

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452

Jim Justice , Governor Austin Caperton , Cabinet Secretary www.dep.wv.gov

Tuesday, October 31, 2017 WELL WORK PERMIT Vertical / Plugging

ALLIANCE PETROLEUM CORPORATION 4150 BELDEN VILLAGE AVENUE NW, SUITE 410

CANTON, OH 447182553

Re:

Permit approval for 3AJ WVGO1059

47-041-01097-00-00

This well work permit 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 any additional specific 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 of 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.

Per 35 CSR 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- 0450.

Operator's Well Number: 3AJ W

Farm Name: GOULD, A. J.

U.S. WELL NUMBER: 47-041-01097-00-00

Vertical / Plugging

Date Issued: 10/31/2017

Promoting a healthy environment.



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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

CONDITIONS

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. 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.
- 3. Well work activities shall not constitute a hazard to the safety of persons.
- 4. This well is under a consent order and must be plugged under the terms of that agreement.

4704101097

1) Date August 29 , 20 17 2) Operator's Well No. A.J. Gould #3 3) API Well No. 47-041 - 01097

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

ON 1801 10

	Location: El	evation 1147'	Watershed Hackers	Creek
	Di	strict Hackers Creek	County Lewis	Quadrangle Berlin
()	Well Operator	Alliance Petroleum Corporation	7)Designated Agen	t Dora Silvis
	Address	4150 Belden Village Ave. NW, Suite 410	Addres	S_4150 Belden Village Ave. NW, Suite 41
		Canton, OH 44718-2553		Canton, OH 44718-2553
3)			9)Plugging Contra	
	Name Barry S			Trucking and Dozer Service
	Address 28	geport, WV 26330	The state of the s	7 Hackers Creek Road khannon, WV 26201
	100' API class A	vice rig, RIH 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2	27' to 4327', and fro	m 4327' to 4227' over perfs
	100' API class A Perforations a Spot 100' cem	A cement plug on bottom 442 re 4376' to 4390' Benson ent plug over casing cut 30	27' to 4327', and fro . WOC, Fill from 4 000' to 2900', WOO	m 4327' to 4227' over perfs 227' to 3000' with 6% ge C, fill with 6% gel 2900' to
	100' API class A Perforations a Spot 100' cem Salt water stra	A cement plug on bottom 442 re 4376' to 4390' Benson	27' to 4327', and fro . WOC, Fill from 4 000' to 2900', WOO ot 100' cement pl	m 4327' to 4227' over perfs 227' to 3000' with 6% ge C, fill with 6% gel 2900' to ug 1147'-1047', spot
9	Perforations a Spot 100' cemer Salt water strandard 100' expandable 147'-100', Spot	re 4376' to 4390' Benson ent plug over casing cut 30 atum, elevation 1147', spole cement 1047'-947' WC 100' cement plug at surface of plug over co	27' to 4327', and from 4. WOC, Fill from 4. 000' to 2900', WOC of 100' cement place. Surface casing a, Install 30" monumeral 777'-7	m 4327' to 4227' over perfs 227' to 3000' with 6% ge 2, fill with 6% gel 2900' to ug 1147'-1047', spot g shoe 1050', Fill 6% gel nent, Complete reclamation 879° 2'5eam B
	Perforations a Spot 100' ceme Salt water stra 100' expandab 947'-100', Spot	re 4376' to 4390' Benson ent plug over casing cut 30 atum, elevation 1147', spole cement 1047'-947' WC 100' cement plug at surface of plug over co	27' to 4327', and from 4. WOC, Fill from 4. 000' to 2900', WOC of 100' cement place. Surface casing a, Install 30" monumeral 777'-7	m 4327' to 4227' over perfs 227' to 3000' with 6% ge C, fill with 6% gel 2900' to ug 1147'-1047', spot g shoe 1050', Fill 6% gel nent, Complete reclamation 179° 2' 5 cam B RECEIVED Gas
SE	Perforations a Spot 100' cem Salt water stra 100' expandab 947'-100', Spot	A cement plug on bottom 442 re 4376' to 4390' Benson ent plug over casing cut 30 atum, elevation 1147', spele cement 1047'-947' WC 100' cement plug at surface	27' to 4327', and from 4. WOC, Fill from 4. 000' to 2900', WOC of 100' cement place. Surface casing e, Install 30" monumeral 777'-7	m 4327' to 4227' over perfs 227' to 3000' with 6% ge C, fill with 6% gel 2900' to ug 1147'-1047', spot g shoe 1050', Fill 6% gel nent, Complete reclamation 179° 2° 5° 2000 B PECEIVED Gas Office of Oil and Gas

