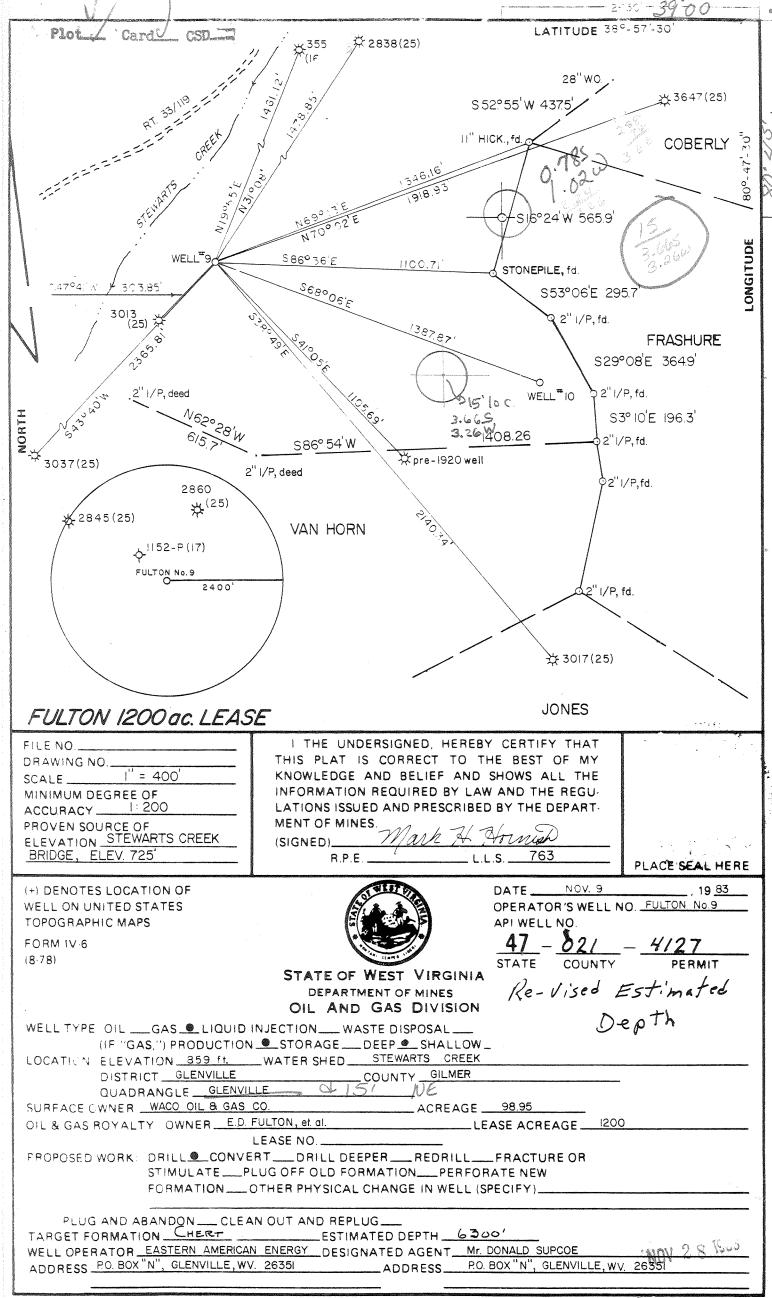
		, and an analysis of the second
71171 111/19		2650' 300
	, _火 355	LATITUDE 38°-57'-30'
	355 % 2838(25)	
RT. 33/119 1		28"WO. • 3647(25)
331118	S 525	°55'W 4375'
==== cate	II" HICH	COBERLY/
-===	/ //	OULINI!
15/	1346.16	0.189
STEWARTS OF	19/b. 3	O+SI6°24'W 565.9'
5'/	N69002/E	7 316 24 # 363.9
WELL [™] 9	\$86°36'E 100.71'	
S47°41'W 303.85'	<u> </u>	STONEPILE, fd.
	\$68°06'E	\$53°06'E 295.7'
3013 (25)	1387.87'	2" I/P, fd.
255.81	7387.87'	FRASHURE \$29°08'E 364.9'
	/ Ski	529°08E 364.9
H 2" 1/P, deed N62° 28'	Mo.	WELL 10 2"1/P, fd.
N620 281	Tes.	S3° 10'E 196.3'
6/5.7		08.262"I/P,fd.
³⁰³⁷⁽²⁵⁾	2" I/P, deed pre-1920 well	$\int_{-\infty}^{\infty}$
2860		∳2"I/P,fd.
2845 (25)	VAN HORN	
√·	VAN HORN	eties of the state
FULTON No. 9		
2400'		2" I/P, fd.
		☆ 3017(25)
FULTON 1200 co 1 51	ISE.	JONES
FULTON 1200 ac. LEA		, secretes
FILE NO DRAWING NO	THE UNDERSIGNED, HEREBY THIS PLAT IS CORRECT TO THE	
SCALE = 400	KNOWLEDGE AND BELIEF AND SH	OWS ALL THE
MINIMUM DEGREE OF ACCURACY 1: 200	INFORMATION REQUIRED BY LAW A LATIONS ISSUED AND PRESCRIBED B	
