



IV-35 (Rev 8-81)

JUL 28 1987

State of Mest Airginia Pepartment of Mines

Bil und Gas Bivision

Date	May 24, 198	5
Operator Well No.	c's Plum Sl T	W-27
Farm LW		
APT No.	47 _ 73	_ 18 <i>6</i> 3

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT

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

FIL TYPE: Oil x / Gas x / Liquid Injection (If "Gas," Production x / Undergroun	/ Wasterd Storage	e Disposal e/ Deep	/ / Sha	11ow_x/)
OCATION: Elevation: 966 Watershed 1				
District: McKim County Please	ants (	Quadrangle	Ellenbo	oro
Discrete				
COMPANY Techwell, Inc.				<u> </u>
ADDRESS P.O. Box 796 Morgantown, WV 26505	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Darus Zehrbach	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O. Box 796 Morgantown, WV 26505	Size			
SURFACE OWNER L.W. Plum Estate	20-16 Cond.			
ADDRESS RT 2 Box 117 St. Marys, WV 26170	13-10"	300	300	CTS
MINERAL RIGHTS OWNER L.W. Plum Estate	9 5/8			
ADDRESS same	8 5/8	1100	1100	CTS
OIL AND GAS INSPECTOR FOR THIS WORK	7			
Bob Lowther ADDRESS Middlebourne, WV 26149	5 1/2			
PERMIT ISSUED September 6, 1984 612-85	4 1/2	3109	3109	Rule 15-01
DRILLING COMMENCED September 12, 1984	3			
DRILLING COMPLETED September 17, 1984 6/12/85	2			
TE APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners		<u> </u>	-
CN VERBAL PERMISSION OBTITUE			1	
GEOLOGICAL TARGET FORMATION Gordon		Der	oth 3109	feet
Depth of completed well 3109 feet	Rotary x	/ Cab	le T∞ls_	
Water strata depth: Fresh 80 feet;	Salt 1	.620 feet	=	
Coal seam depths: 1520	Is coal	being mi	ned in th	e area? <u>No</u>
OPEN FLOW DATA				
Producing formation Big Injun	Pa	ay zone de	pth 1961	-2022 <b>feet</b>
Gas: Initial open flow 20 Mcf/d	Oil: Ir	itial ope	n flow	0_Bb1/d
Final open flow 1 Mcf/d	F	inal open	flow	0 Bb1/d
Time of open flow between init	ial and	final test	s 24 }	nours
Static rock pressure 785 psig(surface	ce measure	ement) aft	er 48 h	ours shut in
(If applicable due to multiple completion	1)			
Second producing formation	P	ay zone de	pth	feet
Gas: Initial open flow Mcf/d	Oil: I	nitial ope	u lion	B01/G
Final open flow Mcf/d	Oil: F	inal open	flow	BD1/a
Time of open flow between ini	tial and	final test	.s	hours
Static rock pressurepsig(surfac	e measure	ment) afte	erh	ours shut in
		(Cont	time on E	reverse side

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

800 Barrels	and sand with	JUL 28 1987
2012-2022	20 shots	1111 28 1987
1075 1000	F - L - L -	

1975-1980

5 shots

1961-1966

5 shots

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

WELL LOG

EXPLANTA:		UNDO OD COD	mon tream	DAIMIN ELECTION	REMARKS Including indication of all fresh and salt water, coal, oil and gas
FURMATION	WIDE	HARD OR SOFT	TOP FEET	BOTTOM FEET	and salt water, coal, oil and gas
			-		
				•	
CEE.	A T T A C I	HED SHEET			
SEE	ATTAC	TED SHEET			•
1					
	•				
•					
			i	1	2

(Attach separate sheets as necessary)

Well Opera	tor	
By:		
Date:		
	7,,**	

Regulation 2.02(i) provides as follows:

"The term 'log' or 'wel' log' shall mean a systematic detailed geological record fall formations, including that, succuntered in the lling of a well."

