## RECEIVED

Form 3160-4

## MAY A G 2009 UNITED STATES

TIMBL	IN DUPLICATE
	(See other in-
	structions on

FOR APPROVED

	VIVIT U 3 ZUUU UNITED STATES (See otte						structions on	1	IO 1004-0137		
DEPARTMENT OF THE INTERIOR reverse and						reverse side)	Expires December 31, 1991				
Bureau of Land Bureau of Land Management							5 LEASE DESIGNATION AND SERIAL NO.				
Farmington Field Office WELL COMPLETION OR RECOMPLETION REPORT AND LOG*							SF-077652 6 IF INDIAN, ALLOTTEE OR TRIBE NAME				
LETIC	ON OR R		LET	ON REPO	ORT AND I	LOG	* 	_ 6 IF	INDIAN, ALLOTT	EE OR TRIBE NAME	
	OIL WELL	GAS WELL	X	DRY Other				7			
								7 UNIT AGREEMENT NAME			
b. TYPE OF COMPLETION:  NEW   V   WORK   SEED IN.   PLUG   DIFF   DIFF								8 FARM OR LEASE NAME, WELL NO.			
OVER		BACK		RESVR Other			-				
NAME OF OPERATOR								0.45	Oliver SRC 1N		
2 NAME OF OPERATOR  BURLINGTON RESOURCES OIL & GAS COMPANY								3 4	*	R14	
3 ADDRESS AND TELEPHONE NO.							10 F				
PO BOX 4289, Farmington, NM 87499 (505) 326-9700								Bianco Mesa Verde			
ELL (Repo	ort location clea	rly and in acc	ordance	with any State red	quirements)*			1	11. SEC , T., R., M., OR BLOCK AND SURVEY		
Unit J (N	WSE) 1615' I	FSL, 1810'	FEL					) '			
At top prod. interval reported below Unit G (SWNE) 2250' FNL & 1816' FEL							Sec. 25 T31N R12W, NMPM RCVD MAY 8 '09				
							OIL CONS. DIV.				
טווונ ע נס	WINE; 2241	1 14F OF 1024	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							DIST. 3	
	1		14. F	PERMIT NO.	DATE ISSU	ED		1		13. STATE	
			l					Į.		Now Movies	
16. DATE	T.D. REACHED	17 DA	TE COMP	L (Ready to prod.)	i	18. EL	EVATIONS (DF. F	KB RT		New Mexico	
2/9/	09	] :	3/13/09			GL	5958'	KB	5974'		
TVD	21. CIBP/PLUG	BACK T.D., M	ID &TVD					ROTAR	Y TOOLS	CABLE TOOLS	
146'	7353'/7	7087'		1	MANY	"	HILLED BA	lvae		1	
			TOM, NAN		<del></del>	Ь		Iyes	25. WAS DIREC	TIONAL	
Vonde 4	CEAL E0001								SURVEY M.		
					· · · · · · · · · · · · · · · · · · ·			27 WA	S WELL CORED	Yes	
	545116/4				•			No			
			CA	SING RECORD (	Report all strings	set in w	ell)	<u></u>	·		
WEIG	HT, LB./FT.	DEPTH SE		HOLE SIZE				ORD	Al	MOUNT PULLED	
		227'		12 1/4"		sx (124 cf-22 bbls)			3 bbls		
					Cumbons CAD		16 cf- 234 bb		100 hhis		
	J-55	4626		8 3/4"				ols)	100 bbls		
	# J-55 L-80	7356'		8 3/4" 6 1/4"	TOC 4656'; 2						
11.6		7356'	MENT*	<u> </u>			389cf-69bbl)	TU	BING RECORE		
11.6	# <b>J-55 L-80</b> LINER RE	7356' CORD	MENT*	6 1/4"	TOC 4656'; 2	206sx(		TU	BING RECORE	O NCKER SET (MD)	
11.6	# <b>J-55 L-80</b> LINER RE OTTOM (MD)	7356' CORD SACKS CE	MENT*	6 1/4"	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L	206sx(	389cf-69bbl) DEPTH SET ( 7254'	TU (MD)	BING RECORD	ACKER SET (MD)	
D) BO	# <b>J-55 L-80</b> LINER RE	7356' CORD SACKS CE	MENT*	6 1/4"  SCREEN (MD)  32.	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L	- <b>80</b> D, SHO	DEPTH SET ( 7254'  T, FRACTURE	TU (MD)	BING RECORD PA	ACKER SET (MD)	
D) BO	# <b>J-55 L-80</b> LINER RE OTTOM (MD)	7356' CORD SACKS CE	MENT*	6 1/4"  SCREEN (MD)	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L	-80 D, SHO	DEPTH SET 7254' T, FRACTURE ze w/10 bbls	TU (MD) , CEMEI HCL A	BING RECORD PA	ETC.	
