

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1113151

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip: +	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	County:
	Viell #:
	Eigld Name:
Purchasser	
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
☐ OG	d. If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Delling Field Management Disc
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to S	Chloride content: ppm Fluid volume: bbls
Conv. to GSW	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	
SWD Permit #:	License #:
ENHR Permit #:	Quarter Sec TwpS. R East U West
GSW Permit #:	County: Permit #:
Spud Date or Recompletion DateDate Reached TDCompletion Date or Recompletion Date	

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
Letter of Confidentiality Received
Confidential Release Date:
Wireline Log Received
UIC Distribution
ALT I II III Approved by: Date:

	Side Two	1113151
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog	ical Survey	Yes No	Nam	е		юр	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	lectronically	 Yes No Yes No Yes No 					
List All E. Logs Run:							
		CASING	RECORD Ne	w Used			
		Report all strings set-o	conductor, surface, inte	ermediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot		PERFORATION Specify For	I RECOF	RD - Bridge P Each Interval F	lugs Set/Typ Perforated	e		Acid, Fracture, Shot, C (Amount and Kind	ement Squeeze Record of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner F	Run:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	λ .	Producing M	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION IN	TERVAL:
Vented Solo	i 🗌 I	Jsed on Lease		Open Hole	Perf.	Dually (Submit)	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Su	bmit ACC)-18.)		Other (Specify)						



DIAMOND TESTING P.O. Box 157 HOISINGTON, KANSAS 67544 (620) 653-7550 • (800) 542-7313 BBNGR1DST2

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n 2

Company Range Oil Company, Inc.	Lease & Well No. Babinger N	o. 1
Elevation 1278 GL Formation Viola	Effective Pav	Ft. Ticket No. M404
Date 10-2-12 Sec. 26 Twp. 21S Range	10E County Lyon	State Kansas
Test Approved By Frank S. Mize	Diamond Representative	Mike Cochran
Formation Test No. 2 Interval Tested from	2,625 _{ft. to} 2,645 _{ft.}	Total Depth 2,645 ft
Packer Depth 2,620 ft. Size 6 3/4 in.	Packer Depth	ft. Size in.
Packer Depth 2,625 ft. Size 6 3/4 in.	Packer Depth	ft. Size in.
Depth of Selective Zone Setft.		
Top Recorder Depth (Inside) 2,627 ft.	Recorder Number	30037 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 2,642 ft.	Recorder Number	<u>6884</u> Cap. <u>6,275 psi.</u>
Below Straddle Recorder Depthft.	Recorder Number	Cappsi.
Drilling Contractor Summit Drilling Company - Rig 1	Drill Collar Length	313 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 54	Weight Pipe Length	ft I.Din.
Weight 9.3 Water Loss 6.2 cc.	Drill Pipe Length	<u>2,292</u> ft I.D. <u>3</u> in.
Chlorides 900 P.P.M.	Test Tool Length	20 ft Tool Size 3 1/2-IF in.
Jars: Make <u>Sterling</u> Serial Number Not Run	Anchor Length	ft. Size4 1/2-FH in.
Did Well Flow? <u>No</u> Reversed Out <u>No</u>	Surface Choke Size 1 ir	n. Bottom Choke Size5/8 in.
	Main Hole Size 7 7/8 in	n. Tool Joint Size <u>3 1/2-XH</u> in.
Blow: 1st Open: Bottom of bucket blow. Reached hydrostatic at approx. 15 n	nins. No blow back during shut-in.	
2nd Open: No blow. No blow back during shut-in.		
Recovered $\frac{240}{1000}$ ft. of $\frac{3}{2000}$ gas & oil cut watery mud = 1.960800 bbls. (Gri	nd out: 6%-gas; 14%-oil; 30%-water; 50	%-mud)
Recovered 1,890 ft. of gas & slightly oil cut muddy water = 14.424050 bbls. (0	Grind out: 2%-gas; 6%-oil; 74%-water; 18%-mu	d) Chlorides: 800 Ppm PH: 7.5 RW: .95 @ 54°
Recovered $2,130$ ft. of TOTAL FLUID = 16.384850 bbls.		
Recoveredft. of		
Recoveredft. of		
Recoveredft. of		
Remarks_1001 Sample Grind Out: 100%-water w/ some specks	s of oil	
Time Set Packer(s) 9:00 P.M. Time Started off Botton	m 11:00 P.M. Maxim	num Temperature 112°
Initial Hydrostatic Pressure	1285 P.S.I.	
Initial Flow PeriodMinutes ³⁰ (B)	713 P.S.I. to (C)	⁹⁰⁸ P.S.I.
Initial Closed In PeriodMinutes 30 (D)	909 P.S.I.	
Final Flow PeriodMinutes 30 (E)	⁹⁰⁹ P.S.I to (F)	⁹⁰⁹ P.S.I.
Final Closed In PeriodMinutes 30 (G)	909 P.S.I.	
Final Hydrostatic Pressure(H)	1268 P.S.I.	