### PERFORATION AND FRACTURING DETAILS

FORMATION COLOR HARD OR SOFT TOP FEET BOTTOM FEET REMARKS

#### WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM	FEET	REMARKS INCLUDING INDICATION OF ALL FRESH AND SALT WATER, COAL, OIL, GAS
CHEREURDEN	0	20	00 ED!	TOU LIMTED
SHÄLE & SILTSTONE	20		SU FRI	ESH WATER
SANDETONE	280	330		
SHALE	330	340		
BHMDSTOME & SHALE	340	380		
EHALE	380	400		
SANDSTONE & SHALE	400	480		
SHALE & SANDSTONE	480	500 550		
BHALE, LIMESTONE & SANDSTONE	500 550	55 <b>0</b> 590		
SHALE	550 590	570 520		
SHALE & SILTSTONE		620 630		
SHALE	620 530	550 550	561418	
SANDSTONE & SHALE		700	147	
SHALE, LIMESTONE & SANDSTONE	700	790 790	1112	
SHALE	790 790	220 820	$\Pi\Pi$	JUL 28 1987
LIMY SHALE	770 820	840		202 20 1307
SHALE	840	87 <b>0</b>	'DIV	ISION OF OIL & GAS
SANDSTONE	870	1020	DEP	VRIMENT OF ENERGY
SHALE	1020	1040		THE THE PARTY OF T
SILTSTONE)	1040	1030		
SHALE		1030		
SILTSTONE	1060	1140		
SHALE	1080	1140		
EMACY BANDSTONE	1148	1300		
SHALE	1160	1340		
SANDY SHALE	1300	1350		
IHALE	1340	1400		
EHALY SANDSTONE	1350	1410		
SHALE	1409 1418	1440		•
SANDY SHALE		1440		
SHALY SANDSTONE	1480	1519		·
SANDSTONE	1510	1520		
SILTETONE		1530		
COAL       LITETONE	1530	1540		
	1540	1560		
SHALE BANDETONE	1540	1640	1.529	SALT WATER
SHADSTONE SILTSTONE	1340	1330	1020	5,121 000,120
JANOSTONE	1330	1680		
SHALE	1380	1720		
BANDSTONE		1770		•
EILTETONE	1770	1820		
SANDSTONE	1820	1830		
SANDSTONE SANDY SILTSTONE	1830	1840		
SANDSTONE	1840	1900		
			5.1.0	LIME
LIMESTONE	1900	1910		LIME
SANDSTONE	1910	1930	KEEN	IEK
SHALE	1930	1940		
SHALY SANDSTONE	1940	1950		
EANDY SHALE	1950	1980	D10	TALTIBLE
SANDSTONE	1980	2080	RIG	NULNI
BHALE	2080	2160		
SILTSTONE	2160	2260		
_SHALE	2260	2580	_	
SANDY SHALE	2530	2300	BERE	:A
SHALE & SILTSTONE	2600	2820		. ocatil
"SHALE .	2820	3109	TOTA	AL DEPTH

TECHWELL, INC.
WELL OPERATOR

BY: E. RAY GARTON-GEOLOGIST
GEOLOGIC EVALUATIONS

DATE: May 1, 1986



IV-35 (Rev 8-81)