PROVEN SOURCE OF	MENT OF MINES.	(S)
ELEVATION STEWARTS CREEK BRIDGE, ELEV. 725'	(SIGNED) ///ANZ A SA	763
	R.P.E. L.L.S	PLACE'SEAL HER
(+) DENOTES LOCATION OF WELL ON UNITED STATES		ATE NOV. 9 , 19 83
TOPOGRAPHIC MAPS		PERATOR'S WELL NO. FULTON No.9 PI WELL NO.
FORM IV-6		47 - 821 - 4127- F
(8-78)	to Hank	STATE COUNTY PERMIT
	STATE OF WEST VIRGINIA DEPARTMENT OF MINES	
	OIL AND GAS DIVISION	•
	DINJECTIONWASTE DISPOSAL DNSTORAGEDEEPSHALLOW_	
LOCATION: ELEVATION 859 11.	WATER SHED STEWARTS CREEK	-
DISTRICT <u>GLENVILLE</u> QUADRANGLE <u>GLEN</u>		
SURFACE OWNER WACO OIL & GA		
OIL & GAS ROYALTY OWNER E.	D. FULTON, et. al. LEAS	
PROPOSED WORK: DRILL @ CONV	LEASE NO /ERTDRILL DEEPERREDRILLF	PACTURE OR
STIMULATE	.PLUG OFF OLD FORMATIONPERFORA	TC 816144
	OTHER PHYSICAL CHANGE IN WELL (SPE	
PLUG AND ABANDON CLI	AN OUT AND REPLUG - OWWD - 6-6	Glenville Porth (180)
TARGET FORMATION BENSON - EL WELL OPERATOR EASTERN AMERIC	ESTIMATED DEPTH 4800 ft.	
ADDRESS PO. BOX "N", GLENVILLE, I	AN ENERGY DESIGNATED AGENT Mr. DOI VV. 26351 PO BO	NALD SUPCOE - DEEP WELL-