26; VE 23-21S-10E & 1485' FEL 25 / SE 24-21S-10	t 170 pian 211 pok 255 26	ve 186	er s Sand 10	Impany Ration ASE	
70 2666 -1 $R \equiv F \equiv R \equiv$ John McKnab et al, #1 B5-21S-10E Trimble & Maclaskey OE Trimble & Maclaskey O	00 1695 - 96 2193 - 22 2518 -1 14 2611 -1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	813 + 839 + 44 1039 + 57 1155 +	ange Oil Compa Babinger #1 Unnamed 1725' FNL & $330'$ FE $p_ 21S RGE_$ on STATE on STATE $com II00' T0_$ FROM 1100' T0_	RANGI 125 N. Market /
1378 -131 ENCE WELLS abbinger laskey, Rossillion #2 il, Rossillion #1	-412 -905 -205 -205 -205 -205 -122 -122 -131 -131	-30 -231 -289 -498 -567 -587 -587	-475 -449 -249 -133 +13	Iny, Inc. K.B. I.L G.L. I.L DEF I.L DEF KS Surface g Product ATUM A. Eic	E OLL C Suite 1120 / Wi AL REP & SAMPLE
5 -1372 -13	6 -632 -6 91 -873 -6 23 -1215 -11 2 -1306 -11	10 -211 10 -271 -271 -271 -548 -248	10 + 250 + 157 +	ELEVATION 1288 1278 PTH MEASURED FROM Drilling 1 CASING CASING 0 Pen Hole Logs DCP/DIL/BHCS	chita, KS 67202
	309 10 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 16 16 16 16 16 16 16 16 16	-0 2211 274 476 4476	250 159	Daily Status	Straight Hole Tests
				9-25-12: MIRT 9/26/12: 7:45 am - Drilling @ 200' 9/27/12: 8:20 am - Drilling @ 578' 9/28/12: 8:00 am - Drilling @ 1318' 9/29/12: 8:00 am - Drilling @ 1810' 9/30/12: 8:30 am - Drilling @ 2298' 10/1/12: 8:00 am - Drilling @ 2453' 10/2/12: 8:00 am - PTD 2625' Running DST #1 10/3/12: 9:00 am - RDT 2670', Finished DST #2	.75 degree @ 230' .75 degree @ 666' 1 degree @ 1171' 1.5 degrees @ 2108' 1.75 degrees @ 2440' 2 degrees @ 2625'
			1050		Douglas Sand 1044 +244
				Sandstone: gray, very fine grained, well sorted, fair to good silica cement, fair intergranular porosity, no show, trace muscovite	vis 41 wt 9.1 lcm 6#
			1100	Shale: gray to dark gray, arrenaceous	
				Shale: gray to dark gray, arrenaceous	
			1150	Shale: gray to dark gray Limestone: light gray to light brown, medium to coarsely crystalline, dense, little visible porosity, no show, fossiliferous w/crimoids	Lansing 1157 +131 vis 40 wt 9.3 lcm 6#
				Limestone: off white to gray, fine to medium crystalline, very poor intercrystalline porosity, no show, trace pyrite and dark gray shale Limestone: off white, fine to medium crystalline, slightly chalky, some fair intercrystalline porosity, no show Limestone: off white, fine to medium crystalline, some fair intercrystalline porosity, no show	SHALE SANDSTONE LIMESTONE DOLOMITE HALITE ANHYDRITE/GYPSUM
			1200	Limestone: off white, fine to medium crystalline, trace oolitic, fair to good intercrystalline porosity, 1 piece w/blac gilsonitic stain along fractured edge, no odor, no fluorescence Limestone: gray to off white, fine to medium crystalline, some densely oolitic, oolicastic, fair intercrystalline porosity, no show	vis 38 wt 9.3 lcm 5#
				Limestone: off white to gray, coarsely crystalline, dense, no porosity, no show Limestone: light gray, fine to medium crystalline, good intercrystalline porosity, no show Limestone: light gray, fine to medium crystalline, good intercrystalline porosity, some chalky no show	vis 37 wt 9.3 lcm 6#
			1250	Limestone: off white to beige, fine crystallie, fair to good intercrystalline porosity, no show Limestone: gray to beige, medium to coarsely crystalline, very poor intercrystalline porosity, no show	Lane 1270 +18
			1300	Limestone: gray, coarsely crystalline, dense, no porosity, no show, sample looks out of place Shale: dark gray	
				Shale: dark gray Shale: dark gray Limestone: gray to tan, fine grained, micritic, some argillaceous, no visible porosity, no show	KC 1322 -34
			1350	Limestone: beige to light brown, medium to coarsely crystalline, dense, poor intercrystalline porosity, no show, trace echinoids Limestone: beige to gray to dark gray, medium to coarsely crystalline, dense, little visible porosity no show Limestone: beige to gray, medium crystalline, poor to fair intercrystalline poneity no show	
				Limestone: light brown to gray, medium crystalline, poor intercrystalline porosity, no show Limestone: light brown to gray, medium crystalline, fair to good intercrystalline porosity, fair amount dense w/no porosity, trace vuggy porosity, no show, some dark gray shale Limestone: dark gray to beige, coarsely crystalline, some	
			1400	argillaceous, little visible porosity, no show, some dark gray shale Limestone: dark gray to beige, coarsely crystalline, some argillaceous, little visible porosity, no show, much dark gray shale Shale: gray to dark gray	
				Limestone: beige to gray, medium to coarsely crystalline, dense, no visible porosity, fair amount gray to grayish green shale Shale: gray to black Limestone: gray to light brown, coarsely crystalline, most dense, little visible porosity, no show Limestone: beige to gray, medium crystalline, some micritic, trace pin point porosity, no show, fossiliferous	
			1450	w/sponge spicules and shell hash Shale: gray to black Limestone: gray to beige, coarsely crystallline, dense, little visible porosity, no show Limestone: off white, micritic to coarsely crystalline,	
	CF			Limestone: off white, micritic to coarsely crystalline, some chalky, no visible porosity, no show Limestone: beige, densely oolitic, oolicastic, little visible porosity, no show, no fluorescence, no odor Limestone: beige, densely oolitic, oolicastic, little visible porosity, no show, no fluorescence, no odor, trace pyrite	
			1500	Limestone: beige, trace gray, coarsely crystalline, no visible porosity, no show, trace gray chert Limestone: off white, trace beige, coarsely crystalline, trace micritic, chalky, little visible porosity, no show Limestone: off white to gray, coarsely crystalline, dense,	
				no visible porosity, no show Shale: black, carbonaceous <u>Limestone: off white to gray, coarsely crystalline, dense,</u> no visible porosity, no show Limestone: off white to gray, coarsely crystalline, dense, some slightly chalky, no visible porosity, no show, Limestone: dull gray, coarsely crystalline, dense, trace	Stark 1524 -236 vis 40 wt 9.3 lcm 4#
			1550	pin point porosity, no show, few styllolites Limestone: off white, coarsely crystalline, dense, no visible porosity, no show Limestone: light brown, very fine crystalline, sucrosic, no show free oil, fair odor, bright fluorescence in 20% of 1570' drilling sample, much black carb shale Limestone, brown, medium crystalline, very poor inter- crystalline porosity, no show	Hushpuckney 1558
2	CF	S		Limestone: brown, medium to coarsely crystallie, dense,	vis 37 wt 9.3 lcm 4# RKC 1579 _291
			1000	Shale: gray Shale: gray	
			1600	Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show	
			1600	Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray Limestone: off white, micritic, little visible porosity, no show Shale: gray to dark gray, trace black	