State of West Nirginia

Department of Mines
Oil and Gas Bivision

	Date_		24, 198	5
	Opera	tor's No. Pi	lum Sl T	W-27
•		LW Plui		
		47	73	1863

MAR 2 8 1986

Gil und Gas	Busion			
WELL OPERATOR'S	S REPORT			
OF DRILLING, FRACTURING AND/OR STIMU	LATING, O	R PHYSICAL	CHANGE	
WEIL TYPE: Oil * / Gas * / Liquid Injection (If "Gas," Production * / Undergrou	/ Wast	e Disposal e/ Deep	/ / Sha	llow_x/)
LOCATION: Elevation: 966 Watershed_	Panther R			<del></del>
District: McKim County Pleas	sants	Quadrangle	Ellenbo	ro
COMPANY Techwell, Inc.		<b></b>		I Company
ADDRESS P.O. Box 796 Morgantown, WV 26505	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Darus Zehrbach	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O. Box 796 Morgantown, WV 26505	Size			
SURFACE CWNER L.W. Plum Estate	20-16 Cond.			
ADDRESS RT 2 Box 117 St. Marys, WV 26170	13-10"	300	300	CTS
MINERAL RIGHTS OWNER L.W. Plum Estate	9 5/8			
ADDRESS same	8 5/8	1100	1100	CTS
OIL AND GAS INSPECTOR FOR THIS WORK General Delivery	7			
Bob Lowther ADDRESS Middlebourne, WV 26149	5 1/2			
PERMIT ISSUED September 6, 1984	4 1/2	3109	3109	Rule 15-01
DRILLING COMMENCED September 12, 1984	3			
DRILLING COMPLETED September 17, 1984	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON			<u> </u>	
GEOLOGICAL TARGET FORMATION Gordon		Deg	oth 3109	feet
Depth of completed well 3109 feet	Rotary :	k / Cabi	e Tools	
Water strata depth: Fresh 80 feet;				
Coal seam depths: 1520				e area?_N
OPEN FLOW DATA				
Producing formation Biq Injun	Pa	ay zone de	oth 1961	-2022 <b>fee</b>
Gas: Initial open flow 20 Mcf/d	Oil: I	nitial ope	n flow_	0 <b>Bbl/</b> 6
Final open flow 1 Mcf/d				
Time of open flow between ini				
Static mck pressure 785 psig(surfa				

Het/d

Mcf/4

Time of open flow between initial and final tests

\_\_peig(surface measurement) after\_

(If applicable due to multiple completion--)

Second producing formation\_

Final open flow\_

Gas: Initial open flow\_

Static rock pressure

(Continue on reperse side)

libes ...

hours shut in

Pay zone depth

Oil: Initial open flow

Oil: Final open flow

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

800 Barrels and sand with Nitrogen assist.

1975-1980 5 shots Big Linia 1961-1966 5 shots Big Linia

WELL LOG

	. W			
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMY Including indicand salt water	ration of all fresh coal, oil and gas
SEE ATTACHED SHEET				
•				
•				

(Attack separate sheets as necessary)

Mell Chereter

Note: Regulation 2.02(1) provide de folisce:

"The term 'log or 'well lag' shall mean a systemeti
detailed geological record f all fr nations, including
wal, encountered in the arrilling revell."

FORMATION COLOR HARD OR SOFT TOP FEET BOTTOM FEET

INCLUDING INDICATION

REMARKS

#### WELL LOG

			INCLUDING INDICATI <b>ON</b> OF ALL FRESH AND SALT
			WATER, COAL, OIL, GAS
SUPERIUS SU	۵	20	
OVERBURD <b>e</b> n Shale & Siltst <b>one</b>	0 20		0 FRESH WATER
SANDSTONE	280	330	THE STATE OF THE S
SHALE	330	340	
SANDSTONE & SHALE	340	380	
SHALE -	380	400	•
SHINDSTONE & SHALE	400	450	
BHALE & SANDSTONE	480	500	
THALE, LIMESTONE & BANDSTONE		550	
SHALE	550 530	59 <b>0</b>	
SHALE & SILTSTONE	59 <b>0</b>	520 53 <b>0</b>	
SHALE EANDSTONE & SHALE	<b>620</b> 530	550 550	
SHALE, LIMESTONE & SANDSTONE		700	
SHALE	70 <b>0</b>	790	
LIMY SHALE	790	328	
HALE	820	S40	
SANDSTONE	840	870	
SHALE	870	1020	
	1020		
SHALE	1040		
SILTSTONE	1060		
SHALE SHALU SANDSTONE	1980 1140	1140 1160	
SHALE	1140	1300	
SANDY SHALE	1300	1340	
MALE	1340	13 <b>50</b>	
EHALY SANDSTONE	1350	1400	
SHALE	1400	1410	
BANDY SHALE	1418	1440	
SHALY SANDSTONE	1440	1460	
SANDSTONE	1460	1510	
COLTETONE	1510	1520	
COAL	1520	1530	,
ILTSTONE CHALS	1530 1 <b>540</b>	1540 156 <b>0</b>	
SAMDSTONE	1560	1640	1620 SALT WATER
SILTSTONE	1640	1550	TOTO GILL WILL
SANDSTONE	1660	1680	
SHALE	1380	1720	
SANDSTONE	1720	1770	
BILTSTONE	1770	1820	
SANDSTONE	1820	1830	
BANDY SILTSTONE	1830	1840	
BANDSTONE	1840	1900	
LIMESTONE	1900	1910	BIG LIME
SANDSTONE	1910	1930	KEENER
SHALE	1930	1940	
SHALY SANDSTONE	1940	1950	
· SANDY SHALE	1950	198 <b>0</b> 208 <b>0</b>	BIG INJUN GER & PO
SANDSTONE SHALE	1980 2080	208 <b>0</b> 2160	PIO IIIOMA ORK & L.
SILTSTONE	2160	2260	
SHALE	2260	258 <b>6</b>	
SANDY SHALE	2 <b>580</b>	2600	BEREA
SHALE & SILTSTONE	2600	2820	
SHALE	28 <b>20</b>	3109	TOTAL DEPTH