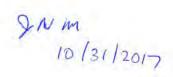
Operator: Alliance Petroleum Corporation

WW-4B 10) Work Order

- 1. Use contract service rig. TIH to TD with 2 3/8" work string. Spot gel. Set Class A bottom hole plug from 4427' to 4227' (above perforations). Perforations are from 4376' to 4390' (Benson).
- 2. TOOH or Trip up to 4000' and WOC. Tag plug. Add Class A cement if necessary.
- 3. Cut 4 ½" casing at freepoint, approximately 3850'. TOOH with 4 1/2" casing.
- 4. TIH with work string and add gel to 3850' and set a 100' Class A cement plug over cut to 3750'.
- 5. Gel hole to 2445' (Gas Show) and set 100' Class A cement plug from 2445' to 2345'.
- 6. Add gel to elevation (1147'). Set 200' Class A cement plug from 1147' to 947'.
- 7. Freepoint, cut and pooh with 8 ½" casing. If unable to pull casing with a force 150% greater than the weight of the casing, then perforate casing so you may cover all oil and gas shows, coal and water zones by filling the casing with Class A cement.
- 8. If casing was cut and pulled out of hole (POOH), then set a 100' Class A cement plug across casing cut.
- 9. Add gel if needed and set a 100' Class A cement plug from 800' to 700' across the coal (777'-779').
- 10. Add gel to bottom of 10" casing and try to pull 10" out of hole. If unable to pull then set a Class A Cement plug from 285' to 175'.
- 11. Gel to 100' and set a 100 Class A Cement plug to surface.
- 12. Install a minimum of 6" diameter casing extending 10' below grade to 30" above filled with concrete. Reclaim as necessary.

All cement plugs must be a minimum of 100' Class A cement with no more than 3 % CaCl2 and no other additives.

All other wellbore volumes must be filled with gel. Our definition of gel is fresh water with at least 6% bentonite, by weight.





47041010976

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

Quadrangle Terton 7,53

WELL RECORD

Company Indian "refilit Indian Casing and Used in Tubing Drilling Left in Well Packers	Address 3um						Oil Oi	Gas Well U.39
Packers Pack	Address 3um		. Ind.		0.1			IAINUI
Farm A.J. 3021M Acres Location (waters) Iquirol Ide Location (waters) Iquirol Location (waters) Iquirol Location (waters) Ide Locati					Casing and Tubing	Used in Drilling		Packers
Size	arm nava			res	-			
Note 1.0			I.1c'c	-	Size			
District Stift Street County 10 225 235 Size of	- 0		F	lev 11/71	16			Kind of Packer
1. 1. 1. 1. 1. 1. 1. 1.								Kind of Tacker
A. J.						226	225	St
Mineral rights are owned by Solo								Size of
Address 8 a 16 A 1427 14.77 17.77						10,0	11/33	
	lineral rights are	e owned by	S~E8					Depth set
Perf. bottom Perf. bottom Perf. bottom Perf. bottom Perf. top Perf. bottom Perf					E 3/F6_43	4/27	21.27	
Date Shot	rilling commence	ed 1	1/27/62		3			Perf. top
Date Shot	rilling completed		5/ 5/63		2			Perf. bottom
Perf. Deep Flow 67/10ths Water in 5/1	ate Shot	Fron	тото_		Liners Used			Perf. top
Size 10 10 10 10 10 10 10 1								
Casing Cemented Casing Cem		10the Water	. 5/1	Inch	****			rem bottom
CASING CEMENTED 5. SIZE Column					7	- 1	100	2/1//2
COAL WAS ENCOUNTERED AT FEET INCHES					CASING CEM	ENTED A	SIZE ZIX)	No. Ft. 703 Date
Dil	7,5111							
FEET INCHES FEET INCHE	lock Pressure				COAL WAS E	NCOUNTEDER	AT	FEET INCHES
FEET)il			obls., 1st 24 hrs.				
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1,100,000 1300 # 43 hrm. 1300 # 43					FEE	rINC	HES	_FEETINCHES
1,100,000 130	VELL FRACTUR	RED 3/13	63 37,300	Jelled Vate	r with 55,00	10 20-40 B	224	
130 # 43 lm. 130 m 43 lm. 130				100 000	•			
130 # 43 hm. 131 132 133 # 43 hm. 133 # 43 hm. 134 1	ESULT AFTER	TREATMEN	T					
Fresh Water				1300 # 49 h	rn.			
Formation Color Hard or Soft Top Bottom Oil, Gas or Water Depth Remarks					Salt Water		Fe	et
To To To To To To To To						Oil, Gas	T	
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13	Control of the Contro		145	Δ			-	
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137 255 1ater 131 CASING MINY 255 241 255 255 255 255 255 255 255 255 255 25			4) (200	10	13			
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100	into ine od moo': inte		3,100	10 13 103 137 205	13 103 137 205	later 13		CASING MAY 1
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10 10 10 10 10 10 10 10	Into inc od roo': late ice od role late			10 13 103 137 205 341 355 320	13 103 197 205 241 355 270 566	ater 13		CASING MAY 1
10to 2 shell	Into inc od roo': late ice od rock late late			10 13 103 137 205 341 355 330 556	13 103 197 205 241 355 270 566	ater 13		CEMENTED FA
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10to 2 shell 2005 2277 and 2279 2304 10to 2 shell 2004 7440	Into ice od roo': late ice od roo': late ide ide ide ide ide ind odl late i shell ide ond late i shell ide			10 13 103 137 205 343 355 390 556 754 777 779 160 80 90 1050 1140 1335 1515 1635 1635 1713	13 103 103 1037 205 203 355 370 566 777 779 160 1050 1140 1055 1635 1635 1635	ater 13	•	CEMENTED FA
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10th 4 pholi	into into into into into into into into			10 13 103 137 705 343 355 390 566 754 777 160 8030 1050 1140 1335 1515 1635 1635 1713 1030 1030 2075 2070 2070 2070	13 103 103 1037 205 241 205 277 279 100 1005 1140 1005 11705			CASING MAY A CEMBUTED FOR TO 4027'(
2637 4373 Office of Oil and Gas	nto ne nd mon; nte nd mon; nte nd rock nd nto 2 shell nd nte 0 shell nd nto 2 shell nd			10 13 103 137 705 343 355 356 754 777 779 160 8030 1050 1140 1235 1515 1635 1713 1730 1730 1730 2075 2070 2060	13 103 103 1037 205 241 205 277 279 100 1005 1140 1005 11705			CASING MAY A CEMBUTED FOR TO 4027'(