			1600	Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray Limestone: off white, micritic, little visible porosity, no show Shale: gray to dark gray, trace black Shale: gray to dark gray Shale: gray to dark gray Shale: dark gray to black	vis 42 wt 9.3 lcm 4#
			1600 1650 1700	Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray Limestone: off white, micritic, little visible porosity, no show Shale: gray to dark gray, trace black Shale: gray to dark gray Shale: gray to dark gray Shale: dark gray to black Shale: dark gray to black, trace off white micritic limestone Shale: gray to green Limestone: light brown to gray, coarsely crystalline, dense, no visible porosity, no show	vis 42 wt 9.3 lcm 4# Altamont 1700 -412
			1600	Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray Limestone: off white, micritic, little visible porosity, no show Shale: gray to dark gray, trace black Shale: gray to dark gray, trace black Shale: gray to dark gray Shale: gray to dark gray Shale: dark gray to black Shale: dark gray to black, trace off white micritic limestone Shale: gray to green Limestone: light brown to gray, coarsely crystalline, dense, no visible porosity, no show Shale: green to gray Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Shale: green Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Shale: green	vis 42 wt 9.3 lcm 4# Altamont 1700 - 412
			1600 1650 1750	In visible porosity, no show, interi black shale Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray Limestone: off white, micritic, little visible porosity, no show Shale: gray to dark gray, trace black Shale: gray to dark gray, trace black Shale: gray to dark gray Shale: dark gray to black Shale: dark gray to black Shale: dark gray to black, trace off white micritic limestone Shale: gray to green Limestone: iight brown to gray, coarsely crystalline, dense, no visible porosity, no show Shale: green to gray Limestone: beige, coarsely crystalline, dense, no visible porosity, no show Shale: green Limestone: beige, coarsely crystalline, dense, no visible porosity, no show Shale: green Limestone: beige, coarsely crystalline, dense, no visible porosity, no show Shale: green Limestone: beige, coarsely crystalline, dense, no visible porosity, no show Shale: green Shale:	vis 42 wt 9.3 lcm 4# Altamont 1700 -412
			1600 1650 1750	Shale: gray Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray Limestone: off white, micritic, little visible porasity, no show Shale: gray to dark gray, trace black Shale: gray to dark gray, trace black Shale: gray to dark gray Shale: dark gray to black Shale: dark gray to black Shale: gray to green Limestone: light brown to gray, coarsely crystalline, dense, no visible porosity, no show Shale: green to gray Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Shale: green Sandstone: gray, fine grained, well sorted, calcareous, litmestone: irgay, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Shale: green Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porsity, no show	vis 42 wt 9.3 lcm 4# Altamont 1700 - 412 vis 39 wt 9.3 lcm 4#
			1600 1650 1750 1800	Shale: gray Limestone: off white, micritic, little visible porosity, no show Shale: gray to dark gray, trace black Shale: gray to dark gray, trace black Shale: gray to dark gray, trace black Shale: gray to dark gray Shale: gray to dark gray Shale: gray to black Shale: gray to black Shale: gray to black Shale: gray to green Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Shale: green Shale: black, carbonaceous Shale: green Shale: green Shale: black, carbonaceous Shale: grey, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Shale: grey, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Shale: grey Shale: grey, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Shale: grey Shale: grey, fine grained, calcareous & argillaceous, poor intergranular porsity, no show Shale: grey Shale: grey, fine grained, calcareous & argillaceous, poor intergranular porsity, no show	vis 42 wt 9.3 lcm 4# Altamont 1700 -412 vis 39 wt 9.3 lcm 4# vis 39 wt 9.3 lcm 3# Pawnee 1789 -501
			1600 1650 1700 1750	Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray, fair amount gray fine grained sandstone, very argilaceous, poor intergranular porosity, no show Shale: gray, fair amount gray fine grained sandstone, very argilaceous, poor intergranular porosity, no show Shale: gray, fair amount gray, tine grained sandstone, very argilaceous, poor intergranular porosity, no show Shale: gray to dark gray, trace black Shale: gray to dark gray, trace black Shale: gray to dark gray, trace black Shale: gray to dark gray Shale: gray to black, trace off white micritic limestone Shale: gray to green Limestone: light brown to gray, coarsely crystalline, dense, no visible porosity, no show Shale: green to gray Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Shale: green Shale: grey, fine grained, well sorted, calcareous, Ittimestone: beige, coarsely crystalline, dense, no visible porsity, no show Limestone: beige, coarsely crystalline, dense, no visible porsity, no show Limestone: beige, coarsely crystalline, dense, no visible porsity, no show Limestone: beige to gray, coarsely crystalline, dense, no visible porosity, no show Shale: black, carbonaceous Limestone: beige to gray, coarsely crystalline, dense, no visible porosity, no show Shale: black, carbonaceous Limestone: poor intercrystalline porsity, no show Shale: black, carbonaceous Limestone: poor intercrystalline porsity, no show Shale: gray to black Shale: gray to black	vis 42 wt 9.3 lcm 4# Altamont 1700 -412 vis 39 wt 9.3 lcm 4# vis 39 wt 9.3 lcm 3# Pawnee 1789 -501
			1600 1650 1700 1750	Shale: gray Limestone: off white, micritic, little visible porosity, no show Shale: gray to dark gray, trace black Shale: gray to dark gray, trace black Shale: gray to dark gray, trace black Shale: gray to dark gray Shale: gray to dark gray Shale: gray to dark gray Shale: gray to black, trace off white micritic limestone Shale: gray to black, trace off white micritic limestone Shale: gray to black, trace off white micritic limestone Shale: gray to green Limestone: light brown to gray, coarsely crystalline, dense, no visible porosity, no show Shale: green to gray Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Shale: green Shale: black, carbonaceous Shale: green Sandstone: gray, fine grained, well sorted, calcareous, Ittle visible porosity, no show Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porosity, no show Shale: green Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porosity, no show Shale: gray Limestone: beige, coarsely crystalline, dense, no visible Sondstone: gray, fine grained, calcareous & argillaceous, poor intergranular porosity, no show Sandstone: gray, fine grained, calcareous & argillaceous, poor intergranular porosity, no show Shale: black, carbonaceous Limestone: beige to gray, coarsely crystalline, dense, no visible porosity, no show Shale: gray Limestone: beige to gray, coarsely crystalline, dense, no visible porosity, no show Shale: black, carbonaceous Limestone: beige to gray, coarsely crystalline, dense, no visible porosity, no show Shale: black, carbonaceous Limestone: beige to gray, coarsely crystalline, dense, no visible porosity, no show Shale: black, carbonaceous Limestone: gray to dark brown, medium to coarsely crystalline, some soft, fair intercrystalline, dense, no visible porosity,	vis 42 wt 9.3 lcm 4# Altamont 1700 - 412 vis 39 wt 9.3 lcm 3# vis 39 wt 9.3 lcm 3# Pawnee 1789 - 501 vis 40 wt 9.4 lcm 3#