TECHWELL, INC.
WELL OPERATOR

BY: E. RAY GARTON-GEOLOGISTAPR 7
GEOLOGIC EVALUATIONS

DATE: (May 1. 1986 & huh?

1986

1) Date:	<u>June</u>	19		, 19 <u>84</u>
2) Operator's Well No.	Plum	S1-T	W27	
3) API Well No.	47	-	73	- 1863
	State		County	Dermit

File

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

) LOCATIO	B (If	"Gas", I	Production		/	Underground ste	orage	/ Deep	Shallow	<b></b> /)
W - 17.4						Watershed:]	Panther Ru	(0~	1:4C)	
							asants	Quadrangle: _	Ellenbor	D
) WELL OF	PERATOR_			nc.		7	) DESIGNATE	DAGENT <u>Daru</u>	s Zehrbac	h
Addres	is		x 796				Address Address	same		
	<del></del>	,			<b>26505</b>					····
OIL & GA							) DRILLING C			
Name		Lowt			8-4764		Name	<u>ार्</u> गि		<del>\\\\]</del>
Addres			Delive	-	0.6140	<del></del>	Address	- 18	2000	<u>₩ (C  </u>
			urne,					11/19	<i></i>	<del>- 7/1</del>
) PROPOSI	ED WELL V	VORK:	Drill_3			-		/ Stimulaid	1111/19	1984
			_			/ Perforat			JULIA	1304
						ell (specify)				
) GEOLOG									OIL & GAS	DIVISION
	nated depth o					feet		6 DF	PT. OF	MINE
	oximate trata									
	oximate coal			<u> </u>		Is coal	being mined in th	e area? Yes	/ NO	<b>X</b> /
) CASING	WND IORII				u	FOOTAGE IN	TERVALE	II CEMENT FILL-UP	l PACK	Enc
CASING OR FUBING TYPE	1 1		IFICATIONS Weight	1		1		OR SACKS	PAC.	ERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	1	
onductor	13				X	20	200	CTS NZ	Kinds	
resh water	11.75		1	X_	<b></b>	280	280	LIS /VZ	Sizes	
oal	8.625			-		1879	1879	CPC	Sizes	
termediate	4.5		<b></b>	X		3300	3300	Kule 15-01	Depths set	
roduction ubing	+		<b>†</b>	X		3300	3300	WILE 13-01	Deptilis set	
ners	+								Perforations:	
1013	1							1	Тор	Bottom
								1	1	
		······································								
					0	FFICE USE O	NLY			
					D	RILLING PER	RMIT			
	, ,	073-18	363					July 27,		1984
	4/-			•••				Da	ite	
ermit number	4/-									
		il operato	or and wel	l locatio	on shown be	elow is evidence of	permission gran	ted to drill in accorda	nce with the per	tinent legal re-
nis permit cov	vering the we	nditions of	contained	herein a	ind on the r	everse hereof. Noti	fication must be	ted to drill in accorda given to the District O	il and Gas Inspe	ctor, (Refer to
nis permit covirements subject to	vering the we ject to the co	nditions of ros	contained in ads, location	herein a ons <b>an</b> d	ind on the r	everse hereof. Noti permitted work.	fication must be a In addition, the	ted to drill in accorda given to the District O well operator or his co	il and Gas Inspe	ctor, (Refer to
nis permit cov tirements sub (a. 8) Prior to strict oil and	vering the we ject to the co the construct gas inspector	nditions of rose 24 hours	contained ads, locations before ac	herein a ons and tual pe	nd on the repits for any rmitted wor	everse hereof. Noti y permitted work. k has commenced	fication must be a In addition, the value.)	given to the District O well operator or his co	il and Gas Inspe ntractor shall no	ctor, (Refer to tify the proper
nis permit covirements sub b. 8) Prior to strict oil and ne permitted v	vering the we ject to the co the construct gas inspector	nditions of rose 24 hours	contained ads, locations before ac	herein a ons and tual pe	nd on the repits for any rmitted wor	everse hereof. Noti y permitted work. k has commenced	fication must be a In addition, the value.)	given to the District O	il and Gas Inspe ntractor shall no	ctor, (Refer to tify the proper
