## Kansas Department of Agriculture Division of Water Resources

### **CHANGE: P/D WORKSHEET**

1. File Number:	2. Status Change Date:	3. Change Num:	4. Field Office:	5. GMD:
12872	12-14-2021	C1	4	3
6. Status: ☐ Approved ☐ Deni	ed by DWR/GMD	Dismiss by Reques	t/Failure to Return 7	7. Filing Date of Change:
				11/30/2021
8a. Landowner, WUC, Applicant(s) New to system □	Person ID 36176 Add Seq#	8c. Landowne		PersonAdd Seq#
GALE V FRANK 405 WW RD COPELAND, KS 67837				
8b. Landowner(s), New to system ⊠	Person IDAdd Seq#	8d. WUC New to sy	stem □	Person IDAdd Seq#
9. Documents and Enclosure(s): 🛛 DV	VR Meter(s) Date to Compl	y: <b>12/31/2022</b>	N & P Date to C	omply: <b>3/1/2023</b>
☐ Anti-Reverse Meter ☐ Meter	Seal	⊠ N & P Form	☑ Water Tube ☐ Dril	ler Copy 🛛 H & E Letter
☐ Conservation Plan Date Require	ed: Da	te Approved:	Date to C	Comply:
10. Use Made of Water From:		To: _		
			Date Prepared: <b>12/14/2</b> Date Entered:	8 <b>021</b> By: <b>MAM</b> By:

File No.	12872	2	11. County	: HS	Ва	ısin: AF	RKAN	SAS R	IVER			S	tream:								rmation Code 1/331	Special Use	e:
12. Points of Diversion CHK MOD DEL PDIV					R	ID		·N	100		Com	mont	(AKA	Lino		Α	Authori	uantity zed Quantit			dditional	v.	
ENT		Qualifier		1				IN	VV		Com	ment	(AKA	Line)		Rate gpm		af	y 	Rate gpm		Overlap PD Files	
DEL	17300																						
ENT		NWNWSW	4	27S	31W		2	552	481	8						1020	0	260		1020	260	12892	
13. Storage: RateNF Quantityac/ft Additional RateNF Additional Quantityac/ft												ac/ft											
14. Limit	14. Limitation: af/yr at gpm ( cfs) when combined with file number(s)																						
Limit	tation:		af/yr	at				gpm (_				cfs) wl	hen co	mbine	ed with	file nu	umber	(s)					
15. 5YR	Allocation	: Allocation	Туре	_ St	tart Yea	r		5 YR	Amou	nt		Amo	ount U	nit	_	Base	Acres		_ C	mment _			
CHK	ce of Use				N	NE1/4			NW¹/₄			SW1/4				SE1/4				Total	Owner C	chg? Overlap Files	
MOD DEL ENT	PUSE	STR	ID	NE 1⁄4		SW 1/4	SE 1/4	NE 1⁄4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1⁄4	NW 1/4	SW 1/4	SE 1/4				
CHK 2																					1		
Base Ac		Year:	N	/linimu	m Reas	onable	Quar	ntity:															

Garden City Field Office 4532 W. Jones, Suite B Garden City, KS 67846



Phone: 620-276-2901 Fax: 620-276-9315 www.agriculture.ks.gov

Mike Beam, Secretary

Laura Kelly, Governor

December 14, 2021

GALE V FRANK 405 WW RD COPELAND, KS 67837

RE:

Field Office Application for Change

19218

Water Right, File Nos. 3666, 12872, 1289214232, 19128, 44090

Dear Sir:

Enclosed are orders executed by the designee of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the application for change under the above referenced file numbers.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this approval for change. A condition of this approval is that an acceptable water flow meter must be installed on the diversion works authorized under the referenced file number and meet current specifications. Please return the required notification of completion of the diversion works and installation of the required meter as soon as these actions are completed.

Since the orders modify the original documents referred to above, they should be recorded with the Register of Deeds as other instruments affecting real estate.