			1600 1650 1700 1750 1800	The table probability in a block, inder block state Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray Limestone: off white, micritic, little visible porosity, no show Shale: gray to dark gray, trace black Shale: gray to dark gray Shale: dark gray to black, trace off white micritic limestone Shale: dark gray to black, trace off white micritic limestone Shale: gray to green Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Shale: green to gray Limestone: beige, coarsely crystalline, dense, no visible prosity, no show Shale: green Shale: greay, fine grained, celca	vis 42 vrt 9.3 lcm 4# Altamont 1700 - 412 vis 39 vrt 9.3 lcm 4# vis 39 vrt 9.3 lcm 3# Pawnee 1789 - 501 vis 40 vrt 9.4 lcm 3# Cherokee 1860 - 572
			1600 1650 1700 1700 1800	In visible porosity, ite andry little visible porosity, no show Shale: gray Shale: gray Shale: gray Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray Shale: gray Shale: gray Linestone: off white, micritic, little visible porosity, no show Shale: gray to dark gray, trace black Shale: gray to dark gray. Shale: gray to dark gray. Shale: dark gray to black. Shale: gray to green Linestone: light brown to gray, coarsely crystalline, dense, no visible porosity, no show Shale: green to gray Limestone: correctly, restalline, dense, no parosity, ro show Shale: green Shale	vis 42 wt 9.3 lcm 4# Altamont 1700 -412 vis 39 wt 9.3 lcm 4# vis 39 wt 9.3 lcm 3# Pawnee 1789 -501 vis 40 wt 9.4 lcm 3# Cherokee 1860 -572
			1600 1650 1700 1750 1800	Investige por dary, the story, the choice state Shale: gray Shale: gray Shale: gray Shale: gray, fair amount gray fine grained sandstone, very argillaceous, poor intergranular porosity, no show Shale: gray Shale: gray Shale: gray Shale: gray Linestone: off white, micritic, little visible porosity, no show Shale: gray to dark gray, trace black Shale: dark gray to black Shale: dark gray to black Shale: gray to green Linestone: light brown to gray, coarsely crystalline, dense, no visible porosity, no show Shale: green to gray Linestone: coff white beige, coarsely crystalline, dense, no parosity, no show Shale: green	vis 42 wt 9.3 lcm 4# Altamont 1700 -412 vis 39 wt 9.3 lcm 4# vis 39 wt 9.3 lcm 3# Pawnee 1789 -501 vis 40 wt 9.4 lcm 3# Cherokee 1860 -572
				Interspectation of the second secon	vis 42 wt 9.3 lcm 4# Altamont 1700 - 412 vis 39 wt 9.3 lcm 4# vis 39 wt 9.3 lcm 3# Pownee 1789 -501 vis 40 wt 9.4 lcm 3#
				Note: prov Shale: gray Shale: gray to dark gray, trace black Shale: gray to black, trace off white micritic linestone Shale: gray to black, trace off white micritic linestone Shale: gray to speen Linestone: off white to baige, coarsely crystalline, dense, no wisble paresity, no show Shale: green Shale: green Shale: green Shale: green Shale: grey	vis 42 wt 9.3 lcm 4# Altamont 1700 - 412 vis 39 wt 9.3 lcm 3# vis 39 wt 9.3 lcm 3# Pawnee 1789 - 501 vis 40 wt 9.4 lcm 3# Cherokee 1860 - 572
				Notebo power, to allow, that back state Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray Shale: gray, fair anount gray fine grained sandstone, very anyllaceou, poor intergranular porosity, no show Shale: gray fair anount gray fine grained sandstone, very anyllaceou, poor intergranular porosity, no show Shale: gray to dork gray, trace black Shale: gray to dork gray, trace black Shale: gray to black, trace off white micritic linestone Shale: gray to black, trace off white micritic linestone Shale: gray to black, trace off white micritic linestone Shale: gray to black, trace off white micritic linestone Shale: gray to black, trace off white micritic linestone Shale: graen to gray Linestone: light brown to gray, coarsely crystalline, dense, no visible porosity, no show Shale: green Shale: gray Linestone: bage coarsely crystalline, dense, no visible Shale: gray the porosity, no show	vis 42 wt 9.3 lcm 4# Altamont 1700 - 412 vis 39 wt 9.3 lcm 4# vis 39 wt 9.3 lcm 3# Pawnee 1789 -501 vis 40 wt 9.4 lcm 3# Cherokee 1860 - 572
				In the log proof is the strength is the	vis 42 wt 9.3 lcm 4# Altamont 1700 -412 vis 39 wt 9.3 lcm 3# Pownee 1789 -501 vis 40 wt 9.4 lcm 3# Cherokee 1860 -572
			1600 1650 1700 1700 1800 1800	Numer production is a standard or a	vis 42 wt 9.3 lcm 4# Altamont 1700 -412 vis 39 wt 9.3 lcm 4# vis 39 wt 9.3 lcm 3# Pawnee 1789 -501 vis 40 wt 9.4 lcm 3# Cherokee 1860 -572
			1600 1650 1700 1750 1800 1900	Bake gray Shake gray to dark gray, trace black Shake gray to black, trace off white micritic limestrature Shake gray to black, trace off white micritic limestrature Shake gray to graen Limestrace off white to baga, coarsely crystalline, danse, no yab be portativ, no show Shake graen Shake graen <td>vis 42 wt 9.3 lcm 4# Altamont 1700 - 412 vis 39 wt 9.3 lcm 4# vis 39 wt 9.3 lcm 3# Pownee 1789 - 501 vis 40 wt 9.4 lcm 3# Cherokee 1860 - 572</td>	vis 42 wt 9.3 lcm 4# Altamont 1700 - 412 vis 39 wt 9.3 lcm 4# vis 39 wt 9.3 lcm 3# Pownee 1789 - 501 vis 40 wt 9.4 lcm 3# Cherokee 1860 - 572
				Interface programment Shale: gray Shale: gray for amount gray free privated and statume, very Shale: gray to dark gray, trace black Shale: gray to graen Shale: gray to graen Shale: graen to gray Shale: graen Shale: grant black Shale: g	vis 42 wt 9.3 km 4# Altamont 1700 -412 vis 39 wt 9.3 km 4# vis 39 wt 9.3 km 3# Pawnee 1789 -501 vis 40 wt 9.4 km 3# Cherokee 1860 -572
				 In conservation of a service of service of a ser	vis 42 wt 9.3 lcm 4# Altamont 1700 -412 vis 39 wt 9.3 lcm 4# vis 39 wt 9.3 lcm 3# Pawnee 1789 -501 cherokee 1860 -572 Cherokee 1860 -572
				One of a set of	vis 42 vr 9.3 lcm 4# Altamont 1700 - 412 vis 39 vr 9.3 lcm 4# vis 39 vr 9.3 lcm 3# Pawnee 1789 - 501
				Bole grow Relation of the state intervention of the state intervention Shell grow Shell grow Shell grow	vis 42 vit 9.3 lon 4# Altamont 1700 - 412 vis 39 vf 9.3 lon 4# vis 39 vf 9.3 lon 4# vis 39 vf 9.3 lon 3# Pawnee 1789 - 501

