

### west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

February 14, 2014

#### WELL WORK PERMIT

#### Vertical Well

This permit, API Well Number: 47-103335, issued to TEXAS KEYSTONE INC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martir

Chief

Operator's Well No: G. WHITESCARVER NO. 1

Farm Name: RUSH, CAROLA.

API Well Number: 47-103335

Permit Type: Vertical Well Date Issued: 02/14/2014

# PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### **CONDITIONS**

- 1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
- 3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
- 4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
- 7. Well work activities shall not constitute a hazard to the safety of persons.

WW - 2B (Rev. 8/10)



# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION. OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

					01	02	630
) Well Operate	or: Texas	s Keyston	ie, Inc.	494458129	Barbour	Cove	Thornton 7.5
			Ammana	Operator ID	County	District	Quadrangle
) Operator's V	Vell Numb	er: G. Wh	itescarver No. 1		3) Elevation:	1,456'	
) Well Type: (	a) Oil	or Ga	sX				
(1	b) If Gas:	Produ	ction X / Uno	derground Sto	rage	<u> </u>	
		Deep	/ S	Shallow X			
) Proposed Ta	arget Forn	nation(s)	: Elk Feet		Proposed Tar	get Depth: _	5,425'
) Proposed To	otal Depth	5,700	Feet a depths: 110', 220	Formation at I	Proposed Tota	al Depth: _EI	/Sycamore
Approximate Approximate						My and My and	•
) Approximate	e coal sea	m depths	s: 680'				
0) Approxima	te void de	onthe (co	al, Karst, other):	None listed in o	offset well data o	r well record	
u) Approxima	te void de	:pti15,(co	ai, Naist, Other).	110110 110100 1110	on out of the outer of		
1) Does land	contain co	oal seam	s tributary to ac	tive mine? _h	lone		
2) Describe pro	oposed we	ll work ar	nd fracturing meth	nods in detail (a	attach additiona	al sheets if ne	eded)
			and produce from t			i chooto ii no	odou)
						narage.	
3)		CA	SING AND TU	BING PROGR	RAM		
TYPE S	SPECIFIC			FOOTAGE	INTERVALS	S CEME	NT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu	. Ft.)
Conductor	13 3/8"	LS, R3	37#	30'		Sand	In
Fresh Water	9 5/8"	LS, R3	26#	450'		CTS	3
Coal					Duga O	'Ham'	12-10
Intermediate	7" OD	LS, R3	20#	1555'	ough 0	CTS	the state of the s
Production	4 1/2"	65	10.5#	5585'		200 sa	icks
Tubing	1						
Liners					F	EGEWED	
Packers: Kind	d:				Office		Car
Size	es:				D.	CN Treasure	
Dep	oths Set					AN ANALIS	