The abandoned well must be plugged in accordance with the requirements of Article 30 of the Rules and Regulations as adopted by the Kansas Department of Health and Environment.

Should you have any questions, please feel free contact this office. If you would prefer, you could arrange an appointment for additional assistance.

Sincerely,

Michael A. Meyer

Water Commissioner

MAM enclosures

pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

### CERTIFICATE OF SERVICE

On this 14<sup>th</sup> day of December 2021, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 3,666, 12,872, 12,892, 14,232, 19,128, 44,090 dated 14<sup>th</sup> day of December 2021 was mailed postage prepaid, first class, US mail to the following:

GALE V FRANK 405 WW RD COPELAND, KS 67837

Pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

Division of Water Resources Staff

Submit completed application to: Kansas Department of Agriculture Division of Water Resources Field Office for your area. Call for address:

Topeka -- (785) 296-5733 Stafford -- (620) 234-5311 Stockton -- (785) 425-6787 Garden City -- (620) 276-2901 http://agriculture.ks.gov/dwr

# DWR FIELD OFFICE APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF USE AND/OR THE POINT OF DIVERSION



### STATE OF KANSAS

Filing Fee Must Accompany the Application, K.S.A. 82a-708b(b), as amended. Fee Schedule is on the third page of this application form.

Paragraph Nos. 1, 2, 3 & 5 must be completed. Complete all other applicable portions. If change in point of diversion is greater than 100 feet, or if place of use will be changed, include a topographic map or detailed plat showing the authorized and proposed point(s) of diversion and/or place of use

or aiv	ersion a	палог р	iace o	use.														R	ECEIVE	ED
						F	ile No	. 1287	2									١	NOV 3 0 20	21
	Applicati		-			□ P	lace of	f Use		$\boxtimes$	Point	of Dive	ersion					Gard ivision	en City Field of Water Re	Office esources
	under the				s the s									ndition	s desc	ribed l	pelow.			
٦	The sour	ce of su	upply i	S:		⊠ G	round	water			Surfac	ce wat	er							
	Name ar 105 WW																			
F	Phone N	umber:	(	)					Email	addres	ss:									
1	Name ar	nd addre	ess of	Water	Use C	orresp	onden	t: <u>San</u>	ne as a	above										
F	Phone N	umber:	(	)					Email	addres	ss:									
	The pres																			
(	Owner o																			
,	16 11 !-			ESS:														/		
(	If there is	more tr	ian one			tach su	ippieme			necess	sary.)						$\overline{}$			
Sec.	Twp	Range	NE1/4	NW1/4	5W1/4	SE1/4	NE1/4	NW <sup>1</sup> / <sub>4</sub>	V1/4 SW1/4	SE1/4	NE1/4		V1/4 SW1/4	SE1/4	SE1/4 NW1/4 SI			SE1/4	TOTAL ACRES	
(	f this ap Owner o	f Land -	NA ADDR	AME: ESS:								ace of	use be	e chan	ged to	:				
(	If there is	more th	nan one	landov	vner, at	tach su	ppleme	ntal sh	eets as	neces	sary.)									
					1/4			NV	V1/4				V1/4				E1/4		TOTAL ACRES	
Sec.	Twp.	Range	NE1/4	MW1/4	SW <sup>1</sup> / <sub>4</sub>	SE1/4	NE1/4	NW¼	SW1/4	SE1/4	NE1/4	NW¼	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NONEO	
	For Offi	ce Use	Only:	Code		Fe	e \$ <u>10</u>	0.00	<u>)</u> TR	#		Re	eceipt	Date _	11-3	0-21	Chec	k#_1	574	