DEFRUE

6.6 Glenville north

WR-35

Sinte of West Birginia

DEPARTMENT OF ENERGY

Date Decemb	oer 16, 1	986	
Operator's Well No. F	ulton #9		
Farm E.D.		MANAGE TRACEMENT CONTROL OF THE PARTY OF THE CONTROL OF THE CONTRO	
API No. 47	- 021	- 4127	F

DIVISION OF OIL & GAC DEPARTMENT OF ENERGY

Gil und Gas Zivision

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

OCATION: Elevation: 859' Watershed_	Stewarts	Creek		
District: Glenville County Gilm				
		•		
COMPANY Eastern American Fnergy Corp.				
ADDRESS P.O. Box N, Glenville, WV 26351	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Donald C. Supcoe	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Same	Size			•
SURFACE OWNER Waco Oil & Gas	20-16 Cond.			
ADDRESS Glenville, WV	13-10"	30	30	0
MINERAL RIGHTS OWNER Susan Hays Ashbrook	9 5/8	50		Y
ADDRESS Clenville, WV	8 5/8	788'	783'	219
OIL AND GAS INSPECTOR FOR THIS WORK Craig Eox 107, Davisson RE.	7	, , ,		
Duckworth ADDRESS Gassaway W 26624	5 1/2			
PERMIT ISSUED 09-17-36	4 1/2	6586	6586	800
DRILLING COMMENCED 10-23-86	3 3	6.700	0.:00	
DRILLING COMPLETED 12-05-86	2 3/8	11	6402	
IF APPLICABLE: PLUGGING OF DRY HOLE ON	£ 3/0		0402	
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
CN VERBAL PERVISSION OBTAINED	L Control			
GEOLOGICAL TARGET FORMATION Benson, Elk. Com	inglod	Der	oth //2//6_/	701 fee
Depth of completed well 6649 feet	Rotary Y	/ Cab]	e Tools	Zudou-etsisteemeenimmin
Water strata depth: Fresh 90 feet;				
Coal seam depths:				e area? No
				- de de de de
OPEN FLOW DATA Zone orig. comp.	MUS conesias	mipleted		_
Producing formation Oriskany Benson	Elk) Pa	ay zone dej	oth 4346's	<u>5444'</u> fee
Gas: Initial open flow 300 Mcf/d				
Final open flow 531 Mcf/d				
Time of open flow between in				
Static rock pressure 650psig(surfa	ace measur	ement) aft	er 12 ho	ours shut i
(If applicable due to multiple completion	on)			
Second producing formation	2	ay zone de	pth	fee
Gas: Initial open flow Mcf/d	Oil: I	nitial ope	n flow	BD1/
Final open flowMcf/d	Oil: F	inal open	flow	Bbl
Time of open flow between in	itial and	final test	's!	nours
Static rock pressurepsig(surfa	co moadire	ment) afte	r h	ours shut

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

- 1. Perforate Elk with 13 -.39 holes 4602' 4791' pump 20 tons of CO2 with 500 gals. 15% D.I. HCl. Flush with N_2 .
- 2. Perforate Benson with 8 .41 holes 4346' 4356' Pump 50,000 1bs 20140 sand with 500 glas 15% D.I. HCl. Total job 583 bbls. pump N2 at 150 SCF throughout the job.

WELL LOG

		and the state of t			REMARKS		
FORMATION COLOR H	iard or so	FT TOP FEET	BOTTOM FEET	Including	indication	on of al	l fresh
				and salt	water, wa	al, oil (and gas
Earth Sand and Shale Red Rock & Shale Red Rock Sand & Shale Red Rock & Shale Red Rock & Shale Sand & Shale Sand & Shale Sand & Shale Sand Sand & Lime Sand Little Lime Sand Little Lime Sand & Shale Big Lime Injun Sand & Shale Lime & Sand Sand & Shale Lime & Company Shale Elk Shale Tully Marcellus Huntersville Chert Oriskany Helderberg	T.D.	0 2 10 25 30 44 60 146 180 212 531 1253 1259 1446 1477 1492 1580 1655 1778 1787 1864 4340 4368 4600 4800 6145 6170 6214 6438 6538 6649	2 10 25 30 44 60 146 180 212 531 1253 1259 1446 1477 1492 1580 1655 1778 1787 1864 4340 4368 4600 4800 6145 6170 6214 6438 6538 6649	Fresh Wat	er @ 90'	2'' W/W	
				*			

(Attach separate sheets as necessary)

Eastern American Energy Corporation
Well Operator
By: Right Hatlochine
Date: 12/16/85

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 call, encountered in the drilling of a well."

IV-35 Rev 8-81)

diment of Allines

MAR 1 2 1984 Bil und Gas Bivision

Operator's Mest Birginia Well No. FULTON #9 Farm E. D. Fulton API No. 47 - 021 - 4127

Date December 29, 1983

OIL & GAS DIVISION REPORT S REPORT

hours shut in:

