (Sign Na	defected on the 12th 424 EEDRILL FRACT FRACT Had surveyor and all coal that any objection they wish the Department of Mines wi defined mail, or delivered to the ab- of Mines at Charleston, West ly yours, AMAX PETROLEUM Well Operator 1300 West Belt	day of May TURE OR STIMULATE owners and/or operators to make, or are required thin ten (10) days. * over named coal operator before, or on the Virginia. I CORPORATION
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the filing of such plat, that no objections have and the well operator authorized to proceed. Ran-465 WAIVER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12th and will carry out the specified requirements."

Signed by

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
					errent felt in were the second
				24	Moreover and a second
Big Lime			1,306'	1,446'	Property States No. 110
Sand & S			1,447'	1,453'	
Big Inju Sand & S			1,454' 1,551'	1,550' 1,591'	
Pocono	naie		1,592	1,605'	
Sand & S	hale		1,606'	1,983'	
4th Sand			1,984'	2,006'	
Sand & S			2,007'	2,067'	
5th Sand			2,068'	2,092'	
Sand & S Speechly			2,093'	2,210'	
Sand & S			2,211'	2,945'	
Balltown			2,946'	2,962'	
Sand & S			2,963'	3,612'	
Riley			3,613'	3,650'	
Sand & S	hale		3,651'	3,751'	
Benson.	17-		3,752'	3,800'	
Sand & S lst Elk	nale		3,801' 4,142'	4,141' 4,160'	
Sand & S	hale		4,161'	4,375'	
2nd Elk	naic		4,376'	4,400'	
Sand & S	hale		4,401'	4,911'	
Haverty			4,912'	4,958'	
Sand & S	hale		4,959'	5,021'	/ · X
4th Elk			5,022'	5,050'	
Sand & S. Fox	nale		5,051' 5,132'	5,131' 5,159'	
Sand & S	hale		5,160'	5,305'	
			0,200	3,000	
		Total Depth		5,305'	
			/		
			1		
	1				
	1				

Date August 26 03/15/202481

APPROVED Amax Petroleum Corporationowner

By Reggie Johnson

By_

(Revised)

RECEIVED

Date: August 26, 1981
Operator's
Well No. Gove #3

API Well No. 47-083-0465

AUG 3 1 1981 State of West Virginia
Department of Mines
OIL AND GAS DIVISION and Gas Division
WYDEPARTMENT OF MINES
WELL RECORD

A Control of the Cont	(If "Gas"	Produc	ction X	/ Ur	derg	ion/ Waste round storage	/ Deep	_ Sharrow
Location: 1	Elevation	2,20	00' Wat	ershe	ed La	urel Run of T	ygart Valley	River
	n			C-		Pandolph	Quadranole:	Ellamore, w.va.
Well Operato	or AMA	X Petro	oleum Co	rpora	tion	· Designated Age	ent W. M. Wo	oaroe
Addres	s 130	00 West	Belt			Address	CHALLEBEON	and the second of the second o
	Hou	ston,	Texas 7	7042		10.40	Charleston,	W. Va. 25301
						11 deserve /	Redrill	1
Permitted W	ork: Dri	IL.X.	Covert		Dri.	11 deeper: /	nation /	
	Fra	cture or	stimulate	e	_/ P.	lug off old for	change in well	1 (specify)
	Pre	forate n	ew format:	ion_		Other physical	Charge III wer	i (specify/
Permit Issu	ed on	5/13/8	1			Oil & Gas	Inspector for	This Work:
						Name: Robe	ert Stewart	A. P
						Address:	P. O. Box 3	45
						Jane	e Lew, W. Va	. 26378
				Elk		Dant	h_ 5,200	feet
Geological						-		
			1, 5,3			et Rotary_		
			esh		T	eet; Salt;		
Coal	seam dept	hs:						the area?
Work	was comme	nced	6/29	9/81		, and compl	eted 1/9	701
Casing and	Tubing Pr	ogram						
Casing or		Speci	fications			Footage		Cement Fill-Up
Tubing Type	Size	Grade	Weight	New	Used	For drilling		(cubic feet)
Conductor	12 ³ /4"			Х		46'	46'	1 sx. CaCl ₂
Fresh Water	- 11							
Coal	i							
Intermediat	e 8 ⁵ /8"		23#/ft.	X		1,269'	1,269'	Cmt. to Surfy
Production	11		10.4#/ft	X		5,244'	5,244'	Cmt. to 1300
Tubing								
Liners	1						3	
21								
Well Treat	ment detai	ils:						1.50
Perf. 4t	h Elk @	5,022-2	26' & Hay	verty	0 4	,913'-25' w/1	SPF. Frac'd	w/250 gal. 15%
UC1 + 12	0 bbls	gel & l	15,000# 8	80/10	0 @	35 BPM & 2,90	U#. FOLLOWED	W/320 DD13. 9C.
	# 20/40	8 38 BI	DM & 2.71	00# -	Perf	. 2nd Elk @ 4	,380'-92' W/	ISPF. Frac d w/
500 gal	15% HCl	+ 120 1	obls. ge	1 & 1	5,00	0# 80/100 @ 3	4 BPM & 2,80	U#. FOITOWED W/
						- 2 100H Da	rf Poncon	3 / 56 - 62 · &
3,782'-9 @ 39 BPM	0' W/1SI & 2,100	F. Frace	c'd w/50 lowed w/	0 ga 260 k	bls.	gel & 40,000	# 20/40 @ 47	BPM & 2,000#.
Perf: oBa	11town (2,948	-58' W/ BPM & 2,	4SPF.	Fra Fol	lowed w/275 b	bls. gel & 4	5,000# 80/100 BPM & 2,000#. 120 bbls. gel 10,000# 20/40 @
48 BPM &	1,800#			Mo	F/A	Oil: Initia	l open flow.	03/15/2024 _{Bb1} /d
Cas: Init	ial open	110w,	1 667	N	£/4	Final o	open flow.	1 Bbl/d
				- MC	(a	face measurement	t) after .72	hours shut in.
Static Roc	k Pressur	е,	1,500	psig	(sur	race measurement	c, arcer	
							(Well log	on reverse side)
				gra - 1,21 -	yw. wije.			
			····	rediction	-	and the second s	200 August	