5.	Presently authorized point of diversion:		
	One in the Quarter of the	NW Quarter of the	SW Quarter
	of Section, Township	27 South, Range	31 W,
	in HASKELL County, Kansas, 2600 fe	et North4820 feet West	of Southeast corner of section.
	Authorized Rate Authorized Quantity	Depth of well	3 h0 (feet)
	(DWR use only: Computer ID NoO/ GPS		
	☐This point will not be changed ☐This point will be changed as		
	Proposed point of diversion: (Complete only if change is	requested or if existing poin	t is better described by GPS)
	One in the  Quarter of the	NW Quarter of the	SW Quarter
	of Section, Township	27 South, Range	31W,
	in HASKELL County, Kansas, 2552 fe		
	Proposed Rate Proposed Quantity	Proposed well de	pth (feet)
	This point is:  Additional Well Geo Center List other	water rights that will use this po	oint
6.	Presently authorized point of diversion:		
	One in the Quarter of the	Quarter of the	Quarter
	of Section, Township		
	in County, Kansas, fe		
	Authorized Rate Authorized Quantity		
	(DWR use only: Computer ID No GPS _		
	☐This point will not be changed ☐This point will be changed as		
	Proposed point of diversion: (Complete only if change is	/	
	One in the Quarter of the		
	of Section, Township	South, Range	(E/W).
	in County, Kansas, fe		
	Proposed Rate Proposed Quantity		
	This point is: Additional Well Geo Center List other		
7.	3		
	(please be specific)	300 200 100 N	orth 0 100 200 300
		5mlmhmhmhm.	Fundaminulunda.
			= 1 + 1 = 200
8.	If a well, is the test hole log attached? 🛛 Yes 🔲 No	200 + + + + +	$\frac{1}{2}$   $\frac{1}$
0	The above (a) (week) (will be) correlated by (2)		<b>1</b>
9.	The change(s) (was)(will be) completed by?	100 + 1 + 1	
		100 +   +   +	<u>=</u>   +   +   <del> </del> 100
10	If the point of diversion is a well:	<b>₽</b>	=
10.		West 0 +++	=
	(a) What are you going to do with the old well?	Westo Emilion   milion   milio	= 1000
		#	<u> </u>
		Η	
	(b) When will this be done?	100   +   +	$\frac{1}{2} + + + + + = 100$
	(b) When will this be done?	100 +   +   +	=   +   +   +   100
11			
11.	(b) When will this be done?  Groundwater Management District recommendation attached?  Yes No	200   +   +   +	=   +   +   100 =   -   -   200
11.	Groundwater Management District recommendation attached?	200	
	Groundwater Management District recommendation attached?	200	
12.	Groundwater Management District recommendation attached?  Yes No  Assisted by AT/GCFO	200 100	
12.	Groundwater Management District recommendation attached?  Yes No  Assisted by AT/GCFO  a.If the proposed point of diversion will be relocated more than 300	200	0 100 200 300 buth Scale: 1 hashmark=10 ft
12.	Groundwater Management District recommendation attached?  Yes No  Assisted by AT/GCFO  a. If the proposed point of diversion will be relocated more than 300 feet but within 2,640 feet of the existing point of diversion, attach a topographic map or aerial photograph. For groundwater	200 200 100 so 13b. If the proposed point of diversity foot radius of the existing point	0 100 200 300 scale: 1 hashmark=10 ft ersion will be relocated within a 300 bint of diversion, indicate its location
12.	Groundwater Management District recommendation attached?  Yes No  Assisted by AT/GCFO  a. If the proposed point of diversion will be relocated more than 300 feet but within 2,640 feet of the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile	200 200 100 so 13b. If the proposed point of diversity foot radius of the existing proposed point of diversity foot radius and the diagram shown about 13b. If the proposed point of diversity foot radius of the existing proposed point of the diagram shown about 15b.	200  100 200 200 200 200 200 200 200 200
12.	Groundwater Management District recommendation attached?  Yes No  Assisted by AT/GCFO  If the proposed point of diversion will be relocated more than 300 feet but within 2,640 feet of the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the	200 200 100 so  13b.If the proposed point of diversion. The proposed within the circle shown about the diagram shown about the	on 100 200 300 scale: 1 hashmark=10 ft point of diversion, indicate its location we in relation to the existing point of point of diversion must be located by e. (PLEASE NOTE: The "X" in
12.	Groundwater Management District recommendation attached?  Yes No  Assisted by AT/GCFO  a. If the proposed point of diversion will be relocated more than 300 feet but within 2,640 feet of the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing	200 200 100 so  13b.If the proposed point of diversion. The proposed within the circle shown about the diagram shown about the	0 100 200 300 obuth Scale: 1 hashmark=10 ft  ersion will be relocated within a 300 obint of diversion, indicate its location ve in relation to the existing point of point of diversion must be located ove. (PLEASE NOTE: The "X" in over represents the presently