DEPT. OF MINES AND/OR STIME	, D , Lui Ola			9
DRILLING, FRACTURING AND/OR STIM	ULATING, O	R PHYSICAL		
•				GAS DIVISION
FIL TYPE: Oil / Gas X / Liquid Injectio (If "Gas," Production X / Undergro	n_/Wast und Storag	e Disposa e/ Deep	DZPT x/Sha	. of MINE
OCATION: Elevation: 859' Watershed	Stewart's C	reek		
District: Glenville County G	ilmer	Quadrangle	<u> Glenvi</u>	11e 7.5'
DMPANY Eastern American Energy Corporation				Cement
DDRESS P.O. Box N, Glenville, WV 26351	Caşing	Used in		fill up
ESIGNATED AGENT Donald C. Supcoe	Tubing	Drilling	in Well	Qu. ft.
ADDRESS P. O. Box N, Glenville, WV 26351	Size	20	0	ês.
SURFACE OWNER WACO OIL & Gas	20-1611" Cord.	20	<u> </u>	
ADDRESS Glenville, WV 26351	13-10"			
INFRAL RIGHTS OWNER Susan Hays Ashbrook	9 5/8			
ADDRESS	8 5/8	788	7881	219 cu.ft
OIL AND GAS INSPECTOR FOR THIS WORK Rt. 1, Box 65	7			
Deo Mace ADDRESS Sand Ridge, WV 25274	5 1/2	(
PERMIT ISSUED 11-17-83	4 1/2	6586	658 6 1	800 cu.f:
ORTILING COMENCED 11-19-83	3			
ORILLING COMPLETED 12-1-83	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners us ed			
ON				
GEOLOGICAL TARGET FORMATION Chert		Dep	th 664	9feet
Depth of completed well 6649 feet	Rotary)	_/ Cable	e Tools_	
Water strata depth: Fresh 90 feet;				
Coal seam depths:	Is coal	being min	ed in the	area? No
OPEN FLOW DATA				6518
Producing formation Oriskany	Pay	zane dep	th 644	41 Ieet
Gas: Initial open flow Mcf/d				
Final open flow 400 Mcf/d	Fir	al open f	low	Bbl/d
Time of open flow between init				•
Static rock pressure 1985 psig(surface	e measurem	ent) afte	r_48_hou	rs shut in
(If applicable due to multiple completion	r)			
Second producing formation		•		
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d	Oil: Fir	al open f	low	Bb]/d

Time of open flow between initial and final tests

Static rock pressure _____psig(surface measurement) after___

ORM IV-35 VEVERSE)

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

Perforated Oriskany from 6444' to 6518'. Fract with 30,000 lbs. 30/100 sand, 36,000 lbs. 20/40 sand, 106,000 scf of N₂, 500 gals. 15% HCl and 35000 gals. is 28% HCl.

Total Fluid 728 Bbls.

WELL LOG

	1		REMARKS
TION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
Earth Sand and Shale Red Rock & Shale Sand & Shale Red Rock Sand & Shale Red Rock & Shale Sand & Shale Shale & Red Rock Sand & Shale Sand Sand & Lime Sand Little Lime Sand & Shale Big Lime Injun Sand & Shale Lime & Sand Sand & Shale Devonian Shale Benson Shale Elk Shale Tully Marcellus Huntersville Chert Oriskany Helderberg T.D.	0 2 10 25 30 44 60 146 180 212 531 1253 1259 1446 1477 1492 1580 1655 1778 1787 1364 4340 4368 4600 4368 4600 4308 6145 6170 6214 6438 6438 6649	2 10 25 30 44 60 146 180 212 531 1253 1259 1446 1477 1492 1580 1655 1778 1787 1864 4340 4368 4600 4300 6145 6170 6214 6438 6538 6649	Fresh Water @ 90'

(Attach separate sheets as necessary)

EASTERN AMERICAN ENER Well Operator	GY CORPORATION
By Mon Cuely	Vice President
Date: 12/29/83	
•	·

ote: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed ecological record of all formations, including only encountered in the drilling of a well."

FORM WW-2(B)	FILE COPY
(Obverse)	MILETINIA
7/85	RIWORK
SEP	12 1985

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



1) Date: August 27 Rework Fulton #9 WVGIL001209 2) Operator's Well No.__ 47 - 021 - 4127 - F

3) API Well No.