# **GEOLOGICAL WELL PROGNOSIS**

Beulah East

8-Nov-13

WHITESCARVER HEIRS, GRACE #1

Well Name:		R HEIRS, GRACE #1	Project Name		Beulah East
ermit Number:	47-001- 0333	35	Chicative Paye		
Inticipated Spud Date: OCATION -	Co.	BARBOUR (001)	Objective Pays District:	. Gordon, Be	COVE
	ST:	WV (47)			
Ground Elevation:	1450		Expected Mine:		None
Water Expected Offset Well Water:	FW 10' to 1000'	2" FW @ 110', 1/2" FW @ 600'			
onset wen water.	001-02896 001-02901 001-03015	DAMP @ 830' DAMP @112', DAMP @ 850' DAMP @ 102', 1" FW @ 180', DA	AMP @ 1000'		
Distance (Within 1500') to Neares	st Surface Owner with Wa	ater Supplies (Depth):	NONE KNOWN		
CASING:	AMOUNT(feet):	SIZE:	WEIGHT:	GRADE:	COMMENTS:
Conductor	30	13 3/8"	.25 Wall (37#)	LS, R3	Sand In
Surface	450	9 5/8"	.25 Wall (26#)	LS, R3	Cement to Surface Cement to Surface
ntermediate	1555	7" OD	.25 wall (20#)	LS, R3	Barrier Manual
Production	5585	4 1/2"	10.5#	65	See Drilling Progosis
Comments		Ased hole completion Need to have at least			d baffle depths to be determined well.
DEP INSPECTOR:	BRYAN HARRIS		(O)304-472-1732		(C)304-472-1732
FORMATION	DEPTH (SS)	TOP FM (MD)	BASE FM (MD)	GAS	COMMENTS & ACTUAL TOPS
	The second			CHECKS	
Little Lime		1106	1124		
Pencil Cave	300	1124 1150	1150 1325		
Big Lime Keener	300	1220	1325		(md) if present
Big Lime		1325	1375		(a) proont
Veir		1455	1505	1555	TAKE GC BEFORE RUNNING 7" CSC
Gordon		1890	1910		
ourth Sand		2105	2240	2250	
Fifth Sand	000	2240	2310		
Bayard Speechley	-890	2340 2410	2370 2925		
Balltown		2925	3275		
Riley		3830	4130		
Benson		4130	4150		
Alexander		4345	4405		
st Elk	-3075	4525	4750	4400	
		4750	5050		
		FOFO	FOOF		
Brd Elk		5050 5225	5225 5350		
3rd Elk 4th Elk		5050 5225 5375	5225 5350 5425		
3rd Elk 4th Elk		5225	5350	5625	
3rd Elk 4th Elk 5th Elk Proposed Total Depth DRILLING - Drilling reports are to be		5225 5375 <b>5625</b> na, PA Office (ph # 724-3	5350 5425 349-8131) at 8:00 a.m.	daily for previ	ious 24 hrs activity. All significant
Brd Elk  Sth Elk  Proposed  Fotal Depth  DRILLING -  Drilling reports are to be activity for the previous on casing and cement rulf Significant water	24 hours is to be a	5225 5375 <b>5625</b> na, PA Office (ph # 724-3 reported including dept	5350 5425 349-8131) at 8:00 a.m. ohs and amounts of wa	daily for previ ter and/or gas	ious 24 hrs activity. All significant sencountered, detailed information  D by 50' to account for any
Brd Elk Sth Elk Proposed Total Depth DRILLING - Drilling reports are to be activity for the previous on casing and cement reff Significant water fill up.	24 hours is to be a	5225 5375 <b>5625</b> na, PA Office (ph # 724-3 reported including dept	5350 5425 349-8131) at 8:00 a.m. ohs and amounts of wa	daily for previ ter and/or gas	s encountered, detailed information
activity for the previous on casing and cement ru If Significant water fill up.	24 hours is to be a	5225 5375 <b>5625</b> na, PA Office (ph # 724-3 reported including dept	5350 5425 349-8131) at 8:00 a.m. ohs and amounts of wa	daily for previ ter and/or gas	s encountered, detailed information
3rd Elk 4th Elk 5th Elk Proposed Total Depth DRILLING - Drilling reports are to be activity for the previous on casing and cement refill up.  MUDLOGGING - None SURVEYS - None	24 hours is to be a	5225 5375 <b>5625</b> na, PA Office (ph # 724-3 reported including dept	5350 5425 349-8131) at 8:00 a.m. ohs and amounts of wa	daily for previ ter and/or gas	s encountered, detailed information
Proposed Fotal Depth DRILLING - Drilling reports are to be activity for the previous on casing and cement rule of Significant water FILLING - MUDLOGGING - None CORING - None CORING - None CORING - GR and Neut Run Appalachian Suite. Co faster than 60'/minute. brady@texaskeystone.co	24 hours is to be un.  is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the	5225 5375  5625  aa, PA Office (ph # 724-3 reported including dept ed while drilling the	5350 5425  349-8131) at 8:00 a.m. ohs and amounts of water 6 1/4" hole, increase 6 1/4"	daily for previter and/or gase the T	E encountered, detailed information  D by 50' to account for any  Temp Log to be run going downhole at ailed directly to
Proposed Fotal Depth DRILLING - Drilling reports are to be activity for the previous on casing and cement rule of Significant water Fill up.  MUDLOGGING - None CORING - None CORING - Rand Neut Run Appalachian Suite. Con faster than 60'/minute. brady@texaskeystone.co	24 hours is to be un.  is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the of ALL gas checks	5225 5375  5625  aa, PA Office (ph # 724-3 reported including depted while drilling the point to ground surface. Density-Duel Induction-Be 68 GM/CC Fluid Density e job is completed.	5350 5425  649-8131) at 8:00 a.m. this and amounts of water 6 1/4" hole, increase 6 1/4"	daily for previter and/or gase the T	D by 50' to account for any  Temp Log to be run going downhole at ailed directly to
Proposed Total Depth DRILLING - Drilling reports are to be activity for the previous on casing and cement rule of Significant water of	24 hours is to be un.  is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the of ALL gas checks	5225 5375  5625  aa, PA Office (ph # 724-3 reported including depted while drilling the properties of	5350 5425  349-8131) at 8:00 a.m. whis and amounts of was a 6 1/4" hole, increase 6 1/4"	daily for previter and/or gase the T	D by 50' to account for any  Temp Log to be run going downhole at ailed directly to  It gas is encountered.  Frederick Rice
Proposed Total Depth DRILLING - Drilling reports are to be activity for the previous on casing and cement rule of Significant water fill up.  MUDLOGGING - None CORING - None CORING - None CORING - GR and Neute of faster than 60'/minute. brady@texaskeystone.coresting - Note results of MATER HAULING CO DRILLING CO	24 hours is to be un.  is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the of ALL gas checks	5225 5375  5625  aa, PA Office (ph # 724-3 reported including depted while drilling the point to ground surface. Density-Duel Induction-Be 68 GM/CC Fluid Density e job is completed.	5350 5425  649-8131) at 8:00 a.m. this and amounts of water 6 1/4" hole, increase 6 1/4"	daily for previter and/or gase the T	D by 50' to account for any  Temp Log to be run going downhole at ailed directly to
Proposed Total Depth DRILLING - Drilling reports are to be activity for the previous on casing and cement rulf Significant water Fill up.  MUDLOGGING - None CORING - None CORING - None CORING - Rand Neuten Appalachian Suite. Con faster than 60'/minute. brady@texaskeystone.co ESTING - Note results of MATER HAULING CO DRILLING CO CEMENTING CO CEMENTING CO	24 hours is to be un.  is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the of ALL gas checks	5225 5375  5625  aa, PA Office (ph # 724-3 reported including depted while drilling the properties of	5350 5425  349-8131) at 8:00 a.m. whis and amounts of was a 6 1/4" hole, increase 6 1/4"	daily for previter and/or gase the T	D by 50' to account for any  Temp Log to be run going downhole at ailed directly to  It gas is encountered.  Frederick Rice
Proposed Total Depth DRILLING - Drilling reports are to be activity for the previous on casing and cement rule of Significant water of	24 hours is to be un.  is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the of ALL gas checks	5225 5375  5625  aa, PA Office (ph # 724-3 reported including depted while drilling the ed while drilling the	5350 5425 349-8131) at 8:00 a.m. whis and amounts of ware 6 1/4" hole, increase 6 1/4"	daily for previter and/or gase the T	Temp Log to be run going downhole at ailed directly to  It gas is encountered. Frederick Rice Dave Wilson  Frederick Rice Rob Stump
Ord Elk  Sth Elk  Sth Elk  Sth Elk  Sth Elk  Sth Elk  Sth Elk  Stroposed  Stati Depth  Orilling reports are to be activity for the previous on casing and cement rule of Significant water  III up.  MUDLOGGING - None  CORING - None  CORING - None  CORING - None  CORING - OR and Neute of aster than 60'/minute. Or of aster than 60'/minut	24 hours is to be un.  is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the of ALL gas checks	5225 5375  5625  aa, PA Office (ph # 724-3 reported including depted while drilling the ed while drilling the	5350 5425 349-8131) at 8:00 a.m. whis and amounts of was a 6 1/4" hole, increase 6 1/4	daily for previter and/or gase the T	Temp Log to be run going downhole at ailed directly to  It gas is encountered. Frederick Rice Dave Wilson  Frederick Rice
AUDLOGGING - None CORING - None CORING - Oraster than 60'/minute. Drady@texaskeystone.co ESTING - Note results.co VATER HAULING CO CORING CO CEMENTING CO CEMENTING CO CERACTURING CO CORING CO	24 hours is to be un.  is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the of ALL gas checks	5225 5375  5625  aa, PA Office (ph # 724-3 reported including depted while drilling the ed while drilling the	5350 5425 349-8131) at 8:00 a.m. of the sand amounts of was the sand amounts of sand amounts of sand amounts of was the sand amounts of was the sand	daily for previter and/or gase the T	Temp Log to be run going downhole at ailed directly to  It gas is encountered.  Frederick Rice Dave Wilson  Frederick Rice Rob Stump Frederick Rice
Ord Elk  Sth Elk  Sth Elk  Sth Elk  Sth Elk  Stotal Depth  Orilling reports are to be activity for the previous on casing and cement rule of Significant water  If Significant water  III up.  MUDLOGGING - None  CORING - None  CORING - None  CORING - Rand Neuter  Run Appalachian Suite. Contact than 60'/minute. In the contact of the cont	24 hours is to be un.  is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the of ALL gas checks	5225 5375  5625  aa, PA Office (ph # 724-3 reported including dept ed while drilling the ed while drilling the Point to ground surface. Density-Duel Induction-Be 68 GM/CC Fluid Density e job is completed. s in driller's log book, ta Nabors, WV Whipstock  Nabors McJunkin Red Man Corp. Nabors Nabors	5350 5425 349-8131) at 8:00 a.m. whis and amounts of ware 6 1/4" hole, increase 6 1/4"	casing Point.	Temp Log to be run going downhole at ailed directly to  It gas is encountered. Frederick Rice Dave Wilson  Frederick Rice Rob Stump Frederick Rice Frederick Rice Frederick Rice Frederick Rice
Grd Elk  Sth Elk  Croposed  Cotal Depth  DRILLING -  Drilling reports are to be activity for the previous on casing and cement rule of Significant water  If Significant water  If Significant water  GRING - None  CORING - Note results of the control of the contr	24 hours is to be un.  T is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the of ALL gas checks	5225 5375  5625  aa, PA Office (ph # 724-3 reported including depted while drilling the ed while drilling the	5350 5425 349-8131) at 8:00 a.m. of the sand amounts of was the sand amounts of sand amounts of sand amounts of was the sand amounts of was the sand	casing Point.	Temp Log to be run going downhole at ailed directly to  It gas is encountered.  Frederick Rice Dave Wilson  Frederick Rice Rob Stump Frederick Rice
Grd Elk  Sth Elk  Croposed  Total Depth  DRILLING -  Drilling reports are to be activity for the previous on casing and cement rule of Significant water  If Significant water	24 hours is to be un.  T is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the of ALL gas checks  ging Charge	5225 5375  5625  aa, PA Office (ph # 724-3 reported including dept ed while drilling the	5350 5425 349-8131) at 8:00 a.m. whis and amounts of ware of the second of the secon	casing Point.	Temp Log to be run going downhole at ailed directly to  It gas is encountered. Frederick Rice Dave Wilson  Frederick Rice Rob Stump Frederick Rice HOME PHONE #
Grd Elk  Sth Elk  Proposed  Total Depth  DRILLING -  Drilling reports are to be activity for the previous on casing and cement rulf Significant water  If Significant water  If Significant water  If Significant water  GR SIGNING - None  CORING - None  LOGGING - OR and Neut  Run Appalachian Suite. Cono faster than 60'/minute. brady@texaskeystone.co  FESTING - Note results of NATER HAULING CO  DRILLING CO  DRILLING CO  DRILLING CO  CORING CO  CORIN	24 hours is to be un.  T is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the of ALL gas checks  ging I Charge upervisor	5225 5375  5625  aa, PA Office (ph # 724-3 reported including dept ed while drilling the	5350 5425 349-8131) at 8:00 a.m. whis and amounts of ware end of the sum of	casing Point.	Temp Log to be run going downhole at ailed directly to  It gas is encountered. Frederick Rice Dave Wilson  Frederick Rice Rob Stump Frederick Rice Frederick Rice Frederick Rice Frederick Rice
Grd Elk  Sth Elk  Proposed  Total Depth  DRILLING -  Drilling reports are to be activity for the previous on casing and cement rule of Significant water  If Significant water	24 hours is to be un.  T is encountered  tron from 7" Casing GR-Neutron-Comp I Density Matrix = 2.  com as soon as the of ALL gas checks  ging I Charge upervisor	5225 5375  5625  aa, PA Office (ph # 724-3 reported including dept ed while drilling the	5350 5425 349-8131) at 8:00 a.m. whis and amounts of ware end of the sum of	casing Point.	Temp Log to be run going downhole at ailed directly to  It gas is encountered. Frederick Rice Dave Wilson  Frederick Rice Rob Stump Frederick Rice HOME PHONE #
AUDLOGGING - None CORING - Note results CORING CO CORING	aing  Charge  upervisor  eline. To be in a contract of the con	5225 5375  5625  aa, PA Office (ph # 724-3 reported including dept ed while drilling the	5350 5425 349-8131) at 8:00 a.m. whis and amounts of ware of the sum of the	casing Point.	Temp Log to be run going downhole at ailed directly to  It gas is encountered. Frederick Rice Dave Wilson  Frederick Rice Rob Stump Frederick Rice HOME PHONE #
AUDLOGGING - None CORING CO CO	aing  Charge  upervisor  eline. To be in a contract of the con	5225 5375  5625  aa, PA Office (ph # 724-3 reported including dept ed while drilling the	5350 5425 349-8131) at 8:00 a.m. whis and amounts of ware end of the sum of	casing Point.	Temp Log to be run going downhole at ailed directly to  It gas is encountered. Frederick Rice Dave Wilson  Frederick Rice Rob Stump Frederick Rice HOME PHONE #
AUDLOGGING - None CORING - Note results CORING CO CORI	atron from 7" Casing GR-Neutron-Comp I Density Matrix = 2. com as soon as the of ALL gas checks ging I Charge upervisor eline Coordinator inager	5225 5375  5625  aa, PA Office (ph # 724-3 reported including dept ed while drilling the	5350 5425 349-8131) at 8:00 a.m. of this and amounts of was a few forms and amounts of was	casing Point.	Temp Log to be run going downhole at ailed directly to  It gas is encountered. Frederick Rice Dave Wilson  Frederick Rice Rob Stump Frederick Rice HOME PHONE #
AUDLOGGING - None CORING - Note results CORING CO CORING	atron from 7" Casing GR-Neutron-Comp I Density Matrix = 2. com as soon as the of ALL gas checks ging I Charge upervisor eline Coordinator inager	5225 5375  5625  aa, PA Office (ph # 724-3 reported including dept ed while drilling the	5350 5425 349-8131) at 8:00 a.m. whis and amounts of ware and amounts of ware at 6 1/4" hole, increase at 6 1/4" hole,	casing Point.	Temp Log to be run going downhole at ailed directly to  It gas is encountered. Frederick Rice Dave Wilson  Frederick Rice Rob Stump Frederick Rice HOME PHONE #
3rd Elk 4th Elk 5th Elk  Proposed Total Depth DRILLING - Drilling reports are to be activity for the previous on casing and cement refill up.  MUDLOGGING - None SURVEYS - None CORING - None LOGGING - GR and Neut	atron from 7" Casing GR-Neutron-Comp I Density Matrix = 2. com as soon as the of ALL gas checks ging I Charge upervisor eline Coordinator inager	5225 5375  5625  aa, PA Office (ph # 724-3 reported including dept ed while drilling the	5350 5425 349-8131) at 8:00 a.m. whis and amounts of ware and amounts of ware at 6 1/4" hole, increase at 6 1/4" hole,	casing Point. The to be e-mayer significant.	Temp Log to be run going downhole at ailed directly to  It gas is encountered.  Frederick Rice Dave Wilson  Frederick Rice Rob Stump Frederick Rice Frederick Rice HOME PHONE #