(over)

4704101097

Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth Found	Remarks
Bendon Sand Tisto & she iimo	11	i sur parah	4373 4393 4491 4421	4,373 4493 2/27			
				e			
						• 30	
			*				
						d	RECEIVED to of Oil and Gas T 0 3 2017 V Department of onmental Protecti

	Date	, 19
APPROVED_		, Owner
Ву		
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11/0**3**/2017

WVGES O&G Record Reporting System



Select County: (041) Lewis Select datatypes: (Check All) Plugging Location ☑ Production Enter Permit #: 01097 Owner/Completion Stratigraphy ☑ Sample Get Data Reset Pay/Show/Water Logs Btm Hole Loc

WV Geological & Economic Survey

Well: County = 41 Permit = 01097

Report Time: Monday, October 30, 2017 2:04:31 PM

 Location Information:
 View Map

 API
 COUNTY PERMIT TAX_DISTRICT QUAD_75 QUAD_15 LAT_DD
 LON_DD
 UTME
 UTMN

 4704101097
 Lewis
 1097
 Hackers Creek
 Berlin
 Weston
 39,019056
 -80,357084
 555556,5
 4319087.9

There is no Bottom Hole Location data for this well

API CMP_DT SUFFIX 4704101097 3/6/1963 Original Loc STATUS SURFACE_OWNER_WELL_NUM_CO_NUM_LEASE_LEASE_NUM_MINERAL_GWN_OPERATOR_AT_COMPLETION_PROP_VD_PROP_TRGT_FM_TFM_EST_PR_Completed_Arnold J Gould 3 Union Drilling, Inc.