State County

Permit

۲	7 64	3 ***		STATE OF WEST VIRGINIA
_			- 10	DEDARTMENT OF ENERGY OIL AND GAG DE

(-	CALL CONTRACT OF		OH 2. G	AS DE	PART	MENT	OF ENERGY	, OIL AND GAS DIV	ISION	
	DIVISI	ON OF	OF EWE	ray	A	PPLIC	ATION FOR A	, OIL AND GAS DIV well work permi	T	
45	DIVISI WEEPAR	LWENI	01 21.11							
4)	WELL TY	E: A C	Dil	/ G	as <u>X</u>	/	,			
<i>e</i> \	I OOATIO	B ()	li "Gas",	Productio	n	<u> </u>	/ Undergr	ound storage	/ Deep	/ Shallow X/)
(د	LOCATIO	N: Ele	evation: _	859 ·	10 0	109 3	Watersh	ed: <u>Stewarts C</u> _Gilmer	reek	375
6)	WELLOD	IU DATOD	Factor	n Amai	ci car	, CO	County:	O 7) DESIGNATE	Quadrangle:	Glenville //
O)	Address	.KAIOK. Ene	ray Co	iro l		Pov 1	V	O /) DESIGNATE		
	Addiess	Gle	nville	TATC 7	26	5351	V-7	Address		WV 26351
R)	OIL & GAS			*				9) DRILLING (•	WV 26.351
O,	Name				للسلاد			Name		
			107, I		on Ri	<u> </u>		Address	INTIOWIT	
			away.		2662			71441033		
10)	PROPOSE						ll deener	/ Redrill	/ Cai1-4-	
10)	I NOI OBE	U WLLL	WORK.					Perforate new formation		
							in well (specify		11_21/	!
11)	GEOLOGI	CALTAR	GET FOR					SENSON 43	7	
,	12) Estima	ted denth	of complet	ed well.	·66	- 4	340,4600	feet		
							feet;		feet	
								Is coal being mined in th		/ No. 17. /
15)	CASING A								re drou.	/ 140/
CA.	SING OR	l	SPEC	IFICATION	s ·		ll Foo:	TAGE INTERVALS	T CEMENT FILL-UP	PACKERS
TU	BING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	1	OR SACKS (Cubic feet)	ACREAS
Conc	ductor	20	J-55	94	1100	X	25	g Lett iis well	(Cubic feet)	10.4
	h water	8 5/8		20	x	+	788	700		Kinds
Coal	***************************************	0 3/0		20_	\vdash	1	700	788	Surface	Sizes
	mediate				1		1.			31253
	uction	41/5	.T-55	10.5	Х	1	6596	6596	650 sks	Depths set
Tubii	***************************************	2 3/8			X		6402	6402	050 SKS	Depuis set
Line.	. ن			1	1	1	VIVA	0402		Perforations:
						1	1			Top Bottom
				1						Top Bottom
				***************************************	· · · · · · · · · · · · · · · · · · ·					!
					·		OFFICE U	SE ONLY	**************************************	
				······································			DRILLING			
			7-021-	4107	4			2		
Pern	nit number_		7-021-	412/-	<u> </u>					September 17 19 86
771		*							Da	
ı ms auire	permit cover ements subject	ing the we	en operato	r and we	i iocati herein	on snow and on t	n below is evia he reverse hered	ence of permission gran	ted to drill in accorda	nce with the pertinent legal re-
0.8) Prior to the	construct	ion of roa	ds, locatio	ns and	pits for	any permitted	work. In addition, the	well operator or his co	l and Gas Inspector, (Refer to ntractor shall notify the proper
distr	ict oil and ga	s inspecto	r 24 hours	before a	ctual p	ermitted	work has comm	nenced.)		i de la companya de l
The	permitted wo	rk is as de	escribed in	the Notic	e and	Applicati	on, plat, and re	eclamation plan, subject	to any modifications	and conditions specified on the
	se hereof.	c	0 m t 0 m h	on 17	100	00				
Perm	nit expires	<u>. 3</u>	eptemb	er 1/	, 190	00	unles	s well work is commence	d prior to that date and	d prosecuted with due diligence.
										