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT OIL & GAS DIVISION

Permit No. <u>083 - 0465</u>			Oil or	Gas Well COAS
Company AMAX PROD	CASING AND	USED IN DRILLING	Leftin	PACKERS
Address HOUSTON TEXAS	Size			
Farm AMAX	16			Kind of Packer
Well No_#3 Gove	13	e e se e		
District ROARING CREEK County RANDOIPH			1268	245 5X5
Drilling commenced 6-28-8/	6 5/ ₈			Depth set
	5 3/16			
Drilling completedTotal depth	3			Perf. top
Date shotDepth of shot	2			Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
VoluneCu. Ft.	CASING CEME	NTED 8 %	SIZE 126	8 _{No. FT.} 7-1-8/ Date
lock pressurehrshrs.				BURTON
Dilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
Fresh waterfeetfeet	FEET_	INCE	HES	FEETINCHES
Salt waterfeetfeet	FEET_	INCH	HES	FEETINCHES
Orillers' Names RAY RESOURCE.	s RiG	-14		
Remarks:	5100			

7-2-81

Releat S03/15/2024

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY			ADDRESS			
ARM		DISTRICT		COUNTY	1	
Filling Material Used						
iner Loca	ation	Amount	Packer	Location		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
					- 13	
			·			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-			
Visit Trip						
illers' Names						
marks:						

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

DATE

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

	DIL 8	GAS	DIVIS	SION	
DE	PT	. DF	M	IN	
		Well_			

Address Farm	Company Amay	Prod	CASING AND	USED IN DRILLING	LEFT IN	PAC	KERS
Well No. 3 District Assuring Ch. County Assured Size of Size			Size	M Company Agency and Company and Company	range and an armonic	x 410 deárro	
District County	Farm anast	(45.8)		A. W.		Kind of Pa	cker
Drilling commenced Depth set 5 3/16 Drilling completed Total depth Depth of shot Initial open flow /10ths Water in Inch Open flow after tubing /10ths Merc. in Inch Volume Cu. Ft. Rock pressure Ibs. hrs. CASING CEMENTED SIZE No. FT. NAME OF SERVICE COMPANY COAL WAS ENCOUNTERED AT FEET IN Fresh water feet feet feet feet FEET IN IN IN IN IN IN IN IN IN I	Well No. 3	#2 #4 19 #		An and a significant of the state of the sta		Size of	
Drilling commenced Drilling completed Total depth Date shot Depth of shot 2 Perf. top Initial open flow /10ths Water in Inch Open flow after tubing /10ths Merc. in Inch Volume Cu. Ft. Rock pressure lbs hrs. CASING CEMENTED SIZE No. FT NAME OF SERVICE COMPANY COAL WAS ENCOUNTERED AT FEET INCHES FEET INCHES	District Rearing Ch	County	81/4	america de como en la	and the second	POS APSORA POSA AND E	
Drilling completed Total depth 3 Perf. top Date shot Depth of shot 2 Perf. bottom Initial open flow /10ths Water in Inch Open flow after tubing /10ths Merc. in Inch Volume Cu. Ft. Rock pressure lbs hrs. NAME OF SERVICE COMPANY COAL WAS ENCOUNTERED AT FEET INCHES	Drilling commenced			•		_ Depth set_	g to produce specific
Date shot Depth of shot 2 Perf. bottom Perf. top Perf. bottom Per	Drilling completed	Total depth				Perf. top_	
Open flow after tubing /10ths Merc. in Inch Volume	Date shot	Depth of shot	2				
Open flow after tubing /10ths Merc. in Inch Volume	Initial open flow	/10ths Water inInch	Liners Used		see-th Nove	Perf. top_	
NAME OF SERVICE COMPANY Dil	Open flow after tubing	/10ths Merc. inInch				Perf. botto	m
bbls., 1st 24 hrs. COAL WAS ENCOUNTERED AT FEET IN FEET INCHES FEET INCHES		Cu. Ft.	CASING CEMEN	TED	_SIZE	No. FT	Date
Fresh waterfeetfeetFEETINCHESFEETIN	Rock pressure	lbs,hrs.	NAME OF SERV	VICE COMPA	NY		
	Dil	bbls., 1st 24 hrs.	COAL WAS ENG	COUNTERED	AT	_FEET	INCHES
general section in the section of th	Fresh water	feetfeet	FEET_	INCH	ES	_FEET	INCHES
Salt water feet feet FEET INCHES FEET IN	Salt water	feetfeet	FEET	INCH	ES	_FEET	INCHES
Orillers' Names	Orillers' Names	and the second s	rance in the charge train. Also provide the hadron and a contraction	en annage han a terbornaan (n. 16-16) een (h.	netto escap, et un recipio d'un		gard same fi
			2				