FINAL_CLASS TYPE RIG Development Well Gas unkn DEEPEST_FM DEEPEST_FMT INITIAL_CLASS

 Pay/Show/Water Information:

 API
 CMP_DT_ACTIVITY
 PRODUCT
 SECTION_DEPTH_TOP_FM_TOP_DEPTH_BOT_FM_BOT_GBEF_GAFT_OBEF_OAFT_WATER_QNTY

 4704101097
 3/6/1963 Water
 Fresh Water
 Vertical
 18

 4704101097
 3/6/1963 Pay
 Gas
 Vertical
 2445
 2447
 Fifth
 0
 0

 4704101097
 3/6/1963 Pay
 Gas
 Vertical
 4393 Benson
 0
 0

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
	Union Drilling, Inc.	1982	0	0	0	0	0	0	0	.0	0	0	0	0	0
	Union Drilling, Inc.	1983	.0	0	0	0	0	0	0	0	0	0	0	0	0
	Union Drilling, Inc.	1987	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Equitable Resources Exploration, Inc.	1988	0	0	0	0	0	0	0	0	0	0	. 0	0	0
4704101097	Equitable Resources Exploration, Inc.	1989	1.421	0	0	0	0	0	0	268	256	243	215	215	224
4704101097	Equitable Resources Exploration, Inc.	1990	1,421	0	0	0	0	0	0	268	256	243	215	215	224
4704101097	Equitable Resources Exploration, Inc.	1991	1,504	203	1,059	202	40	0	0	0	0	0	0	0	0
4704101097	Equitable Resources Exploration, Inc.	1992	1,928	251	190	192	155	164	138	167	168	49	132	115	207
4704101097	Equitable Resources Exploration, Inc.	1993	1,749	175	219	199	193	162	150	138	136	121	62	100	94
	Equitable Resources Exploration, Inc.	1994	1,090	86	148	111	106	133	124	108	105	60	41	21	47
4704101097	Equitable Resources Exploration, Inc.	1995	382	39	25	35	75	121	87	0	0	0	0	0	
4704101097	Enervest Operating, LLC	1996	1,328	86	74	100	113	41	86	91	0	142	237	157	201
	Enervest Operating, LLC	1997	1,565	145	135	170	132	116	133	132	96	101	109	61	235
4704101097	Enervest Operating, LLC	1998	1,392	202	160	155	118	152	128	127	97	101	113	12	27
4704101097	Enervest Operating, LLC	1999	1,378	10	98	57	124	160	104	145	136	125	132	150	137
4704101097	Enervest Operating, LLC	2000	1,453	114	104	145	170	162	157	121	140	55	132	65	88
	Enervest Operating, LLC	2001	1,285	142	100	104	53	117	123	135	100	95	106	105	105
	Enervest Operating, LLC	2002	1,574	118	58	117	137	102	133	88	170	176	199	146	130
4704101097	Enervest Operating, LLC	2003	1,442	172	62	88	156	201	170	167	148	116	80	44	38
4704101097	Seneca-Upshur Petroleum Corp.	2004	1,187	55	61	145	124	163	142	105	121	100	60	24	87
4704101097	Seneca-Upshur Petroleum Corp.	2005	967	65	56	125	98	114	111	96	113	83	47	59	0
	Seneca-Upshur Petroleum Corp.	2006	210	59	0	0	0	0	0	0	0	0	14	131	6
	Seneca-Upshur Petroleum Corp.	2007	50	0	0	0	0	0	3	36	7	2	D	0	2
4704101097	Seneca-Upshur Petroleum Corp.	2008	123	3	3	0	0	0	0	13	40	33	24	7	
	Seneca-Upshur Petroleum Corp.	2009	42	0	0	0	0	0	3	В	18	9	4	0	0
4704101097	Seneca-Upshur Petroleum Corp.	2010	339	3	0	10	4	33	49	59	56	34	42	21	28
4704101097	Petroleum Development Corp.	2011	36	12	0	0	23	1	0	0	0	0	0	0	0
4704101097	Seneca-Upshur Petroleum, LLC	2012	0	0	0	0	0	0	0	0	0	. 0	0	0	0
4704101097	Alliance Petroleum Corporation	2016	0	0	0	0	0	0	n	0	0	0	0	0	