			while to gray fresh chern	via 51 wt 0.2 Jam 4#
			Dolomite: light brown, fine to coarsely crystalline, dense,	VIS 51 WI 9.5 ICM 4#
			very poor intercrystalline porosity, no show, trace white	
		2250	tripolitic & off white to gray fresh chert w/no show	
		2250	Dolomite: light brown, coarsely crystalline, very dense	
			no porosity, no show, much opaque gray fresh chert	
	<i></i>		with no show	vie 50 wt 93 lem 4tt
			Dolomite: light brown to off white, most coarsely crystalline	
			dense, trace fine crystalline w/fair intercrystalline porosity,	
			no show, much fresh gray chert	
			Delemite: light brown to off white most secretably envitabling	
			dense, trace fine to medium crystalline w/fair intercrystalline	
			porosity, no show, much fresh gray chert	
			Dolomite: light brown to off white most coarsely crystalline	
			dense, trace fine to medium crystalline w/fair to good	
			intercrystalline porosity, no show, much fresh gray chert	
	<u> </u>		Dolomite: light brown to gray medium to coarsely	VIS 45 WT 9.2 ICM 5#
			crystalline, dense, trace fine crystalline w/fair	
		9900	intercrystalline porosity, no show, much gray chert	
		2300		
			Shale: black, carbonaceous	
			Nelemiter haiza ta annu fina ta agandek emistellina	
			very dense, little visible porosity, no show, trace blue	
	Z		gray chert	
			Dolomite: beige to light brown fine to coarsely crystalline	
			very dense, little visible porosity, no show, trace blue	
			gray chert	
	<u> </u>		crystalline, very poor to fair intercrystalline porosity,	
			no show, some blue gray chert	Miss Usage 2336
			Chert: opaque off white to blueish aray fresh no visible	
	_ ⊊		porosity, no show, fair amount light brown fine crystalline	
			aoiomite, no snow, some dark gray to black shale	
		2350		
		2000	Chert: opaque off white to blueish gray, fresh, no visible	
			dolomite, fine crystalline. boor intercrystalline porosity no show	
	4 ₹ 4			
			Chert: off white to amber to blueish gray, fresh, trace	
			white tripolitic, tair tripolitic porosity, no show, some light brown fine crystalline dolomite w/fair inter-	
	ੑੑੑੑੑ੶ੑੑੑੑ		crystalline porosity, no show	
			Chert: off white to amber to blueish gray, fresh, trace	
\sim			light brown fine crystalline dolomite w/fair inter-	
			crystalline porosity, no show, trace pyrite	
	ΔΔΔ		Chert: off white to amber to blueish gray, fresh, trace white tripolitic fair tripolitic porosity no show some	
	 △☆☆△		light brown fine crystalline dolomite w/fair inter-	
			crystalline porosity, no show, trace pyrite	
			white tripolitic, fair tripolitic porosity, no show, some	
			light brown fine crystalline dolomite w/fair inter-	vis 42 wt 92 lcm 4#
		2400	crystalline porosity, no show	
			white tripolitic, fair tripolitic porosity, no show, some	
			40% light brown fine crystalline dolomite w/fair inter-	
			crystalline porosity, no show	
			white tripolitic fair tripolitic porosity no show some	
			40% light brown to recrystalline to gray coarsely crystalling	
			40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray fresh trace	
			40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some	vis 56 wt 9.2 lcm 3#
			 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline to gray coarsely crystalline 	vis 56 wt 9.2 lcm 3#
			40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show	vis 56 wt 9.2 lcm 3#
			40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK
			40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK
			40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss I S 2444 -1156
			40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156
			40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156
		2450	40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show, some dark gray shale	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3#
		2450	40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show, some dark gray shale Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show, some dark gray	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3#
		2450	40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show, some dark gray shale Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3#
		2450	40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show, some dark gray shale Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3#
		2450	40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show, some dark gray shale Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3#
		2450	Wine in the prime provide to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show, some dark gray shale Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450	40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show, some dark gray shale Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450	 Wine information interportation to gray coarsely crystalline dolomite w/poor to no intercrystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show, some dark gray shale Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show 	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450	Winter the provide prov	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450	 White in the prostability is coarsely crystalline dolomite w/poor to no intercrystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show, some dark gray shale Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show 	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450	 White the provide provide provide provide provide the provided the provide the provided the pro	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450	 Wine information fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show, some dark gray shale Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show 	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450	 White in the print period of the pe	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450	 White in the provide to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense no porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show 	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450 	 White the provide the provide provide the pro	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450 	 White the provided state of the pro	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450 2500 #1	 White the provided state of the pro	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450 2500 #1	 While thrown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to milky gray, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to light brown, medium to coarsely crystalline, dense, no visible porosity, no show 	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK <u>Miss LS 2444 -1156</u> vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450 2500 #1	 Which the provide the provided the provide the provided the provided	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK <u>Miss LS 2444 -1156</u> vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4#
		2450 	 Alow light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show some dark gray shale Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to milky gray, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to light brown, medium to coarsely crystalline, dense, no visible porosity, no show Limestone: gray to light brown, medium to coarsely crystalline very poor intercrystalline porosity, no show, trace dark gray shale Limestone: gray to light brown, medium to coarsely crystalline very poor intercrystalline porosity, no show, trace dark gray to light brown, medium to coarsely crystalline very poor intercrystalline porosity, no show, trace dark gray to light dreen to black shale 	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4# vis 56 wt 9.2 lcm 2#