DISTRICT WELL INSPECTOR

July 22, 8/3

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY						
UMPAN I			ADDRESS			
ARM		DISTRICT.	• \	COUNTY		
Pilling Material Used						
iner Loc	ation	Amount	Packer	Location		S-11
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOS
		diene and a second	and the second second			
					N. HALL BOUNDS	
					24 14 4	
	The state of the					
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		The second section of the second section of the second				
rillers' Names						
marks:		and the street was a single-later.	And the second s			
BAYE	hereby certify I v	isited the above	woll on this date.			

DISTRICT WELL INSPECTOD



State of West Virginia Bepartment of Mines Gil and Gas Bivision Charleston 25305

THEODORE M. STREIT ADMINISTRATOR

WALTER N. MILLER DIRECTOR

August 8, 1983

Amax Petroleum Corporation 1300 West Belt - P. O. Box 42806 Houston, Texas 77042

Gentlemen:

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

PERMIT NUMBER	FARM AND WELL NUMBER	DISTRICT
RAN-0463	Amax, Inc. TR., Cove #1	Roaring Creek
RAN-0464	Amax, Inc. Tr., Cove #2	Roaring Creek
RAN-0465	Amax, Inc. Tr., Cove #3	Roaring Creek

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

Very truly yours,

Cheodore M. Streit, Administrator

office of Oil & Gas-Dept. Mines

MS/

03/15/2024

1				
1		47-083-0465	-	_
	103 Section of		Category Code	0
		5026	feet	
P. (D. Box 42806		TX 77042	000446 Seller Code
Field Na	me		W. Va.	-
Area Nai	me		Block Numbe	<u>, </u>
			OCS Lease Number	•
_Gove	#3			
			•	
Colu	mbia Gas Tra	ansmission (Corporation	004030 Buyer Code
		01 31 01 41 Mo. Day	8 ₁ 2 ₁ Yr.	
		180	MMcf.	
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
	2.634			
•	2.634			
Name Zignature Amended	man /5 d May 7, 198	32	Title	esident
	Roan Field Na Rand County Area Na Name Norma Name Norma Name	AMAX Petroleum Name P. O. Box 42806 Street Houston City Roaring Creek Field Name Randolph County Area Name Date of Le Mo. Day Gove #3 Columbia Gas Tra Name (a) Base Price (s/MMBTU) 2.6 3 4 Norman B. Gove Name Name Norman B. Gove Name Lecember 9, 1981	Section of NGPA 5026 AMAX Petroleum Corporation Name P. O. Box 42806 Street Houston City Roaring Creek Field Name Randolph County Area Name Date of Lease: Mo. Day Yr. Gove #3 Columbia Gas Transmission (Name (a) Base Price (S/MMBTU) (b) Tax 180 Norman B. Gove Name Name Norman B. Gove Name Norman B. Gove Name Norman B. Gove Name Norman B. Gove Name Mo. Day 180	Section of NGPA Category Cod

U.S. DEPARTMENT OF ENERGY Federal Energy Regulatory Commission Washington, D.C. 20426

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)
(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

Section of NGPA	Category Code	Description
102 102 102 102 102	1 2 3 4 5	New OCS Lease New onshore well (2.5 mile test) New onshore well (1,000 feet deeper test) New onshore reservoir New reservoir on old OCS Lease
103	<u>-</u>	New onshore production well
107		High cost natural gas
108		Stripper well _