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DCM
4704101097	Union Drilling, Inc.	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
	Union Drilling, Inc.	1983	0	0	0	0	0	0	0	0	0	0	0	0	. 0
4704101097	Union Drilling, Inc.	1987	0	0	0	0	0	0	0	0	0	0	0	0	. 0
4704101097	Equitable Resources Exploration, Inc.	1988	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Equitable Resources Exploration, Inc.	1989	0	0	0	0	0	0	0	0	0	0	. 0	0	0
4704101097	Equitable Resources Exploration, Inc.	1990	0	0	0	0	. 0	0	0	0	0	0	0	0	0
4704101097	Equitable Resources Exploration, Inc.	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Equitable Resources Exploration, Inc.	1992	0	0	0	0	0	0	0	0	0	0	0	0	. 0
4704101097	Equitable Resources Exploration, Inc.	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Equitable Resources Exploration, Inc.	1994	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	Equitable Resources Exploration, Inc.	1995	. 0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Enervest Operating, LLC	1996	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Enervest Operating, LLC	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Enervest Operating, LLC	1998	0	0	0	0	0	0	0	0	.0	0	0	0	0
	Enervest Operating, LLC	1999	0	0	0	0	0	. 0	0	0	0	0	0	0	0
4704101097	Enervest Operating, LLC	2000	0	0	.0	0	0	0	0	0	0	.0	0	0	0
4704101097	Enervest Operating, LLC	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Enervest Operating, LLC	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Enervest Operating, LLC	2003	0	. 0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Seneca-Upshur Petroleum Corp.	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Seneca-Upshur Petroleum Corp.	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Seneca-Upshur Petroleum Corp.	2006	0	0	0	0	0	. 0	0	0	0	0	0	0	0
4704101097	Seneca-Upshur Petroleum Corp.	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Seneca-Upshur Petroleum Corp.	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Seneca-Upshur Petroleum Corp.	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
	Seneca-Upshur Petroleum Corp.	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Petroleum Development Corp.	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
	Seneca-Upshur Petroleum, LLC	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4704101097	Alliance Petroleum Corporation	2016	0	1		-			_		-				-

Production NGL Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API PRODUCING_OPERATOR PRD_YEAR ANN_NGL JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DCM
4704101097 Alliance Petroleum Corporation 2016 0

Production Water Information: (Volumes in Gallons)

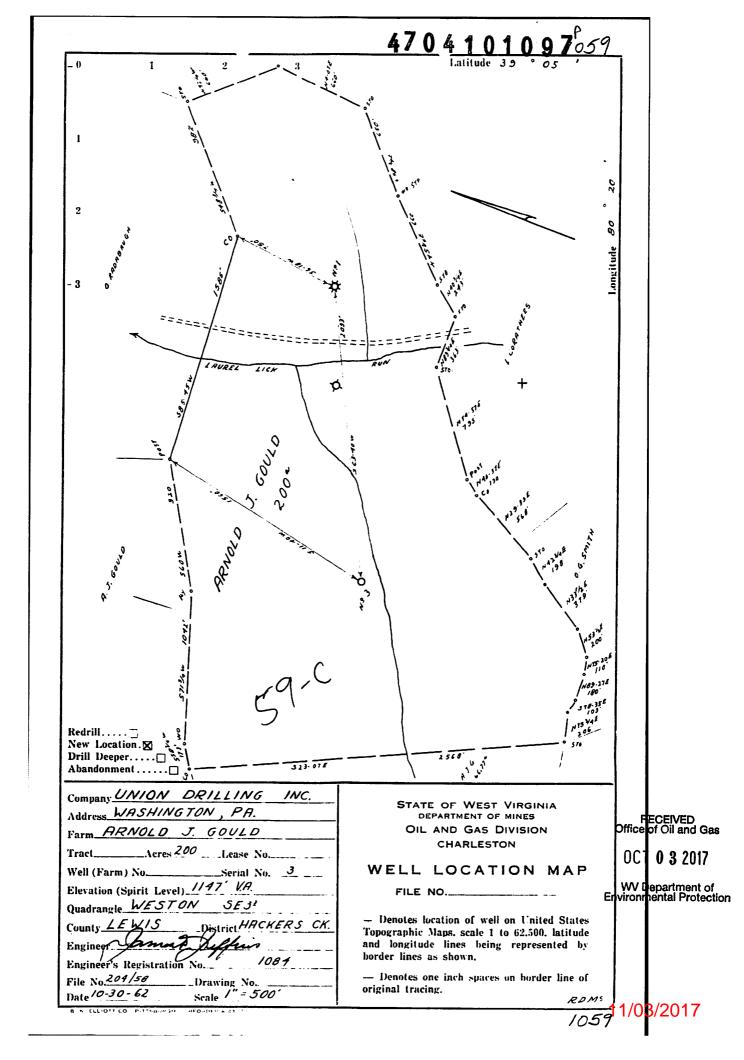
API PRODUCING_OPERATOR PRD_YEAR ANN_WTR JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DCM
4704101097 Alliance Petroleum Corporation 2016 0