B	ond:	Agent	: P	lat:	Casi	ing	Fee W	DOD SAE	Other	
		Lon	1/2	R I	N	_		THE I		
<u></u>		18613	IK)/_L	KQ,		144	- A-CHA		* .
							,	()4.111	1 to	

See the reverse side of the APPLICANT'S COPY for instructions to the



1)	Date:	October	25,	, 19_83
2)	Operator's Well No	Fulton	#9	

Permit

3) API Well No. $\frac{47 - 021 - 4127}{\text{State}}$ County

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

					*:							
4)	WELL TY	PE: A (Oil	/ G:	asX							
		В ((If "Gas",	Production	n <u>X</u>		/ Undergroun	d storage	/ Deep	_/ Shallow	X	
5)	LOCATIO	N: El	levation: _			359 ¹	Watershed:	Cl /	Creek			
-			istrict:	Glen			County:	Gilmer	Quadrangle:	Elenville	7.5	
6)	WELL OF	ERATOR	ERATOR Eastern American Energ					Corp. 7) DESIGNATED AGENT Donald C. Supcoe				
•	Addres	P. O. Box N						Address P. O. Box N				
			Glenvi	lle W	7 26	351		1 1441 000			26351	
8)	OII. & GA	OIL & GAS INSPECTOR TO BE NOTIFIED						9) DRILLING C				
U j	Name		Dog Mago					•	S. W.	Jack		
	Addres	D+ 1 Dov 65						Address Buckhannon, W				
	Addies		Sand F					Address	DOCULLO	THEOTI, WV		
~				Drill_X		/ 5 :11	1 1			Y		
U)	PROPOSI	ED WELL	WORK:			_/ Drill		/ Redrill		_	7777	
								orate new formation	'——/ ``D)	5(C) 21	WISIN	
					ਂ ਹਾਂ		in well (specify)		186			
1)			LIARGEI FORMATION,								1000	
	•	-	200				fee		Guigaton develop	" NOV 1 4	1983	
	13) Appro		-	-			feet; sa	_{llt,} same	feet.			
	14) Appro	oximate coa	al seam dep	ths:	110	<u>ne</u>	Is o	oal being mined in th	ie area? Yes(OIL & GAS [
5)	CASING A	AND TUB	ING PRO	GRAM					ne	PT OF	MINES	
	SING OR	SPECIFICATIONS					FOOTAGE	E INTERVALS '	CEMENT FILLUP	PACKE		
. v	meno iree	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)			
Conductor		20	J55	94		X	25 -	-0-		Kinds		
Fresh water		8 5/8	3 CW	20	X		400	400	STC 50/50 pc	N	1/E 15,0	
Coal								1	DIC 30/30 P.	Sizes	1	
Intermediate										Sizes		
Production		4 1/2	J55	10.5	Х		4800	4800	300ft. 3 or	A Sepulication.	D: 1 53	
Tubing		1 1/2		2.7	X		3000		SUULT. CIC	Beputate C.		
Liners		 	11 30					4400			15.01	
21110		1	 							Perforations:		
		 								Тор	Bottom	
····			1							 		
-		И	1	<u> </u>	L	<u> </u>	l .			<u> </u>	:	
									er e			
		······································					OFFICE TICE	ONT N				
*****						-	OFFICE USE				. :	
							DRILLING P	ERMIT.			5.7	
ern	nit number_	4	7-021-	4127								
		,					Date					
his	permit cove	ring the w	ell operato	or and well	locatio	on shown	1 below is evidence	of permission grant	ed to drill in accordan		inent legal ro	
uir	ements subj	ect to the c	onditions (contained	herein a	ind on th	ie reverse hereof. N	otification must be o	viven to the District Oil	and Cas Inspec	tor (Pefer to	
0.	8) Prior to t	he constru	ction of ro	ads, locati	ons and	l pits for	any permitted wor	k. In addition, the w	vell operator or his con	tractor shall not	ify the proper	
							work has commend	*				
he	permitted w	ork is as d	escribed in	the Notic	e and A	pplication	on, plat, and reclar	nation plan, subject	to any modifications ar	nd conditions sp	ecified on the	
	rse hereof.	No	vember	17 1	005							
ern	nit expires _	140	veliber	1/, 1	כספ		unless we	ell work is commenced	d prior to that date and	prosecuted with	due diligence.	
										•		
B	and: A	ar Agen	ıt:	Plat:	Casin	2	Fee					
K	ET BO	MU	12	n Ld.	1			1 - 0	/			
Ľ		XD		11-7/1	11/4		12	MI.	1 1 1/			
	-	-	-				/	Marya	ret I. Ha	111		
								Adm	ninistrator, Office of O	il and Gas		
	T. Von	ma aamı, a4	E this mar-					11				

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.