WW-2A			1). Date	<i>5</i> .			
(Rev. 6-07)				rator's Well	Number	Whitescarve	r No. 1
			2.) Opc	rator 5 vvcn	State	County	Permit
			3.) API	Well No.:	47-		
		STATE	OF WEST VIR	GINIA			
DEPA	ARTMENT OF E NOTICE A		AL PROTECT	TION, OFF			BAS
4) Surface Ow	ner(s) to be serve	d: Z	5) (a) Coal Op	erator			
(a) Name	Carol A. Rush	· ·	Name	N/A			
Address	RR 2 Box 202A		Address				
11/0/21/2/20	Thornton, WV 26440						
(b) Name			(b) Coal O	wner(s) with	Declara	tion	/
Address			Name	HCR Holdings	LLC et al		
			Address	701 Market Str	reet		
				St. Louis, Miss	ouri 63101		/
(c) Name			Name	Eastern Assoc	iated Coal Co	rp.	V
Address			Address	P.O. Box 1233			
				Charleston, W	V 25324		
<ol><li>6) Inspector</li></ol>	Bryan Harris			essee with [	Declaration	n	
Address	P.O. Box 157		Name	N/A			
	Volga, WV 26238		Address				
Telephone	304-553-6087						
40.0-120.0-1		PERSONS NA					
	ne lease or leases o	r other continuing	contract or contr	acts by which	I hold the	e right to extr	act oil and gas
OR Included is the	ne information requir	and by Chanter 20	Article & Section	n O(d) of the	Cada af M	(oot ) (inninia	/ n n)
Included is the	that as required und	ler Chanter 22-6	of the West Viro	inia Code I i	COOR OI V	vest virginia	(see page 2)
application, a loc	ation plat, and acco	mpanying docum	ents pages 1 thro	uah on t	ne above i	named partie	s by:
	Personal Serv	ice (Affidavit atta	ched)			partie	J.
		(Postmarked post		ed)			
0.00		otice of Publication					
I have re	ad and understand	Chapter 22-6 and	d 35 CSR 4, and	I agree to the	ne terms	and condition	ns of any permit
issued under this	application. under penalty of law	that I have nore	enally evenined	and am fam	lior with th		a annama a sa
this application f	orm and all attachm	ents and that ha	sed on my inqui	ry of those in	ıllar witn ti İdividuəle	immediately	n submitted on
obtaining the info	ormation, I believe th	at the information	is true, accurate	and complet	e.	armiculately	responsible for
I am awa	are that there are sig	gnificant penalties	for submitting fa	lse information	on, includi	ng the possib	oility of fine and
imprisonment.	OFFICIAL SEAL 5	10/-11 0	4				
West !	NOTARY PUBLIC	Well Operator By:	Texas Keystone, Inc.	01.		0	
S. A. D. De Line S.	MICHAEL A TAYLOR	Its:	Designated Agent	Ulm -	Shoc	May	
	rson Ridge Rd. Ellivere, WV 25071	Address	560 Epsilon Drive			1	
With	rnisson Expires August 5, 2021	1.10.50.50.50	Pittsburgh, PA 15238				
		Telephone	724-427-2216				
Subscribed and s	sworn before me this	101 day of	Ducan	ber	- 9 -		
	111	. 0	1				