API	SUFFIX	FM	FM_QUALITY	DEPTH TOP	DEPTH QUALITY	THICKNESS	THICKNESS QUALITY	ELEV	DATUM
4704101097	Original Loc	Kittng Ss/E Lynn Sd	Past WVGES Staff Geologst	754	Reasonable	23	Reasonable	1147	Ground Level
4704101097	Original Loc	Lo Kittanning coal	Past WVGES Staff Geologst	777	Reasonable	2	Reasonable	1147	Ground Level
4704101097	Original Loc	Homewd Ss/2n Cow Run	Past WVGES Staff Geologst	860	Reasonable	130	Reasonable	1147	Ground Level
4704101097	Original Loc	Webster Springs	Past WVGES Staff Geologst	1605	Reasonable	30	Reasonable	1147	Ground Level
		Greenbrier Group	Well Record	1635	Reasonable	195	Reasonable	1147	Ground Level
4704101097	Original Loc	Big Lime	Well Record	1635	Reasonable	78	Reasonable	1147	Ground Level
4704101097	Original Loc	Keener	Well Record	1713	Reasonable	0	Ostnble Pick	1147	Ground Level
4704101097	Original Loc	Berea Ss	Well Record	1930	Reasonable	0	Ostrible Pick	1147	Ground Level
4704101097	Original Loc	Gordon	Past WWGES Staff Geologst	2279	Reasonable	25	Reasonable	1147	Ground Level
4704101097	Original Loc	Fifth	Past WVGES Staff Geologst	2440	Reasonable	20	Reasonable	1147	Ground Level
4704101097	Original Loc	Benson	Past WWGES Staff Geologst	4373	Reasonable	20	Reasonable	1147	Ground Level

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well



WW-4A Revised 6-07

2) Operator's Well Numb	er		
	A.J. Gould #3		
3) API Well No : 47 -	041	- 1	01097

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

		Coal Operator	
(a) Name	Brenda L. Gould et al	Name	Y
Address	4594 Kingwood Pike,	Address	
	Reedsville, WV 26457		
(b) Name	Helen Sue Henderson and James William Henderson	(b) Coal Ow	vner(s) with Declaration
Address	5050 Hackers Creek Road	Name	Forest H. Lynch et al
	Weston, WV 26452	Address	244 Fairview Av.
			Beckley, WV 25801-13304
(c) Name		Name	
Address		Address	
6) Inspector	Barry Stollings	(c) Coal Les	ssee with Declaration
Address	28 Conifer Drive	Name	
	Bridgeport, WV 26330	Address	
Telephone	304-552-4194		

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas. West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

	Well Operator	Alliance Petroleum Corporation	
VEST OFFICIAL SEAL	By:	David Dean	
NOTARY PUBLIC STATE OF WEST VIRGINIA	Its:	VP Production	-CEIVED G
Hartsel E. McCauley	Address	4150 Belden Village Ave. NW, Suite 410	RECEIVED GO
1997 Old Weston Rd. Buckhannon, WV 26201		Canton, OH 44718-2553	0000
My Commission Evnings November 49 9040	Telephone ,	304-614-2963	UC1 03 50
Subscribed and sworn before me this	22Nd de	ay of September 2017 Notary Public	WV Departmental Pro

Oil and Gas Privacy Notice

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 depprivacyoffier@wv.gov.

WW-9 (5/16)