		2450 2500 #1	 A0% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to light brown, medium to coarsely crystalline, dense, no visible porosity, no show Limestone: gray to light brown, medium to coarsely crystalline very poor intercrystalline porosity, no show, trace dark gray shale Limestone: gray to light brown, medium to coarsely crystalline very poor intercrystalline porosity, no show, trace dark gray shale 	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4# vis 56 wt 9.2 lcm 2# Kinderhook 2522 -1234
		2450 #1	 A0% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show Shale Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to light brown, medium to coarsely crystalline very poor intercrystalline porosity, no show, trace dark gray shale Limestone: gray to light brown, medium to coarsely crystalline very poor intercrystalline porosity, no show, trace dark gray to light green to black shale Shale: gray tissle 	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4# vis 56 wt 9.2 lcm 2# Kinderhook 2522 -1234
		2450 2500 #1	 A0% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60%Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to light brown, medium to coarsely crystalline, dense, no visible porosity, no show Limestone: gray to light brown, medium to coarsely crystalline very poor intercrystalline porosity, no show, trace dark gray shale Limestone: gray to light brown, medium to coarsely crystalline very poor intercrystalline porosity, no show, trace dark gray to light green to black shale Shale: gray, fissle 	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4# vis 56 wt 9.2 lcm 2# Kinderhook 2522 -1234
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		2450 #1 2550	40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show 60% Chert: off white to amber to blueish gray, fresh, trace white tripolitic, fair tripolitic porosity, no show, some 40% light brown fine crystalline to gray coarsely crystalline dolomite w/poor to no intercrystalline porosity, no show no sample Limestone: light brown to off white, coarsely crystalline, dense, no visible porosity, no show, some dark gray shale Limestone: off white to gray, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to beige, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: off white to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: gray to off white, coarsely crystalline, dense no porosity, no show Limestone: gray to off white, coarsely crystalline, dense no porosity, no show Limestone: gray to light brown, medium to coarsely crystalline very poor intercrystalline porosity, no show, trace dark gray shale Limestone: gray to light brown, medium to coarsely crystalline very poor intercrystalline porosity, no show, trace dark gray to greenish gray Shale: dark gray to greenish gray	vis 56 wt 9.2 lcm 3# TFB 2440'/Bit OK Miss LS 2444 -1156 vis 55 wt 9.3 lcm 3# vis 46 wt 9.3 lcm 4# vis 56 wt 9.2 lcm 2# Kinderhook 2522 -1234
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DATE	CUSTOMER # WE	LL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
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	# 3 @ 800'	50' plug w/ 1 Surface w/4	55KS 55KS	Keep hole	Full, J	6b
	# 3 @ 800' # 4 @ 150' +0	50' plug w/ 1 Surface w/4	55KS 55KS 05KS Tot	Keep hole al	Full, J	omplet
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	# 3 @ 800' # 4 @ 150' +0	50' plug w/ 1 Surface w/ 4 90 Thanks S	55KS 55KS 05K5 Tot Shannon 4	Keep hole al crew	Full, Jo c	ob omplet
	#3@ 800' ₩4@ 150' +0	50' plug w/ 1 Surface w/ 4 90 Thanks S	55KS 55KS 05K5 Tot	Keep hole al crew	Full, Ja c	ob omplet
ACCOUNT	# 3 @ 800' # 4 @ 150' +0 QUANITY or UNITS	50' plug w/ 1 Surface w/ 4 90 Thanks 3 DESCRIPTION	55KS 55KS 55KS Tof 5hannon 4 of SERVICES or P	Keep hole al Crew RODUCT	Full, Jo C	ob omplet total
ACCOUNT CODE	<u>#3@ 800'</u> <u>#44@ 150' +0</u> QUANITY or UNITS	50' plug w/ 1 Surface w/ 4 90 Thanks 5 DESCRIPTION	of SERVICES or P	Keep hole al Crew RODUCT	Full, J c UNIT PRICE 1030.00	о <i>b</i> отр/ен тотац 1030,00
ACCOUNT CODE 5405 N	# 3 @ 800' # 4 @ 150' +0 QUANITY or UNITS 1 30	50' plug w/ 1 50' plug w/ 1 Surface w/ 4 90 Thanks S DESCRIPTION PUMP CHARGE MILEAGE	55KS 55KS 55KS Tof 5hannon 4 of SERVICES or P	Keep hole al Crew RODUCT	UNIT PRICE 1030.00 4,00	оb отр/е+ тотац 1030,00 120,00
ACCOUNT CODE 5405 N 5406	# 3 @ 800' # 4 @ 150' +0 QUANITY or UNITS 1 30	SUP FACE SUP FACE JHANKS DESCRIPTION PUMP CHARGE MILEAGE	55KS 55KS 55KS Tot 5hannon 4 of SERVICES or P	Keep hole al Crew RODUCT	FJ/, J C UNIT PRICE 1030.00 4,00	TOTAL 1030,00 120,00
ACCOUNT CODE 5405 N 5406	# 3 @ 800' # 4 @ 150' +0 QUANITY OF UNITS 1 30 90 5K5	50' plug w/ 1 Surface w/ 4 90 Thanks 5 DESCRIPTION PUMP CHARGE MILEAGE 60/40 POZMI	SSKS SSKS DSKS TOF Shannon 4 of SERVICES or P	Keep hole al Crew RODUCT	Full, J c UNIT PRICE 1030.00 4.00 12.55	TOTAL 1030,00 120,00 1129,50
ACCOUNT CODE 5405 N 5406 1131 1119 R	$\frac{\# 3 @ 800'}{\# 4 @ 150' +0}$ QUANITY or UNITS $\frac{1}{30}$ $\frac{905k5}{310 + t}$	50' plug w/ / Surface w/ 4 90 Thanks 5 DESCRIPTION PUMP CHARGE MILEAGE 60/40 POZMI Gel @ 4%	55KS 55KS 55KS 55KS 70f Shannon of SERVICES or P	Keep hole al Crew RODUCT	FJI, J C UNIT PRICE 1030.00 4,00 12.55 , 21	TOTAL 1030,00 120,00 1129,50 65,10
ACCOUNT CODE 5405 N 5406 1131 11/8 B	# 3 @ 800' # 4 @ 150' +0 QUANITY OF UNITS 1 30 90 5 K 5 310 #	50' plug w/ 1 50' plug w/ 1 Surface w/ 4 90 Thanks S DESCRIPTION PUMP CHARGE MILEAGE 60/40 POZMU Gel @ 4%	55KS 55KS 55KS 55KS 70H Shannon 4 of SERVICES or P	Keep hole al Crew RODUCT	Full, J c UNIT PRICE 1030.00 4,00 12.55 , 21	TOTAL 1030,00 120,00 1129,50 65,10
ACCOUNT CODE 5405 N 5406 1131 1118 B	# 3 @ 800' # 4 @ 150' +0 QUANITY or UNITS 1 30 90 5k5 310 # 3,87 Tons	50' plug w/ 1 50' plug w/ 1 Surface w/ 4 90 Thanks 3 DESCRIPTION PUMP CHARGE MILEAGE 60/40 POZMI Gel @ 4% Ton mileage	55KS 55KS 55KS 55KS 704 Shannon 4 of SERVICES or P V Cement bulk Tru	Keep hole al Crew RODUCT	FJ/, J C UNIT PRICE 1030.00 4,00 12.55 . 21 M/C	TOTAL 1030,00 120,00 1129,50 65,10 350,00
ACCOUNT CODE 5405 N 5406 1131 11/8 B 5407	# 3 @ 800' # 4 @ 150' +0 QUANITY or UNITS 1 30 90 5K5 310 # 3,87 Tons	50' plug w/ / Surface w/ 4 90 Thanks 5 DESCRIPTION PUMP CHARGE MILEAGE 60/40 POIMU Gel @ 4% Ton mileage	55KS 55KS 55KS 05KS Tot Shannon 4 of SERVICES or P V Cement bulk Tru	Keep hole al Crew RODUCT	Full, J c UNIT PRICE 1030.00 4,00 12.55 .21 M/C	TOTAL 1030,00 120,00 1129,50 65,10 350,00
ACCOUNT CODE 5405 N 5406 1131 11/8 B 5407	# 3 @ 800' # 4 @ 150' +0 QUANITY OF UNITS 1 30 90 5 K 5 310 # 3,87 Tons	50' plug w/ 1 50' plug w/ 1 Surface w/ 4 90 Thanks S DESCRIPTION PUMP CHARGE MILEAGE 60/40 Pozmi Gel @ 4% Ton mileage	55KS 55KS 55KS 05KS Tot Shannon 4 of SERVICES or P V Cement bulk Tru	Keep hole al Crew RODUCT	Full, J c UNIT PRICE 1030.00 4,00 12.55 .21 M/C	TOTAL 1030,00 120,00 1129,50 65,10 350,00
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ACCOUNT CODE 5405 N 5406 113) 1118 B 5407	# 3 @ 800' # 4 @ 150' +0 QUANITY or UNITS 1 30 90 5 k 5 310 # 3,87 Tons	50' plog w/ 1 Surface w/ 4 90 Thanks S DESCRIPTION PUMP CHARGE MILEAGE 60/40 Pozmi Gel @ 4% Ton mileage	SSKS SSKS DSKS TOF Shannon 4 of SERVICES or P K Cement bulk Tru	Keep hole al Crew RODUCT	Full, J c UNIT PRICE 1030.00 4,00 12.55 .21 m/C	06 0mplet TOTAL 1030,00 120,00 120,00 1129,50 65,10 350,00
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ACCOUNT CODE 5405 N 5406 1131 11/8 B 5407	# 3 @ 800' # 4 @ 150' +0 QUANITY or UNITS 1 30 90 SKS 310 # 3,87 Tons	50' plog w/ / Surface w/ 4 90 Thanks 5 DESCRIPTION PUMP CHARGE MILEAGE 60/40 Pozmi Gel @ 4% Ton mileage	SSKS SSKS DSKS TOH Shannon 4 of SERVICES or P X Cement bulk Tru	Keep hole al Crew RODUCT	Full, Jr. c	0 b 0 m plet TOTAL 1030,00 120,00 1129,50 65,10 350,00 350,00
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I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