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at <a href="mailto:depprivacyofficer@wv.gov">depprivacyofficer@wv.gov</a>

My Commission Expires
Oil and Gas Privacy Notice

Notary Public

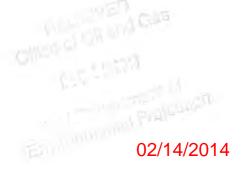
Well Work Permit Application WW-2A Additional Page Texas Keystone, Inc Whitescarver No. 1

## (b) Coal Owner(s) with Declaration

HCR Holdings, LLC et al was sent the WW-2A Coal Waiver by certified mail and after receiving, they informed us they sold to Patriot Coal Corp. We then sent the WW-2A Coal Waiver by certified mail to the following:



Patriot Coal Corp. 100 Toms Fork Road Eskdale, WV 25075



Book/Page

WW.	-2A1
(Rev.	1/11)

Operat	tor's	Well	Number	Whitescarver	No.
		The street was	1 1 2 2 1 1 1 1 2 2 2 2 2	The property of the party of th	

# INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6, Section 8(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Patty Jo Whitescarver & Shirley Diane R. Buley et al	Falcon Partners	1/8	149/641 - 647
			153/181
			149/623 - 639
Falcon Partners	Texas Keystone, Inc.	W.t.	By Assignment not of record
			SEE ATTACHMENT
			1

Grantee, Lessee, etc.

### Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby a cknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

Office of Oil and Gas

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways

Grantor, Lessor, etc.

- U.S. Army Corps of Engineers
- · U.S. Fish and Wildlife Service

initiated.

County Floodplain Coordinator

FEB 1 4 2014

M/V Department of

Royalty

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be ac quired from the appropriate aut hority before the affected activity is

Well Operator:

By: Its:

Texas Keystone, Inc.

Olin Shockey, Designated Agent

### PARTIAL ASSIGNMENT OF OIL AND GAS LEASE

KNOW ALL MEN BY THESE PRESENTS: That the undersigned, FALCON PARTNERS, P.O. Box 16092, Pittsburgh, Pennsylvania 15242, hereinafter called "ASSIGNOR", for and in consideration the receipt and sufficiency of which is hereby acknowledged, does hereby sell, assign, transfer, set over and convey unto TEXAS KEYSTONE, INC., 560 Epsilon Drive, Pittsburgh, Pennsylvania 15238 hereinafter called "ASSIGNEE", all of Assignor's right, title and interest in, to, and under (i) the oil and gas leases (the "Leases" hereunder) set out on Exhibit "A" attached hereto and made a part hereof, insofar and only insofar as said Leases cover, include and relate to the below named wellbore(s) and a 500 foot radius around said wellbore(s), to the extent the lease configuration allows, from the surface of the earth to all formations or "horizons" down to and including a depth of one hundred (100) feet below the base of the deepest formation producing from said wellbore(s) as of the date of each well's completion and any easements and rights-of-way under and created by the Leases and/or by the grants identified below, and (ii) the oil, gas and other gaseous substances that may be produced from said wellbore(s) only of said wellbore(s) and all surface and underground equipment and other personally and fixtures in or on the Leases used in connection with said wellbore(s), together with all rights of ingress or egress to the extent Assignor owns, possesses, and has the right to transfer same, and (iii) all currently existing rights under joint operating agreements, division orders, sale, purchase or exchange contracts, and processing or other agreements for the disposition of gas or oil production to the extent of the rights of Assignor to transfer same without securing any required consent to transfer. All leasehold rights not specifically assigned herein are excepted from this Assignment and retained and reserved to Assignor, it's successors and assigns.