API Number 47 - 041 _01097 Operator's Well No. A.J. Could#3

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name_ Alliance Petroleum Corporation	OP Code 494506333
Watershed (HUC 10) Hackers Creek	Quadrangle Berlin
Do you anticipate using more than 5,000 bbls of water to cor	nplete the proposed well work? Yes No V
Will a pit be used? Yes V No	
If so, please describe anticipated pit waste: 198 bl	ols
Will a synthetic liner be used in the pit? Yes	No If so, what ml.? 20 ml.
Proposed Disposal Method For Treated Pit Wastes:	
Land Application (if selected prov	vide a completed form WW-9-GPP)
Underground Injection (UIC Per	mit Number)
Reuse (at API Number_)
Off Site Disposal (Supply form V Other (Explain	VW-9 for disposal location)
Citier (Explain_	
Will closed loop systembe used? If so, describe:	
Drilling medium anticipated for this well (vertical and horizon)	ental)? A in freehouston oil based etc. No drilling enticipated
-If oil based, what type? Synthetic, petroleum, etc.	DECEIVED. COS
	Office of Oil and
Additives to be used in drilling medium?	OCT 0-3 2017
Drill cuttings disposal method? Leave in pit, landfill, remove	ed offsite, etc. Leave in ph
-If left in pit and plan to solidify what medium will	be used? (cement, lime, sawdust) (ement Environmental Plotes
-Landfill or offsite name/permit number?	WECD U/C# 200930301
Permittee shall provide written notice to the Office of Oil an	d Gas of any load of drill cuttings or associated waste rejected at any
West Virginia solid waste facility. The notice shall be provid	led within 24 hours of rejection and the permittee shall also disclose
where it was properly disposed.	
Leartify that Lundars tand and agree to the terms an	ad conditions of the GENERAL WATER POLLUTION PERMIT issued
	Virginia Department of Environmental Protection. I understand that the
	of any term or condition of the general permit and/or other applicable law
or regulation can lead to enforcement action. Licertify, under penalty of law that I have persons	ally examined and am familiar with the information submitted on this
	on my inquiry of those individuals immediately responsible for o braining
	rate, and complete. I am aware that there are significant penalties for
submitting false information, including the possibility of fine	or imprisonment.
Company Official Signature	
Company Official (Typed Name) David Dean	
Company Official Title Vice President Production	
Subscribed and sworn before me this 22nd day of	September 20/7
Subscribed and sworn before me this 22nd day of Malaly My commission expires November 12, 2	Notary Public OFFICIAL SEAL NOTARY PUBLIC
	STATE OF WEST VIRGINIA Hartsel E. McCauley
My commission expires November 12, 2	1997 Old Weston Rd. Buckhannon, WV 26201 My Commission Expres Nevember 12
	My Complision Expres Nevember 12

Operator's Well No. A.J. Could#3

14 Turns	Taxabaa aa		
	Tons/acre or to cor	rect to pH 0.0	
Fertilizer type 10-2			
Fertilizer amount 60	0	lbs/acre	
Mulch 2		Tons/acre	
		Seed Mixtures	
Ten	porary	Perma	nent
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	12	Orchard Grass	12
Birdsfoot Trefoil	10	Birdsfoot Trefoil	10
Domestic Rye	10	Domestic Rye	10
	it will be land applied, page land application area.		W, D) of the pit, and di
Maps(s) of road, location, pit provided). If water from the p L, W), and area in acres, of the Photocopied section of involve	it will be land applied, per land application area.	orovide water volume, include dimensions (L,	W, D) of the pit, and dir
Maps(s) of road, location, pit provided). If water from the p. L. W), and area in acres, of the Photocopied section of involved Plan Approved by:	it will be land applied, per land application area.	provide water volume, include dimensions (L,	W, D) of the pit, and dir
Maps(s) of road, location, pit provided). If water from the p L, W), and area in acres, of the Photocopied section of involve	it will be land applied, per land application area.	orovide water volume, include dimensions (L,	W, D) of the pit, and di
Maps(s) of road, location, pit provided). If water from the p. L. W), and area in acres, of the Photocopied section of involved Plan Approved by:	it will be land applied, per land application area.	orovide water volume, include dimensions (L,	W, D) of the pit, and dir
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Maps(s) of road, location, pit provided). If water from the p. L. W), and area in acres, of the Photocopied section of involved Plan Approved by:	it will be land applied, per land application area.	orovide water volume, include dimensions (L,	W, D) of the pit, and directly office of the OCT WY Environ

WW-9- GPP Rev. 5/16

	Page	1 of 2
API Number 47	- 041	- 01097
Operator's Well N	io. A.	J. Gauld #2

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS GROUNDWATER PROTECTION PLAN

perator Name: Alliance Petroleum Corporation	
Vatershed (HUC 10): Hackers Creek	Quad: Berlin
arm Name: AJ. Gould#3	
 List the procedures used for the treatment and disch groundwater. 	narge of fluids. Include a list of all operations that could contaminate the
	ids in the pit to obtain the proper PH 6.5. Rig and not remove casing, pumping cement and gel, mixing of anks.
Describe procedures and equipment used to protect §	groundwater quality from the list of potential contaminant sources above.
[1] 이렇게 되었다면 하는 사람들이 아니라 하는 사람들이 되었다면 하는데	d drainage to a constructed lined pit. Silt fences will be the Laurel Lick drainage area from storm water.
List the closest water body, distance to closest wa discharge area.	ter body, and distance from closest Well Head Protection Area to the
The closest water body is Laurel Lick. The	e distance to Laurel Lick is 75'.
Summarize all activities at your facility that are alrea	ady regulated for groundwater protection.
	ter casing cemented to surface protecting fresh water condary containment. Activities at the site are limited
	RECEIVED Office of Oil and G
	OCT 0 3 2017