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ACCOUNT CODE C/JOJS	QUANITY or UNITS	DE PUMP CHARG MILEAGE	SCRIPTION of	SERVICES o	r PRODUCT	UNIT PRICE 825.90 42.00 14.95 74	TOTAL 875.00 120.00 2093.00 292.30
ACCOUNT CODE 52/015 52/06	QUANITY or UNITS	DE PUMP CHARG MILEAGE C/QSS CQCJZ	A Camao	SERVICES o	r PRODUCT	UNIT PRICE 825.90 4.00 /4.95 .74 21	TOTAL 875.00 /20.00 2093.00 292.30 544.60
ACCOUNT CODE 54/01 5 54/06	QUANITY or UNITS 1 30 $140 \le ks$ 395^{40} 265^{10}	DE PUMP CHARG MILEAGE C/QSS CQCJZ Ge/	A Camao 3%	SERVICES o	r PRODUCT	UNIT PRICE 825.90 42.00 /4.95 .74 .21 2.26	TOTAL 875.00 120.00 2093.00 292.30 54.60 164.50
ACCOUNT CODE 2/015 2/05 2/04/5 2/07	QUANITY or UNITS I $\frac{1}{30}$ $\frac{140 \text{ s.ks}}{395^{40}}$ $\frac{260^{40}}{70^{40}}$	DE PUMP CHARG MILEAGE C/QSS CQCJZ Gel Flo-Ce	A Cameo 3% 2%	SERVICES o	r PRODUCT	UNIT PRICE 825.90 4.00 14.95 .74 .21 2.35	TOTAL 875.00 120.00 2093.00 292.30 54.60 164.50
ACCOUNT CODE 52/015 54/06 1/04/5 1/07	QUANITY or UNITS I 30 $J40 \le 55$ 395^{40} 260^{40} 70^{40}	DE PUMP CHARG MILEAGE C/QSS CQSJZ Gel Flo-Ce	A Camen 3% 2%	SERVICES o	r PRODUCT	UNIT PRICE 825.90 4.00 /4.95 .74 .21 2.35	TOTAL 875.00 /20.00 2093.00 292.30 54.60 /64.50
ACCOUNT CODE 2/015 2/015 2/06 2/04/5 2/07 2/128 8 2/07	QUANITY or UNITS 1 30 $140 \le ks$ 395^{40} 265^{40} 70^{40} $140 \le ks$ 395^{40} 265^{40} 70^{40}	DE PUMP CHARG MILEAGE C/QSS CQCJZ Ge/ F/O-Ce	A Camen 3% 2%	SERVICES O	r PRODUCT	UNIT PRICE 825.90 42.00 14.95 .74 .21 2.35 m/C	TOTAL 875.00 120.00 2093.00 292.30 54.60 164.50 350.0
ACCOUNT CODE 2/015 2/015 2/02 2/045 2/02 2/02 2/07	QUANITY or UNITS i 30 $j_{40} \leq k_{5}$ 395^{st} 240^{st} 70^{st} $6.58T_{0.7}$	DE PUMP CHARG MILEAGE C/QSS CQCJZ Gel Flo-Ce Zan M	A CEMED 3% 2% 12 2 per	SERVICES O	r PRODUCT	UNIT PRICE 825.90 4.00 14.95 .74 .21 2.35 m/C	TOTAL 875.00 /20.00 2093.00 292.30 54.60 /64.50 350.0
ACCOUNT CODE 52/015 406	QUANITY or UNITS I 30 $J40 \text{ s.hs}$ 240^{th} 240^{th} 6.58Tan	DE PUMP CHARG MILEAGE C/QSS CQSJZ Gel F10-Ce Ton M R 2 K	A Cemero 3% 2% 12 2 per	SERVICES O T SZERVICES O SZERVICES	r PRODUCT	UNIT PRICE 825.90 4.00 /4.95 .74 .21 2.35 m/C 80.00	TOTAL 875.00 120.00 2093.00 292.30 54.60 164.50 350.0 80.0
ACCOUNT CODE 2/015 4/06 2/04/5 2/07 2/07 5/07 5/07 5/07 5/07 5/07 5/07 5/07 5	QUANITY or UNITS 1 30 $140 \le ks$ 395^{40} 240^{40} 70^{40} 6.5876n 1	DE PUMP CHARG MILEAGE C/QSS CQCJZ Gel Flo-Ce Zon M 8/8 6 St 6	A CEMED 3% 2% 14 2 per 1 dage 2 and son en Tralizer	SERVICES O T SERVICES O T T SERVICES O T SERVICES O T SERVICES O SERVICES O SER	r PRODUCT	UNIT PRICE 825.90 4.00 14.95 .74 .21 2.35 m/c .80.00 69.00	TOTAL 875.00 120.00 2093.00 292.30 54.60 164.50 350.0 80.0 1.33.0
ACCOUNT CODE 2/015 2/015 2/015 2/06 2/045 2/07 5/07 5/07 5/07 5/07 5/07 5/07 5/07 5	QUANITY or UNITS I 30 $J40 \leq Ks$ 395^{40} 265^{40} 70^{40} $6.58T_{GP}$ I 2	DE PUMP CHARG MILEAGE C/QSS CQCJZ Gel Flo-Ce Zon M Str C	A CEMED 3% 2% 12 % per 1 hage 2 h	SERVICES O	r PRODUCT	UNIT PRICE 825.90 4.00 /4.95 .74 .21 2.35 m/C 80.00 69.00	TOTAL 875.00 120.00 2093.00 292.30 54.60 164.50 350.0 80.0 133.0
ACCOUNT CODE 2/015 2/015 2/06 2/045 2/07 2/07 5/07 5/07 5/07 5/07 5/07 5/07 5/07 5	QUANITY or UNITS I 30 $J40 \text{ SK} \text{S}$ 395^{40} 265^{40} 70^{40} 6.58Tan I 2	DE PUMP CHARG MILEAGE C/QSS CQSJZ Gel F10-Ce Ton M 838 G 848 G	A Cemer 3% 2% 12 2 per	SERVICES O T SERVICES O T SERVICES O T SERVICES O T SERVICES O SERVICES O SERVI	r PRODUCT	UNIT PRICE 825.90 4.00 /4.95 .74 .21 2.35 m/C 80.00 69.00	TOTAL 875.00 /20.00 2093.00 292.30 54.60 /64.50 350.0 80.0 /33.0
ACCOUNT CODE 5406 406 407 407 707 707 707 707 707 707 707 707	QUANITY or UNITS $ \begin{array}{c} 1 \\ 3 \\ 0 \\ \hline 1 \\ 3 \\ 0 \\ \hline 2 \\ 4 \\ 5 \\ 7 \\ 0 \\ \hline 1 \\ 2 \\ 1 \\ 2 \\ \hline 1 \\ 2 \\ 2 \\ 1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2$	DE PUMP CHARG MILEAGE C/QSS CQCJZ Ge/ F/O-Ce Zon M 8 1/8 6 8 1/8 6	A Cemen 3% 2% 1/2 2 per	SERVICES O	r PRODUCT	UNIT PRICE 825.90 4.00 14.95 .74 .21 2.35 m/C 80.00 69.00	TOTAL 875.00 120.00 2093.00 292.30 54.60 164.50 350.0 80.0 133.0
ACCOUNT CODE 2/015 2/015 2/05 2/07 2/07 5/07 5/07 5/07 5/07 5/07 5/07 5/07 5	QUANITY or UNITS $ \begin{array}{c} 1 \\ 3 \\ 2 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 5 \\ 5 \\ 3 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5$	DE PUMP CHARG MILEAGE C/QSS CQCJZ Gel Flo-Co Zon M 838 G 838 G	A CEMED A CEMED 3% 2% 1/2 % per 1/2 per 1/	SERVICES O	r PRODUCT	UNIT PRICE 825.90 4.00 /4.95 .74 .21 2.35 m/C 80.00 69.00	TOTAL 875.00 /20.00 2093.00 292.30 54.60 /6450 350.0 80.0 /33.0
ACCOUNT CODE 2/015 2/015 2/06 2/045 2/07 2/07 5/07 5/07 5/07 5/07 5/07 5/07 5/07 5	QUANITY or UNITS I 30 $J40 \text{ SKS}$ 395^{40} 265^{40} 70^{40} 6.58Tan I 2	DE PUMP CHARG MILEAGE C/QSS CQSJZ Gel F10-Ce Ton M 838 G 848 G	A Cemer 3% 2% 4 2 per	SERVICES O	r PRODUCT	UNIT PRICE 825.90 4.00 14.95 .74 .21 2.35 m/C 80.00 69.00	TOTAL 875.00 /20.00 2093.00 292.30 54.60 /64.50 350.0 80.0 /33.0
ACCOUNT CODE 7/015 4/06 7/04/5 7/07 7/07 7/07 7/07 7/07 7/07 7/07 7/	QUANITY or UNITS $ \begin{array}{c} 1 \\ 3 \\ 0 \\ \hline 1 \\ 3 \\ 0 \\ \hline 2 \\ 0 \\ \hline 3 \\ 9 \\ 5 \\ \hline 3 \\ 7 \\ 0 \\ \hline 1 \\ \hline 2 \\ \hline 1 \\ \hline 1 \\ \hline 2 \\ \hline 1 \\ \hline 1 \\ \hline 2 \\ \hline 1 \\ \hline 1 \\ \hline 2 \\ \hline 1 \\ \hline 1 \\ \hline 2 \\ \hline 1 \\ 1 \\ 1 \\ \hline 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$	DE PUMP CHARG MILEAGE C/QSS CQCJZ Ge/ F/O-Ce Tan M 8 1/8 6 8 1/8 6	A Cemen 3% 2% 12 2 per	SERVICES O	r PRODUCT	UNIT PRICE 825.90 4.00 14.95 .74 .21 2.35 m/C 80.00 69.00 	TOTAL 875.00 120.00 2093.00 292.30 54.60 164.50 350.00 133.0 4117.4
ACCOUNT CODE 7/015 7/06 7/045 7/07 7/07 7/07 7/07 7/07 7/07 7/07 7/0	QUANITY or UNITS I 30 $J40 \leq Ks$ 395^{40} 260^{41} 70^{42} $6.58T_{GP}$ I Z	DE PUMP CHARCO MILEAGE C/QSS CQSJZ Gel Flo-Ce Ton M 848 6 848 6	A CEMED A CEMED 3% 2% 12 /2 per 1 /2 per 2 /2 per	SERVICES O	r PRODUCT	UNIT PRICE 825.90 4.00 /4.95 .74 .21 2.35 m/C 80.00 69.00 69.00 5ub Total Sales tax	TOTAL 875.00 120.00 2093.00 292.30 54.60 164.50 350.0 80.0 1.33.0 411.7.4 206.0
ACCOUNT CODE 2/015 4/06 2/045 7/07 7/07 7/07 7/07 7/07 7/07 7/07 7/0	QUANITY or UNITS I 30 $J40 SKT$ 395^{40} 260^{40} 70^{40} $6.58Tan$ I 2	DE PUMP CHARG MILEAGE C/QSS CQSJZ Gel F10-Ce Ton M 838 G 848 C	A Cemer 3% 2% 12 2 per 1 2 per 1 2 per 2 p	SERVICES O	r PRODUCT	UNIT PRICE 825.90 4.00 /4.95 .74 .21 2.35 m/C 80.00 69.00 69.00 5ub Total SALES TAX ESTIMATED TOTAL	TOTAL 875.00 120.00 2073.00 292.30 54.60 164.50 350.0 1.38.0 411.7.4 206.0 4323.4