nis permit covirrements sub b. 8) Prior to strict oil and ne permitted verse hereof.	vering the we ject to the co the construct gas inspector work is as de	nditions of rose 24 hours	contained ads, locations before act the Notice	herein a ons and tual pe	nd on the repits for any rmitted wor	everse hereof. Noti y permitted work. k has commenced plat, and reclamat	fication must be a In addition, the solution, the solution of the solution plan, subject	given to the District O well operator or his co to any modifications	il and Gas Inspentractor shall no	ctor, (Refer to ptify the proper pecified on the
nis permit covirements sub b. 8) Prior to strict oil and ne permitted v	vering the we ject to the co the construct gas inspector work is as de	onditions of ion of ros 24 hours scribed in	contained ads, locations before act the Notice	herein a ons and tual pe	nd on the repits for any rmitted wor	everse hereof. Noti y permitted work. k has commenced plat, and reclamat	fication must be a In addition, the solution, the solution of the solution plan, subject	given to the District O well operator or his co	il and Gas Inspentractor shall no	ctor, (Refer to ptify the proper pecified on the
nis permit covirrements sub b. 8) Prior to strict oil and ne permitted verse hereof. ermit expires	vering the we ject to the construction gas inspector work is as de	onditions of ion of rose 24 hours	contained ads, location before act the Notice 1986	herein a ons and ctual pe e and A	nd on the r pits for any rmitted wor application,	everse hereof. Noticy permitted work. It is a commenced plat, and reclamate unless well v	fication must be a In addition, the solution, the solution of the solution plan, subject	given to the District O well operator or his co to any modifications	il and Gas Inspentractor shall no	ctor, (Refer to ptify the proper pecified on the
nis permit covirrements sub b. 8) Prior to strict oil and ne permitted verse hereof. ermit expires	vering the we ject to the co the construct gas inspector work is as de	onditions of ion of rose 24 hours	contained ads, locations before act the Notice	herein a ons and tual pe	nd on the r pits for any rmitted wor application,	everse hereof. Noti y permitted work. k has commenced plat, and reclamat	fication must be a In addition, the solution, the solution of the solution plan, subject	given to the District O well operator or his co to any modifications	il and Gas Inspentractor shall no	ctor, (Refer to ptify the proper pecified on the
nis permit covirrements sub b. 8) Prior to strict oil and ne permitted verse hereof.	vering the we ject to the construction gas inspector work is as de	onditions of ion of rose 24 hours	contained ads, location before act the Notice 1986	herein a ons and ctual pe e and A	and on the rights for any rmitted work application,	everse hereof. Noticy permitted work. It is a commenced plat, and reclamate unless well v	fication must be a In addition, the value of	given to the District Owell operator or his co to any modifications and prior to that date and	il and Gas Inspentractor shall no	ctor, (Refer to ptify the proper pecified on the
nis permit covirrements sub b. 8) Prior to strict oil and ne permitted verse hereof. ermit expires	vering the we ject to the construction gas inspector work is as de	onditions of ion of rose 24 hours	contained ads, location before act the Notice 1986	herein a ons and tual pe e and A Casir	and on the rights for any rmitted work application,	everse hereof. Noticy permitted work. It has commenced plat, and reclamate unless well vee	fication must be a In addition, the solution, the solution of the solution plan, subject	given to the District Owell operator or his co to any modifications and prior to that date and	il and Gas Inspentractor shall no	ctor, (Refer to ptify the proper pecified on the