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

11/03/2017

WV Department of Environmental Protection WW-9- GPP Rev. 5/16

	Page	2	of	2
API Number 47 -		-	01097	4
Operator's Well N	lo. A.	J. 6	out	1#2

	rea is nearby the well site. Extra precaution will be noted to eliminate an ering the drainage area.		
Provide a statement that no waste material will be used for deicing or fill material on the property.			
lo waste material will	be used for deicing or fill material on the property.		
	protection instruction and training to be provided to the employees. Job procedures shall be prevent groundwater contamination.		
	alled around the work area. A pit will be constructed and a ditch from the contain any fluid from the work area.		
Provide provisions and fre	quency for inspections of all GPP elements and equipment.		
	vill be completed each day on the job site to discuss the procedures, of all GPP elements and equipment.		

Date:

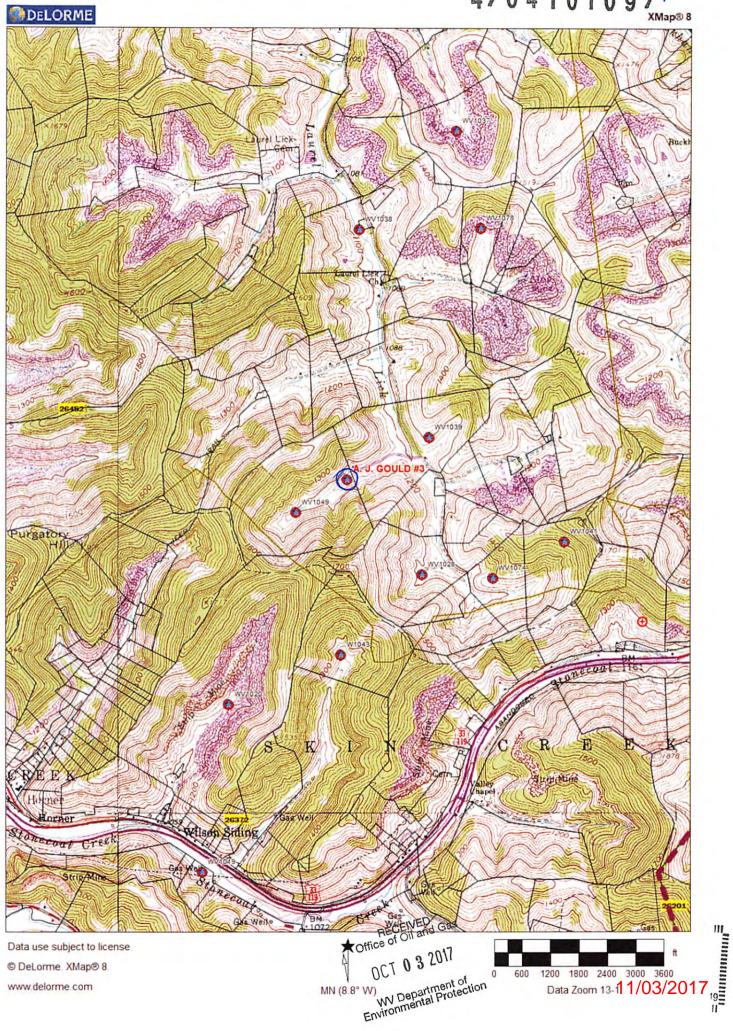
Signature:

RECEIVED Office of Oil and Gas

OCT 0 3 2017

WV Department of Environmental Protection

11/03/2017





West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCA	ION FORM: GPS
_{API:} 47-041-01097	WELL NO.: 3
FARM NAME: A.J. Gould	
	ance Petroleum Corporation
COUNTY: Lewis	Hackers Creek
QUADRANGLE: Berlin	
SURFACE OWNER: Brenda L. Gould et al,	Helen Sue Henderson and James William Henderson
ROYALTY OWNER: Brenda L. C	Sould, Helen Sue Henderson
UTM GPS NORTHING: 555606	
UTM GPS EASTING: 4319109	GPS ELEVATION: 1147'
above well. The Office of Oil and Gas will the following requirements:	gging permit or assigned API number on the not accept GPS coordinates that do not meet orth, Coordinate Units: meters, Altitude: SL) – meters.
	fferential
Mapping Grade GPS X: Post Proce	
Real-Time	Differential X RECEIVED Office of Oil and Gas
4. Letter size copy of the topogra I the undersigned, hereby certify this data i belief and shows all the information require prescribed by the Office of Oil and Gas. Signature	aphy map showing the well location. s correct to the best of my knowledge and