14. If the proposed groundwater point of diversion is 300 or fewer feet from	m the existing point of diversion, complete the following:
(a) Does the undersigned represent all owners of the currently authors applied Yes ☐ No (If no, all owners must sign this applied Yes).	
<ul> <li>(b) Will the ownership interest of any owner of the currently author affected if this application is approved as requested?</li> <li>☐ Yes</li> <li>☐ No</li> <li>(If yes, all owners must sign this application)</li> </ul>	
(c) If this application is not approved expeditiously, will there be sub ☐ Yes ☐ No (If no, all owners must sign this application)	
If the application proposes a surface water change in point of diversion, a or a change in place of use, the application must be signed by all owners agent (attach notarized statement authorizing representation).	
I hereby verify, being first duly sworn upon my oath or affirm age and the owner, the spouse of the owner, or a duly authoritheir behalf, in regards to the water right(s) to which this application are true, correct and complete.	zed agent of the owner(s) to make this application on plication pertains. I further verify that the statements
Dated at, Kansas, this	30 day of ovember, 2021.
Jale Ful	flerent trank
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Flease Fillit)	(Flease Fillit)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
State of Kansas County of SS	th
I hereby certify that the foregoing application was signed in r of	ny presence and sworn to before me this $30$ day
JULIE JONES	Sulla Comes
My Commission Expires  My Appointment Expires  December 15, 2022	Notary Public
ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To be complete, all accurate information; maps, if necessary, must be included; signatures of all the apthe appropriate fee must be paid.	
FEE SCHEDU	<u>lle</u>
Each application to change the place of use or the point of diversion under	
forth in the schedule below: Make checks payable to: Kansas Departme (1) Application to change a point of diversion 300 feet or less	
<ul><li>(2) Application to change a point of diversion more than 300 feet</li><li>(3) Application to change the place of use</li></ul>	
(5) Application to sharings the place of ass	•

### SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

This Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-5-1, et seq. and other applicable provisions of the Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq., and rules and regulations promulgated thereunder, With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 12872 A change application was received on On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on Not Applicable the topographic map accompanying the application to change the place of use. ☐ Applicable The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application. 

Applicable 
Not Applicable The point(s) of diversion authorized herein shall not actually be located more than authorized point(s) of diversion.