D) BO	# <b>J-55 L-80</b> LINER RE OTTOM (MD)	7356' CORD SACKS CE	MENT*	6 1/4"  SCREEN (MD)  32.	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L	-80 D, SHO	DEPTH SET 7254' T, FRACTURE ze w/10 bbls	TU (MD) , CEMEI HCL A	BING RECORD PA	ACKER SET (MD)	
D) BO	# <b>J-55 L-80</b> LINER RE OTTOM (MD)	7356' CORD SACKS CE	MENT*	6 1/4"  SCREEN (MD)  32.	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L	-80 D, SHO	DEPTH SET 7254' T, FRACTURE ze w/10 bbls	TU (MD) , CEMEI HCL A	BING RECORD PA	ETC.	
D) BO	# <b>J-55 L-80</b> LINER RE OTTOM (MD)	7356' CORD SACKS CE	MENT	6 1/4"  SCREEN (MD)  32.	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L	-80 D, SHO	DEPTH SET 7254' T, FRACTURE ze w/10 bbls	TU (MD) , CEMEI HCL A	BING RECORD PA	ETC.	
D) BO	# <b>J-55 L-80</b> LINER RE OTTOM (MD)	7356' CORD SACKS CE	MENT*	6 1/4"  SCREEN (MD)  32.	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L	-80 D, SHO	DEPTH SET 7254' T, FRACTURE ze w/10 bbls	TU (MD) , CEMEI HCL A	BING RECORD PA	ETC.	
D) B(	# J-55 L-80 LINER RE OTTOM (MD)	7356' CORD SACKS CE		6 1/4"  SCREEN (MD)  32. 4654' - 5238'	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L ACI	-80 D, SHO	DEPTH SET 7254' T, FRACTURE ze w/10 bbls	TU (MD) , CEMEI HCL A	BING RECORD PA  NT SQUEEZE, cld, frac w/2 Sand, total N	ETC. ,783 bbls 60Q Foam 2- 1,032,300 SCf	
DI BRODE (Interver Folies	# J-55 L-80 LINER RE OTTOM (MD)	7356' CORD SACKS CE Pr)	Flowing, ga	SCREEN (MD) 32. 4654' - 5238'	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L ACI	-80 D, SHO	DEPTH SET 7254' T, FRACTURE ze w/10 bbls	TU (MD) , CEMEr HCL A Brady	BING RECORD PA  NT SQUEEZE, cid, frac w/2 Sand, total N	ETC.	