7-83





1)	Date:	may	24,	 ,	19
2)	Operator's	<b>D</b> 3	- 01		

Well No. Plum SI 3) API Well No.

State

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

					1 Dichilo	711 7 OK 71 11 LI	D WORK I DRIVE	<del>-</del>		
4) WELL 94					<b>x</b> /					
DEP	T. 10 F	t . <b>M</b> 7 /			<b>x</b> /	•	storage	/ Deep	_/ Shallow _	
5) LOCATIO	N: Ele	vation:		66			Panther Run			
			icKim_			County: P	leasants	Quadrangle:	Ellenboro	
6) WELL OP	ERATOR_						7) DESIGNATE	DAGENTDar	us Zehrbach	1
Address	s		Box 79		26525	48950	Address		e	
			ntown,		26505	9015		<del></del>		
8) OIL & GA	- 1	TOR TO I			58-4764	<b>L</b>	9) DRILLING C	ONTRACTOR: Burdette		
Addres	0	ral De	livery	·			Address	Charleston, W	٧	
•	Midd	lebour	ne. WV	261	49					
0) PROPOSE	D WELL Y	WORK:	Drill		√ Drill	deeper	/ Redrill	/ Stimulate	<b>x</b> /	
o, 111010D							rate new formation			
					change in w	ell (specify)				
1) GEOLOG	ICAL TAR	GET FOR	_		Big In	ijunSqua	wGordon			
12) Estim					3109	feet				
13) Appro					80	feet; sal	t,	feet.		
,	oximate coa				1520	Is co	oal being mined in th	e area? Yes	/ No	<b>x</b>
5) CASING	AND TUBI	NG PRO	GRAM							
CASING OR	1		IFICATIONS	·	11	FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKER	s
TUBING TYPE	Stze	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
Conductor	13	0.20	<b>J.</b>		x	20	0		Kinds	
Fresh water	11.75			x		300	300	CTS		
Coal									Sizes	
Intermediate	8,625			x		1100	1100	CTS		
Production	4.5			x		3109	3109	Rule 15-01	Depths set	
Tubing										
Liners									Perforations:	
	1								Тор	Bottom
	1 -									
										_
*										
					0	FFICE USE	ONLY			
					D	RILLING PI	ERMIT			
	47-0	73-186	3 Frac						June 12	19 85
Permit number		773 100	75 1140				<del></del>	Da		17 03
This narmit co	ering the "	ell operati	or and wel	l locati	on shown h	elow is evidence	of nermission gran	ted to drill in accorda		ent legal re
uirements sub	ect to the c	onditions	contained	herein a	and on the r	everse hereof. N	otification must be	given to the District O	l and Gas Inspecto	or, (Refer to
No. 8) Prior to	the constru	ction of ro	ads, locati	ons an	d pits for an	y permitted wor	k. In addition, the v	well operator or his con	ntractor shall notif	y the proper
				-		rk has commend				
	work is as d	escribed in	the Notic	e and A	Application,	plat, and reclan	nation plan, subject	to any modifications a	and conditions spe	cified on the
everse hereof.	June	12, 1	1987			1	ll mark is common or	d maion to the tides of		منائله م
Permit expires		,				unless we	II work is commence	d prior to that date and	prosecuted with d	ue diligence.
		<del></del>								

Bond:

Margare.

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

File