Together with the rights incident thereto and the personal property thereto, appurtenant thereto, or used, or obtained, in connection therewith.

EXCEPTING AND RESERVING unto Assignor, its successors and assigns, that certain overriding royalty interest ("ORRI"). Such ORRI shall be defined as that decimal interest difference between the Lease burden royalty interest and 0.200 for each lease as set out on Exhibit "A", attached hereto and made a part hereof, from the sale of all oil, gas and other liquid and associated hydrocarbons produced, sold and saved from the aforementioned Oil and Gas Lease, free and clear of all expenses of drilling, testing, completion, operating costs, transportation or abandonment.

And for the same consideration, the Assignor covenants with the said Assignee, its successors and Assigns that Assignor has good right and authority to sell and convey the same and that said right, interest and property are free and clear from all liens and encumbrances.

IN WITNESS WHEREOF, the undersigned Assignor has signed and sealed this instrument, this 11th day of February , 2014.

WITNESS

FALCON PARTNERS:

Robert F. Kozel, Partner

COMMONWEALTH OF PENNSYLVANIA)

COUNTY OF ALLEGHENY

RECEIVED
Office of Oil and Gas

FEB 1 4 2014

(SEAL)

On this, the 11th day of February ,2014, before me, the undersigned officer, personally appeared Robert F. Kozel, who acknowledged himself to be a Partner of Falcon Partners and that he as such Partner, being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the Partnership by himself as Partner.

In Witness Whereof, I hereunto set my hand and official seal.

0

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

Ashley Phelps, Notary Public
O'Hara Twp., Allegheny County
My Commission Expires Sept. 6, 2016
EMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Prepared By and Return To: Texas Keystone, Inc. 560 Epsilon Dr. Pittsburgh, PA 15238

02/14/2014

## EXHIBIT A OF ATTACHMENT 1

FALCON PARTNERS LEASE AQUIRED FROM PATTY JO WHITESCARVER & SHIRLEY DIANE E. BULEY ET AL AS RECORDED ON BARBOUR COUNTY RECORD —

BOOK 149 PAGE 641 - 647

BOOK 153 PAGE 181

BOOK 149 PAGE 623-639

RECEIVED
Office of Oil and Gas

FEB 1 4 2014

WV Department of Environmental Protection

WW-2B1	
(5-12)	

Well No.	Whitescarver No. 1
----------	--------------------

# West Virginia Department of Environmental Protection Office of Oil and Gas

#### NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

atory Name	Reliance Laboratory				
ractor	Smith Land Surveying, Inc Environmental Division				
Texas Keystone	e, Inc.				
560 Epsilon Dri	ve				
Pittsburgh, PA	15238				
724-427-2216					
	Texas Keyston 560 Epsilon Dri Pittsburgh, PA				

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

NOTE: There appears to be 5 +/- potable water sources within 1500', therefore tests will be taken and samples offered as required.

WW-2B1 (5-12)

Well No. G. Whitescarver Heirs#1CEIVED

Office of Oil and Gas

## West Virginia Department of Environmental Protection Office of Oil and Gas

FEB 1 4 2014

### NOTICE TO SURFACE OWNERS

WV Department of

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name Test America

Sampling Contractor

Moody's & Associates

Well Operator

Texas Keystone, Inc.

Address

560 Epsilon Drive

Pittsburgh, PA 15238

Telephone

724-427-2216

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

S.O. Riddle & Y. Margaret 3089 Orchard Dr.

Huntington, WV 25791

Ellen Hamilton

Ernest Rush

RR 1 Box 202B

RT 1 Box 78 Grafton, WV 26354

Thornton, WV 26440

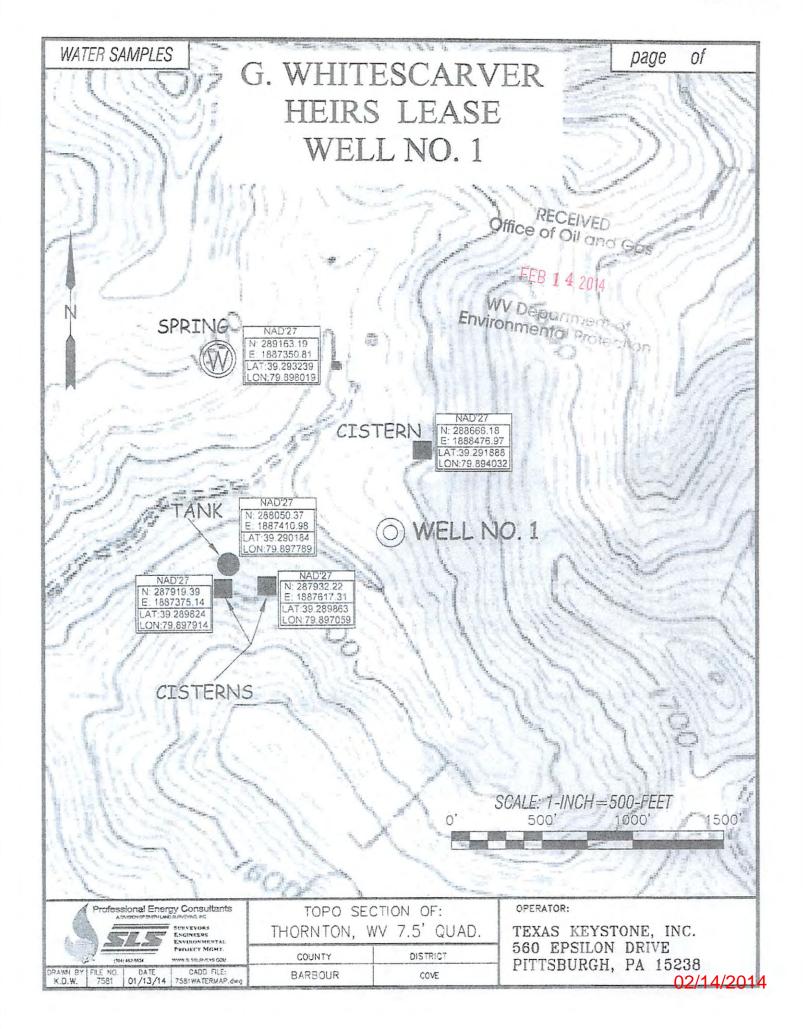
Earl Rush RT 1 Box 202D Thornton, WV 26440