D) B(	# J-55 L-80 LINER RE OTTOM (MD) al, size and number	7356' CORD SACKS CE	Flowing, ga	32. 4654' - 5238'	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L  ACI  ODUCTION and type of pump)	-80 D, SHO	DEPTH SET (7254' T, FRACTURE, 22 w/10 bbls 1,340# 20/40 i	TU (MD) , CEMEr HCL A Brady	BING RECORD PA  NT SQUEEZE, cld, frac w/2 Sand, total N	ETC. ,783 bbls 60Q Foam 2- 1,032,300 SCf	
DRD (Interve	# J-55 L-80 LINER RE OTTOM (MD) al, size and number	7356' CORD SACKS CE SACKS CE  ON METHOD (I Flowi CHOKE SIZE	Flowing, gz ng  PROD'	32. 4654' - 5238' PRI SUH, pumping-size	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L  ACI  ODUCTION and type of pump)	-80 D, SHO   Acidi   w/100	DEPTH SET (7254' T, FRACTURE, 22 w/10 bbls 1,340# 20/40 i	TU (MD) , CEMEr HCL A Brady	BING RECORD  PA  NT SQUEEZE, cid, frac w/2 Sand, total N  WELL STATUS (I	ETC. ,783 bbls 60Q Foam 2- 1,032,300 SCf	
DRD (Interve	PRODUCTION	7356' CORD SACKS CE  Pr) ON METHOD (I Flowi CHOKE SIZE 1/2"	Flowing, ga ng PROD' TEST F	SCREEN (MD)  32. 4654' - 5238'  PRI 35 lift, pumping-size  N FOR OIL	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L  ACI  ODUCTION and type of pump) BBL	-80 D, SHO   Acidi   w/100	DEPTH SET (7254'  T, FRACTURE (22 w/10 bbls 1),340# 20/40 l	(MD) , CEMER HCL A Brady	BING RECORD  PA  NT SQUEEZE, cid, frac w/2. Sand, total N  WELL STATUS (I	ETC.  783 bbls 60Q Foam 2-1,032,300 SCf  Producing or shul-in)	
DRD (Interve	# J-55 L-80 LINER RE OTTOM (MD) al, size and number	7356' CORD SACKS CE SACKS CE  ON METHOD (I Flowi CHOKE SIZE	Flowing, ga	SCREEN (MD)  32. 4654' - 5238'  PRI 35 lift, pumping-size  N FOR OIL	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L  ACI  ODUCTION and type of pump)	-80 D, SHO   Acidi   W/100	DEPTH SET (7254'  T. FRACTURE, 22 w/10 bbls 0,340# 20/40 l	(MD) , CEMER HCL A Brady	BING RECORD PA  NT SQUEEZE, cid, frac w/2. Sand, total N  WELL STATUS (I	ETC.  783 bbls 60Q Foam 2-1,032,300 SCf  Producing or shul-in)	
DRD (Interve	PRODUCTION	ON METHOD (I CHOKE SIZE  1/2"  CALCULATED	Flowing, ga	SCREEN (MD)  32. 4654' - 5238'  PRI 35 lift, pumping-size  N FOR OIL	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L  ACI  ODUCTION and type of pump)  BBL  GAS-MCF	-80 D, SHO Acidi w/100	DEPTH SET (7254'  T, FRACTURE (20 w/10 bbis 1),340# 20/40 I	(MD) , CEMER HCL A Brady	BING RECORD PA  NT SQUEEZE, cid, frac w/2. Sand, total N  WELL STATUS (I	ETC.  783 bbls 60Q Foam 2-1,032,300 SCf  Producing or shul-in)	
DRD (Interve	PRESSURE	7356' CORD SACKS CE  Pr) ON METHOD (I Flowi CHOKE SIZE 1/2" CALCULATED 24-HOUR RAT	Flowing, ga	SCREEN (MD)  32. 4654' - 5238'  PRI 35 lift, pumping-size  N FOR OIL	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L  ACI  ODUCTION and type of pump) BBL	-80 D, SHO Acidi w/100	DEPTH SET (7254'  T, FRACTURE (22 w/10 bbis 1),340# 20/40 i	(MD) , CEMER HCL A Brady	BING RECORD PA  NT SQUEEZE, cid, frac w/2. Sand, total N  WELL STATUS (I	ETC.  783 bbls 60Q Foam 2-1,032,300 SCf  Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)	