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form ----

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DIAMOND TESTING

P.O. Box 157

Page 1 of 2 Pages

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HOISINGTON	I, KANSAS 67544
(620) 653-755	0 • (800) 542-7313
BBN	GR1DST1

Company Range Oil Company, Inc.		Lease & Well No. Ba	binger No. 1		
Elevation 1278 GL Formation Viola		Effective Pay		Ft. Ticket No. M403	
Date <u>10-2-12</u> Sec. <u>26</u> Twp.	21S Rang	e10ECounty	Lyon	State Kansas	
Test Approved By Frank S. Mize		Diamond Representative		Mike Cochran	
Formation Test No. 1 Interval Test	ed from	2,500 _{ft. to} 2	2,625 ft. Tota	al Depth 2,625 ft	
Packer Depth 2,495 ft. Siz	e 6 3/4 in.	Packer Depth		ft. Size in.	
Packer Depth2,500 ft. Siz	e6 3/4 in.	Packer Depth		ft. Sizein.	
Depth of Selective Zone Set	ft.				
Top Recorder Depth (Inside)	2,502 ft.	Recorder Nur	mber30	037 Cap6,000 psi	
Bottom Recorder Depth (Outside)	2,622 ft.	Recorder Nur	mber6	884 Cap. 6,275 psi	
Below Straddle Recorder Depth	ft.	Recorder Nun	nber	Cappsi	
Drilling Contractor Summit Drilling Compar	ny - Rig 1	Drill Collar Length		218 ft I.D. 2 1/4 j	
Mud TypeChemicalViscosity	57	Weight Pipe Length		ft I.Din	
Weight 9.3 Water Loss	6.4 _cc	c. Drill Pipe Length	2	2,262 ft I.D. 3 in	
Chlorides800	P.P.M.	Test Tool Length		20 ft Tool Size 3 1/2-IF it	
Jars: Make Sterling Serial Nun	nber Not Run	Anchor Length 30' pe	erf. w/ 95' drill c	ollar Size 4 1/2-FH in	
Did Well Flow? No Reversed Out	No	Surface Choke Size	¹ in. Bo	ottom Choke Size 5/8 ir	
		Main Hole Size	7 7/8 in. T	ool Joint Size 3 1/2-XH ir	
Plow: 1st Open: Weak, 1 in blow decreasing to a su	rface blow after 10 m	ins No blow back during shut ir			
2nd Open: Weak, 1/4 in blow decreasing to a su	surface blow No blo	w back during shut-in			
Recovered 250 ft. of watery mud w/ a thick so	um of oil & a slight od	lor = 1.334000 bbls. (Grind out:	16%-water; 84%-n	nud) Chlorides: 300 Ppm PH: 8.0	
Recovered ft. of					
Recovered ft. of					
Recovered ft. of					
Recovered ft. of					
Recovered ft. of					
Remarks Tool Sample Grind Out: 32%-wate	er; 68%-mud w/ a	a thin scum of oil			
· · ·					
Time Set Packer(s) 5:15 A.M. Tim	ne Started off Bot	tom8:15 A.M	Maximum Te	emperature105°	
Initial Hydrostatic Pressure	(A)1230 _{P.S.I.}			
Initial Flow PeriodMinutes	<u> 30 (</u> B) ¹⁴ P.S.I.	to (C)	⁶⁷ P.S.I.	
Initial Closed In PeriodMinutes	30 (D) ⁸²¹ P.S.I			
Final Flow PeriodMinutes	60 (E	.) ⁷¹ P.S.I	to (F)	¹³⁶ P.S.I.	
Final Closed In PeriodMinutes	60 (G	827 P.S.I.			
Final Hydrostatic Pressure	(H) ¹²²⁰ P.S.I.			

#1