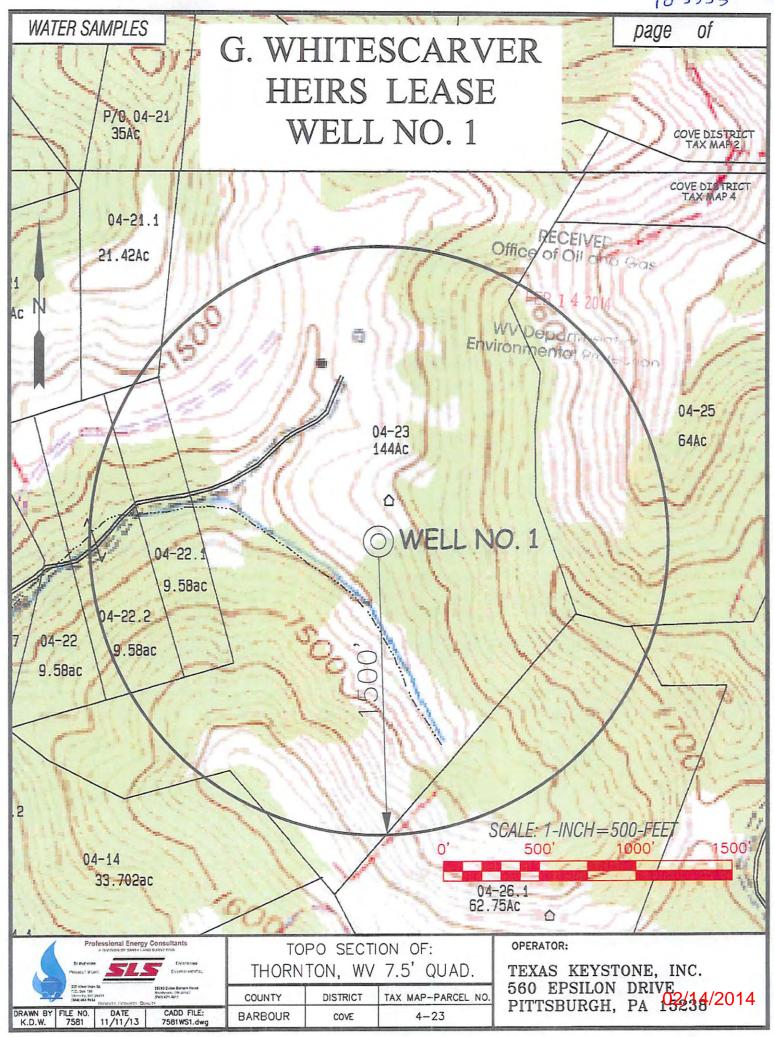
William W. Gragg & James E. Gragg

RT 1 Box 5

Thornton, WV 26440

Carol Rush RR 1 Box 202A Thornton, WV 26440





WW-9	
(5/13)	

	P	age	of
API Number 47		-	
Operator	s Well No.	Whitescarver	No. 1

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

	FLUIDS/ CUTTINGS DISP	OSAL & RECLAN	IATION PLAN		
Operator Name_Texas Keystor	ne, Inc.		OP Code 494458129		
Watershed (HUC 10)_Tributa	ary of Little Cove Run	Quadrangle _	Thornton 7.5'		
Elevation 1,456	County_Barbour		District_Cove		
Will a pit be used for drill cut	than 5,000 bbls of water to comp tings? Yes X No Drill Water e anticipated pit waste: Drill Water	_			
Will a synthetic line	r be used in the pit? YesX	No If s	o, what ml.? 20		
Proposed Disposal N	Method For Treated Pit Wastes:				
Ur Re Of	nd Application  Inderground Injection ( UIC Permi Insuse (at API Number	W-9 for disposal loc	ation)		
Will closed loop system be us	sed? No				
Drilling medium anticipated	for this well? Air, freshwater, oil	based, etc. Air			
	pe? Synthetic, petroleum, etc				
	ng medium? No				
	d? Leave in pit, landfill, removed				
	n to solidify what medium will be				3
	ame/permit number? _Camp Creek				
on August 1, 2005, by the Of provisions of the permit are law or regulation can lead to  I certify under pena application form and all att obtaining the information, I penalties for submitting false  Company Official Signature	alty of law that I have personall achments thereto and that, base believe that the information is information, including the possib	Triginia Department of any term or cond y examined and and on my inquiry true, accurate, and	of Environmental Protectition of the general perm in familiar with the info of those individuals im- complete. I am aware	ction. I understand the mit and/or other appler formation submitted of formediately responsib	nat the icable on this ele for
Company Official (Typed N	ame) Olin Shockey	$\bigcirc$			
Company Official Title Des	ignated Agent				
Subscribed and sworn before  My commission expires		Desemb	, 20 2		OFFICIAL SEAL NOTARY PUBLIC 5" A"E OF WEST VIRGON MICHAEL A TAY OLD
	A			annum Mar	PASON PROGRAM ENVIROR N

		LECEND	
Property Boundary	<del></del>	Diversion Contraction	
8 ond = = = = = =		Spring O	
Existing Fence — X —	_ × _ × _	Wei Spot	
Planned Fence / _	_/_/_	Drain Pipe with size in inches	
Stream		→ Waterway ← → ← →	$\Longrightarrow \; \Longleftrightarrow \; \Longleftrightarrow \;$
Open Ditch		> Cross Drain	
Rock ESSESSE	<b>3</b>	Artificial Filter Strip	****
North N	•	Pit: cut walls	
Buildings 🔐		Pit: compacted fill walls	Fried
Water wells W		Area for Land Application of P	it Waste
Drill site		<u> </u>	
			·
Fertilizer (10-20-20 d			EATSTING ACCESS ROAD
		Seed Mixtures	
Are		Are	ea II
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	ORCHARD GRASS	15
ALSIKE CLOVER	5	ALSIKE CLOVER	5
ANNUAL RYE	15		
Attach: Drawing(s) of road. location,p Photocopied section of involv Plan Approved by:	ed 7.5' topographic sheet.		
	yan v		Marine Street of Commission and Commission of the Commission of Commissi
Comments:			CONTROL CONTROL CO. A. C. MARCHINE CONTROL CON
h Million falls - Freedom in Gapta - Aparthalis - ear is - and a sound aparthalis again and a city is - in - an	Continues of the Contin		
Title: 0,4 + 6as	Inspedor	Date: 12-10-13	