Applicable Not Applicable 5 feet from the previously As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons per minute or more, a tube or other device suitable for making water level measurements shall be installed, operated and maintained in accordance with K.A.R. 5-6-13. Applicable ☐ Not Applicable The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 20 \(\frac{2}{2}\), or before the first use of water, whichever occurs first. The water flow meter shall be installed, operated and maintained in accordance with K.A.R. 5-1-4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and K.A.R. 5-3-5e, the owner shall maintain records and report the reading of the water flow meter and the total quantity of water diverted annually to the Chief Engineer by March 1 following the end of each calendar year. Applicable ☐ Not Applicable Installation of the works for diversion of water shall be completed on or before December 31, 20 22, or within any authorized extension of time. By March 1, 20 23 the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e. ☐ Not Applicable Applicable Applicable ☐ Not Applicable The completed well log shall be submitted with the required notice. 10. All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. Applicable \( \subseteq \text{Not Applicable} \) 11. Additional Conditions are attached. 12. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the Kansas Water Appropriation Law and the Rules and Regulations promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law. FOR OFFICE USE ONLY Administrative Appeal and Effective Date of Order APPLICATION APPROVED AND If you are aggrieved by this order, pursuant to K.S.A. 82a-1901, SUMMARY ORDER ISSUED you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. A request for hearing by the Chief Engineer must be filed within 15 days of service of this Order and a request for Duly Authorized Designee of the Chief Engineer administrative review by the Secretary must be filed within 30 MAKESTATULA MEYER days pursuant to K.S.A. 77-531. Any request for administrative (Print Name): review must state a basis for review pursuant to K.S.A. 77-527. File any request with Kansas Department of Agriculture, Division of Water Resources - Kansas Department of Agriculture Date of Issuance: Legal Division, 1320 Research Park Drive, Manhattan, KS 66502. Failure to timely request a hearing or review may State of Kansas preclude review under the Kansas Judicial Review Act. SS For Use by Register of Deeds County of Acknowledged before me on Signature: Notary Public JULIE JONES NOTARY My Appointment Expires My commission expires: Motary Seammber 15, 2022

# WELL LOG

DATE: 10/1/2021

Downey Drilling Inc.

CUSTOMER NAME: GALE FRANK

**LEGAL:** SW 15-27S-31W

COUNTY: HASKELL CO, KS

GPS: 37.694448

-100.705359

			LOGGER: DRILLER:	ROCKY			WO:	20-1264
rw	FROM	то	ТҮРЕ	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	3	TOPSOIL	SOFT	DARK BROWN	FAST		SMOOTH
	3	15	BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	15	27	FINE SAND	SOFT		FAST		VIBRATION
	27	58	SANDY CLAY W/ FINE SAND & CALICHE	FIRM	TAN & WHITE	FAST		SMOOTH & VIBRATION
	58	74	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	74	90	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
	90	107	FINE-MED GRAVEL W/ FINE-MED-COARSE SAND	STIFF		SEMI- SLOW		CHATTER
	107	115	FINE-MED-COARSE SAND W/ FINE-MED-LARGE GRAVEL & LIMEROCK	HARD	WHITE	SEMI- SLOW		CHATTER
	115	120	SANDY CLAY W/ FINE SAND	SOFT	BROWN	FAST		SMOOTH & VIBRATION
	120	130	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		VIBRATION
	130	134	SANDY CLAY W/ FINE SAND	SOFT	BROWN	FAST		SMOOTH & VIBRATION
	134	156	FINE-MED-COARSE SAND W/ FINE-MED-LARGE GRAVEL	HARD		SLOW		CHATTER
	156	170	FINE-MED-COARSE SAND W/ FINE GRAVEL/ CEMENTED SAND & SANDY CLAY LAYERS	STIFF	TAN & WHITE	SEMI- SLOW		FAST CHATTER
	170	174	GRAY CLAY	SOFT	GRAY	FAST		SMOOTH
	174	189	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF	GIVAT	FAST		FAST CHATTER
	189	190	CEMENTED SAND		WHITE			CHATTER
				HARD	BROWN,	SLOW		
	190	216	MULTI COLOR CLAY W/ FINE-MED-COARSE SAND LEDGES & LIMEROCK	STICKY	GRAY, WHT	FAST		SMOOTH & CHOPPY
-	216	235	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
_	235	258	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF	PDOMAI	FAST		FAST CHATTER
	258	262	BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
	262	267	FINE-MED SAND	STICKY	BROWN	FAST		VIBRATION
	267	287	FINE-MED-COARSE SAND W/ FINE-MED GRAVEL & LIMEROCK	STIFF	WHITE	FAST		FAST CHATTER
	287	291	CEMENTED SAND	HARD	WHITE	SLOW	+	CHATTER
	291	305	FINE-MED-COARSE SAND W/ FINE GRAVEL FINE-MED-COARSE SAND W/ FINE-MED GRAVEL & LIMEROCK &	STIFF		FAST SEMI-	-	FAST CHATTER
	305	322	CEMENTED SAND LEDGES FINE-MED-COARSE SAND W/ FINE GRAVEL, SANDY CLAY & CEMENTED	STIFF	TAN &	SLOW SEMI-		CHATTER & SMOOT
	322	332	SAND LEDGES	STIFF	WHITE	SLOW	,	@ TIMES
	332	335	BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
	335	348	FINE-MED-COARSE SAND W/ FINE-MED GRAVEL & CEMENTED SAND LEDGES	HARD		FAST	7 4	CHATTER
	348	352	BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
1	352	372	CEMENTED SAND W/ FINE-MED-COARSE SAND & SANDY CLAY LEDGES	STIFF	WHITE & BROWN	SEMI- SLOW	4	СНОРРУ
	372	375	SILTY CLAY	SOFT	BROWN, GRAY, YELLOW	FAST		SMOOTH
	375	384	CEMENTED SAND W/ FINE-MED-COARSE SAND & SANDY CLAY LEDGES	STIFF	WHITE &	SEMI- SLOW		СНОРРУ
	384	400	FINE-MED-COARSE SAND W/ SANDY CLAY/ LIMEROCK & CEMENTED SAND		TAN & WHITE	FAST		FAST CHATTER
	400	409	FINE-MED SAND W/ LIMEROCK, CEMENTED SAND & SANDY CLAY LEDGES		WHITE &	FAST		CHOPPY & SMOOTH
	409	450	CEMENTED SAND W/ FINE-MED-COARSE SAND & LIMEROCK	STIFF	WHITE	REALLY FAST		СНОРРУ