Other Purchasers/Contracts:

Contract Date		Purchaser			Buyer Code	
(Mo. Day Yr.)						
			•			

Remarks:

FT7900806/1-2

PARTICIPANTS: WELL OPERATOR: AMAY 171982 BUYER-SELLER CO COO446
WELL OPERATOR: MINING DETROLEUM COTP. 000446
WELL OF ENGLOSE.
FIRST PURCHASER: Colombia Das Transmuseron
OTHER:
W. Va. Department of Mines, Oil & Gas Division WELL DETERMINATION FILE NUMBER QUALIFIED
WELL DETERMINATION FILE NUMBER
8/12/4.103.083:0465 Defend for a complete well record
Uso Above File Number on all Communications
Relating to Determination of this Well
CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING
1. FERC -121
2. IV-1 Agent W. M. Woodroe
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: 6 ·29-8/ Date completed)-9 -8/ Deepened
(5) Production Depth: 3622-26 4913-25, 4386-92, 3756-62, 2948-5
(5) Production Formation: 4th Elk, Haverty 2nd Elk, Benson, Ballton
(5) Final Open Flow: 1667MCF
(5) After Frac. R. P. 1500 72 hrs.
(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 Re
(5) Oil Production: From Completion Report
10-17. Does lease inventory indicate enhanced recovery being done NO
10-17. Is affidavit signed? / Notarized? /
Does official well record with the Department confirm the submitted information? $\frac{\sqrt{25}}{\sqrt{25/2024}}$
Additional information Does computer program confirm?
Was Determination Objected to By Whom?
F

•			
FORM IV-54WC			Date December 9, 1981
	STATE OF WEST	T VIRGINIA	Operator's
Gove #3	DEPARTMENT OF MINES, OII		Well No.
NGPA Sec. 103	DEPARTMENT OF MINES, OIL	L AND GAS DIVISION	API Well No. 47 State Volume (Persit
	WELL CLASSIFI	ICATION FORM	10 VE 18 18 20 18 20 18 20 18 20 18 20 18 20 18 20 18 20 18 20 18 20 18 20 18 20 18 20 18 20 18 20 18 20 18 20
	NEW ONSHORE PRO		20
	NGPA Section		
	NOTA SECTION		W. M. Woodroe & C.
		ADDRESS Char.	leston National Plazo
			leston, W. Va. 25301
WELL OPERATOR AMAX	Petroleum Corporation		
	Box 42806		Run of Tygart Valley River
Houst	on, TX 77042	Roaring	
GAS PURCHASER A	0 9 . 7		County Randolph Quad Ellamore 7.5
	. Nas Vransmasson	Gas Purchase Contract No.	*
ADDRESS*		Meter Chart Code	_
-		Date of Contract	*
* No contract has h	been finalized or sale	s made as of the	date of this application.
* * * *	* * * * *	* * *	* * * * * *
Data	T 20 1	201	
Date surface drilling	ng was begun: June 29, 19	981	
Indicate the bottom	hole pressure of the well an	nd evolain have this	
	product of the well al		
BHP = 1685		PSI = Shut-	in wellhead pressure in PSIA
BHP = PSI + (0.0187)	78) (PSI) (G)(L)	G = Gas g	gravity (assuming 0.65)
	TSI	L = Avera	age length of flow string (feet) age shut-in well temperature
PSI = 1515		(degrees R)
G = .65			3,000 11,
L = 5024 TSI = 547		BHT	$\frac{9 + 520}{2} = TSI$
101 - 547	AFFIDAVI	T	2
19//; the well satis: within a proration ur reservoir from which in commercial quantit was capable of producthe best of my inform is a new onshore production.	nit, in existence at the tim gas is or will be produced ties or on which surface dri	eral well spacing reques surface drilling be and which applied to lling began on or aft ities. I state, furt that the well for w	egun on of after February 19 quirements and the well is not gan, which was applicable to the any other well producing gas ter February 19, 1977, and which ther, that I have concluded, to
		7/	2 4
		1_1077	man 13 Hora
TEXAS STATE OF WEXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	X .	1	
COLUMN IIA DD TC	, TO WIT:		
do certify that N	, a Notary	Public in and for th	he state and county aforesaid,
do certify that Norma	an B. Gove , whose name	is signed to the writ	ting above bearing date
the day of _Dece	ember , 1981 has ack	nowledged the same be	
Given und	der my hand and official sea	1 this 10 day of D	ecember 19 81
My term o	of office expires on the $\frac{10}{100}$	day of November	19 85
			, .,

[NOTARIAL SEAL]

NEXUSE CYENCLUM

DENISE ROSENBLUM
Notary Public State of Texas
My Commission Expires November 10, 1985
Bonded by L. Alexander Lovett, Lawyers Surety Corp.

03/15/2024