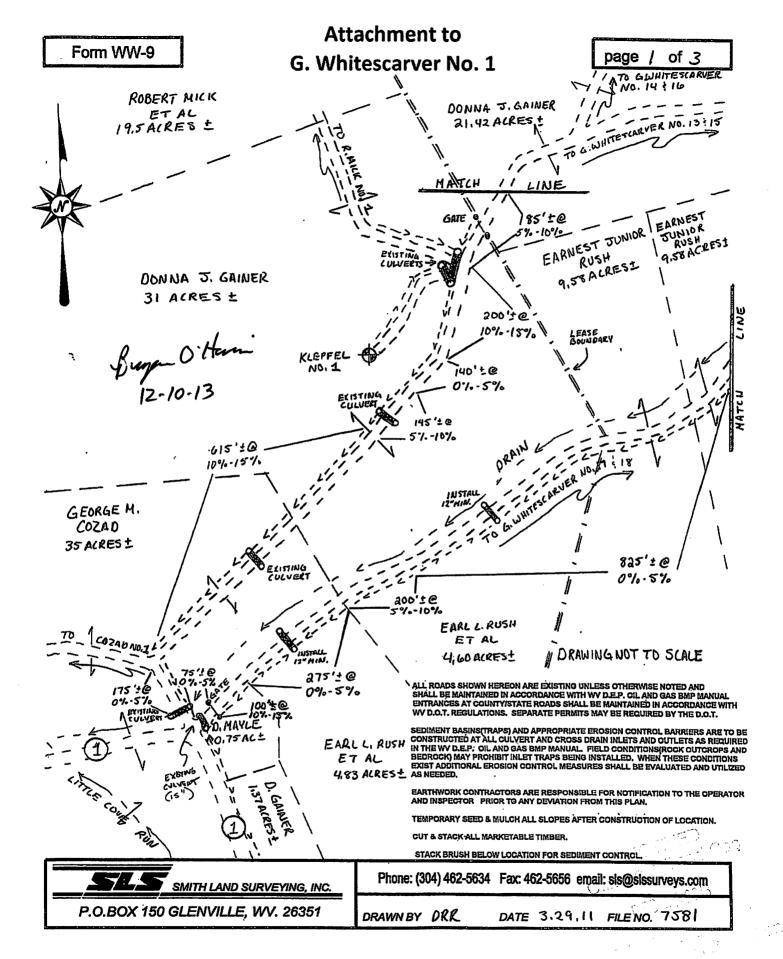
Attachment to Form WW-9 G. Whitescarver No. 1 page 2 of 3 Duga O'Hami 12-10-13 SEE ATTACHED REC PLAN TO HERE. EARL L. RUSH EXISTING ET AL CULVERT 144 ACRES ± 450'± @ 10%-15% 800'±@ To Whitescarver # 1 INSTALL دمووي 245 '±@ 0%-5% 425'1 @ EXISTING 5% -10% 125'±@ ~0002 15%-20% 175'± @ 10%-15% EARNEST JUNIOR RUSH 375'1@ 9.58 ACREST 0%-5% EARL L. RUSH, JR. 9.58 ACREST 50'±@ 10%-15% ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WY D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WY D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T. SEDIMENT BASINS(TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS BRAIN INLETS AND OUTLETS AS REQUIRED IN THE WY D.E.P. CIL AND GAS EMP MANUAL. FIELD CONDITIONS(RCCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS 7. EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED EARLL, RUSH ET AL 144 ALREST AS NEEDED. EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN. TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION. CUT & STACK ALL MARKETABLE TIMBER. DRAWING NOT TO SCALE STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL. Phone: (304) 462-5634 Fax: 462-5656 email: sls@slssurveys.com

DRAWN BY DRR

SMITH LAND SURVEYING, INC.

P.O.BOX 150 GLENVILLE, WV. 26351

DATE 3.29.11



Form WW-9

# G. Whitescarver Heirs Lease Well No. 1

page 3 of 3

Drawing Not To Scale Begge O'Ham' 12-10-13 See Attachel Woods Field To County Raads 15-20%

AL Roads shown hereon are excend unless otherwise notes and shall eighantained in accordance with WV D.E.P. Cil and oas bet manual entrances at countyratate roads shall eighantained in accordance with WV D.C.P. Reculations. Separate permits hat be required by the D.C.T.

Sediment Dasnagtraps) and appropriate erosion control Darriers are to be constructed at all culvent and cross brain inlets and cullets as reduced in the Wy DLP, colard gas east manual, feed conditionspicor culturops are effected may prohest truet traps being restalled, when these conditions busy additional erosion control measures shall be evaluated and utilized as needed.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

cuta Stackall Harketäble Timber

STACK BRUSIFEETOW LOCATION FOR SEDIMENT CONTROL.