450 X 45 46 47 48 52 61	53	453 462	SANDSTONE	HARD				
X 45 46 47 48 52 61	53			HARD		SLOW		CHATTER
46 47 48 52 61			WEATHERED CLAY W/ BROWN ROCK, SANDSTONE & FINE SAND	FIRM	YELLOW & BROWN	SEMI- SLOW		SMOOTH & CHOPPY
48 52 61		475	BROWN ROCK W/ SANDSTONE	STIFF	BROWN & YELLOW	FAST		FAST CHATTER
<b>52</b>	75	487	GRAY SOAPSTONE W/ GRAY CLAY	SOFT	GRAY	FAST		VIBRATION & SMOOTH
61			SHALE W/ BROWN SILTY CLAY	SOFT	BLUE, GRAY & BROWN	SLOW		SMOOTH
	20	615	GRAY SANDSTONE W/ FINE SAND, IRON PYRITE & SHALE LEDGES	HARD	GRAY	SLOW	x	CHATTER
166	15	665	SHALE	SOFT	BLUE	SLOW		SMOOTH
100	65	680	SANDSTONE W/ FINE SAND	STIFF	GRAY	SEMI- SLOW	x	CHATTER
68	30	692	SHALE	SOFT	BLUE	SLOW		SMOOTH
69	92	705	SANDSTONE W/ FINE SAND	STIFF	GRAY	SEMI- SLOW	x	CHATTER
70	05	722	SHALE	SOFT	BLUE	SLOW		SMOOTH
72	22	755	SANDSTONE W/ FINE SAND	STIFF	GRAY	SEMI- SLOW	X	CHATTER
75	55	790	SHALE	SOFT	BLUE	SLOW		SMOOTH
79	90	820	RED BED	SOFT	RED	SLOW		SMOOTH
			QUIKGEL - 12					
			WATER LOADS - 2-1/2					
			BRAN - 1					
			EZ MUD GOLD - 2 BAGS					
			SODA ASH - 3/4					
			HOLE PLUG - 2					
			CASING SEAL - 1					
					_			
	_							
				_			_	