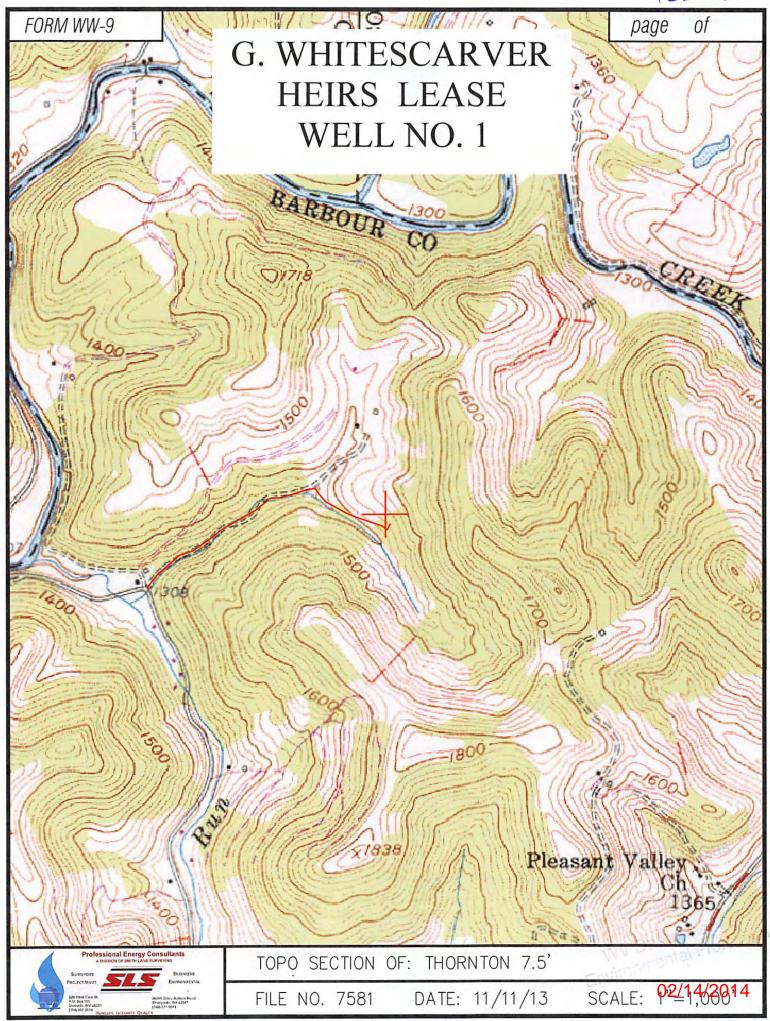


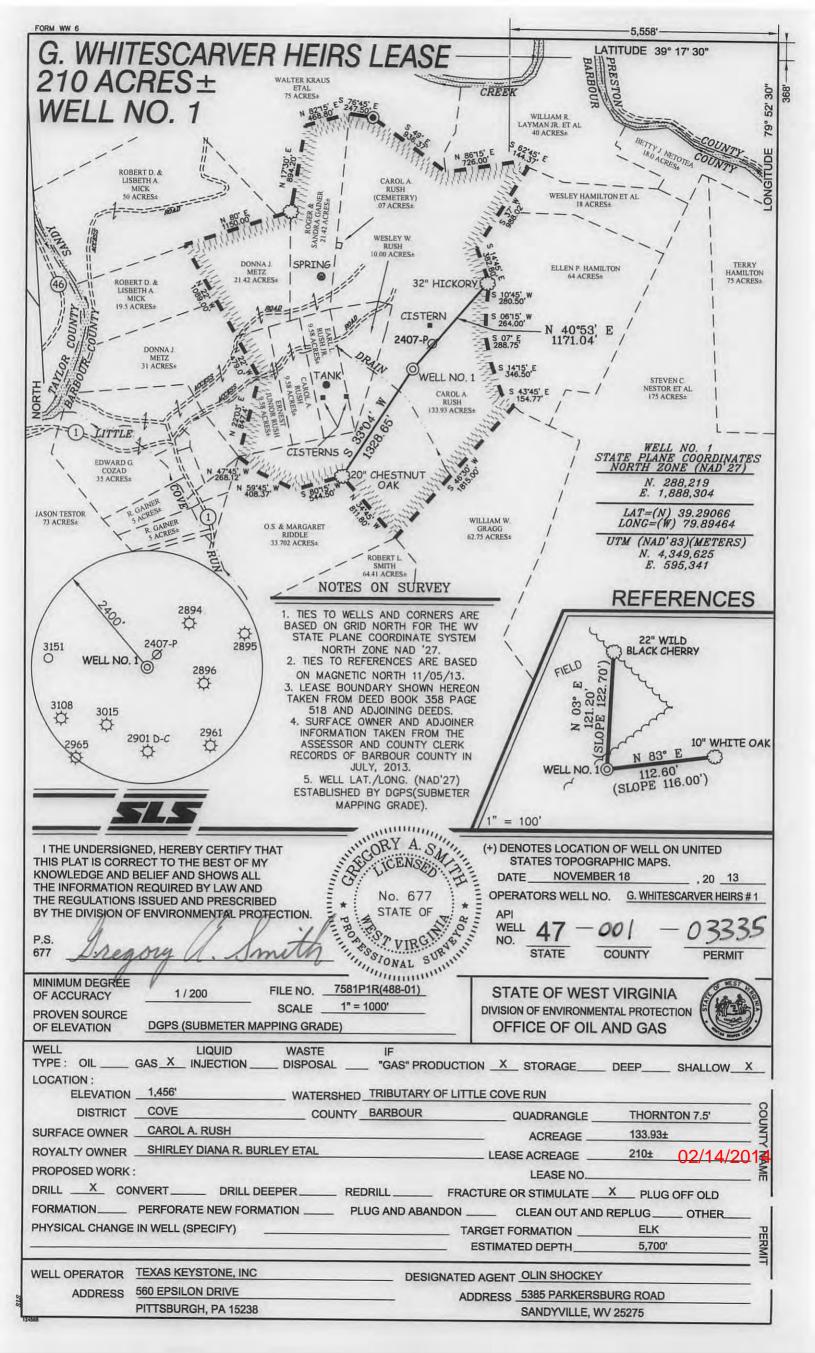
Phone: (304) 462-5634 Fax: 462-5656 email: sls@slssurveys.com

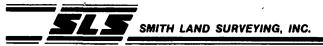
DRAWN BY MAS

DATE 11/5/13

FILE NO. 7581







#### P.O. BOX 150, GLENVILLE, WV 26351 (304) 462-5634 • FAX (304) 462-5656

				AX (304) 462-5656	12	ATE 2/11/13 TTENTION	јов no. 7581
•					G	ene Smith	
<b>)</b> :	WV DEP Office of Oil & Gas				. Whitescarver Leas	<u> </u>	
	601 57	th Street, S	E			-	- <del> </del>
	Charle	ston, WV	25304				
WE	ARE S	ENDING Y	OU 🛭 Atta	iched 🔲 Under separ	ate cover via		the following items:
		☐ Shop d	rawings	☐ Prints	☐ Plans	☐ Samples	☐ Specifications
		□ Сору о	f letter	☐ Change order	Ο		
	OPIES	DATE	NO.		DE	ESCRIPTION	
٣	1	DATE	NO.	Permit Application for			1
	1		-	Check #17840 for Per			
	-						
TUI	=QE AE	DE TDANS	MITTED as ch	necked below:			
					as submitted	☐ Resubmit_	copies for approval
		☐ For yo	•	☐ Approved			copies for distribution
		☐ As req	uested	☐ Returned	for corrections	☐ Return	corrected prints
		☐ For re	view and com	ment 🗆			
		☐ FOR E	BIDS DUE		20	PRINTS RETURN	IED AFTER LOAN TO US
RE	MARKS						
							· · · · · · · · · · · · · · · · · · ·
							<u>Pliquetta</u> Office of Officed Gas
	_	· · · · · · · · · · · · · · · · · · ·					
							DEC 192013

WW.	-2	4	1	
(Rev.	1/	1	1	١

Operator's Well Number Whitescar	ver No.	
----------------------------------	---------	--

# INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6, Section 8(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Patty Jo Whitescarver & Shirtey Diane R. Buley et al	Felcon Partners	1/8	149/641 - 647
			153/181 149/623 - 639
Falcon Partners	Texas Keystone, Inc.	W.I.	By Assignment not of record  SEE ATTACHMENT OF  PARTIM AGSIGNMENT OF  OIL & GAS LEASE

# Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby a cknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be ac quired from the appropriate aut hority before the affected activity is initiated.

Well Operator:

By:Its:

Texas Keystone, Inc.

Olin Shockey, Designated Agent

02/14/2014