DRD (Interverse Folies  HOURS:  CASING  Cold, usee  To b	PRODUCTION PRESSURE  640#	7356' CORD SACKS CE  Pr) ON METHOD (I Flowi CHOKE SIZE 1/2" CALCULATED 24-HOUR RAT	Flowing, ga	SCREEN (MD)  32. 4654' - 5238'  PRI 35 lift, pumping-size  N FOR OIL	TOC 4656'; 2 30. SIZE 2 3/8" 4.7# L  ACI  ODUCTION and type of pump)  BBL  GAS-MCF	-80 D, SHO Acidi w/100	DEPTH SET (7254'  T, FRACTURE (20 w/10 bbis 1),340# 20/40 I	(MD) , CEMER HCL A Brady	BING RECORD  PA  NT SQUEEZE, cld, frac w/2  Sand, total N  WELL STATUS (I SI R-BBL	ETC.  783 bbls 60Q Foam 2-1,032,300 SCf  Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)	
11.6i D) BR  DRD (Interverse Folies  HOURS 1 CASING I To b	PRODUCTION PRESSURE  640# d for fuel, vented, see sold	7356' CORD SACKS CE ST) ON METHOD (I Flowi CHOKE SIZE 1/2" CALCULATED 24-HOUR RAT	Flowing, ga	SCREEN (MD)  32. 4654' - 5238'  PRI 35 lift, pumping-size  N FOR OIL	ODUCTION and type of pump)  BBL  GAS-MCF  2567 mcf	-80 D, SHO Acidi w/100	DEPTH SET (7254'  T. FRACTURE, 22 W/10 bbls 1,340# 20/40 I	CEMEI HCL A Brady	BING RECORD PA  NT SQUEEZE, cld, frac w/2 Sand, total N  WELL STATUS (I SI R-BBL bw  TEST WITNESSE ACCEPT	ETC.  783 bbls 60Q Foam 2-1,032,300 SCf  Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)	
	ATOR GTON R GTON R GELEPHON 1289, Farr FELL (Reported Unit J (N al reported Unit G (S 16. DATE 2/9/ aTVD 146' RVAL (S) OF Verde 4 D OTHER LO L	ATOR GTON RESOURCES TELEPHONE NO. 1289, Farmington, NM TELL (Report location clean Unit J (NWSE) 1615' I al reported below Unit G (SWNE) 2241'  16. DATE T.D. REACHED 2/9/09 ATVD 21. CIBP/PLUC 146' 7353'/7 RVAL (S) OF THIS COMPLETI  Verde 4654' - 5238' D OTHER LOGS RUN L	OIL WELL GAS WELL  LETION:  ATOR GTON RESOURCES OIL & GAS TELEPHONE NO.  1289, Farmington, NM 87499  TELL (Report location clearly and in acculurity of the second of the	OIL WELL GAS WELL X  LETION:  WORK DEEP-EN PLUG BACK  ATOR  GTON RESOURCES OIL & GAS CO  TELEPHONE NO.  1289, Farmington, NM 87499 (505)  TELL (Report location clearly and in accordance  Unit J (NWSE) 1615' FSL, 1810' FEL  al reported below Unit G (SWNE) 2  Unit G (SWNE) 2241' FNL & 1824' FEL  14. F  15. DATE T.D. REACHED 17 DATE COMPI  2/9/09 3/13/09  146' 7353'/7087'  RVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAN  Verde 4654' - 5238'  DOTHER LOGS RUN  L  CA  WEIGHT, LB/FT. DEPTH SET (MD)	OIL WELL GAS WELL X DRY Other OTHER LOGS RUN L.ETION:    X	OIL WELL GAS WELL X DRY Other  LETION:  WORK DEEP-EN BACK DIFF RESVR OTHER  ATOR  GTON RESOURCES OIL & GAS COMPANY  TELEPHONE NO.  1289, Farmington, NM 87499 (505) 326-9700  TELL (Report location clearly and in accordance with any State requirements)*  Unit J (NWSE) 1615' FSL, 1810' FEL  all reported below Unit G (SWNE) 2250' FNL & 1816' FEL  Unit G (SWNE) 2241' FNL & 1824' FEL  14. PERMIT NO. DATE ISSU  15. DATE T.D. REACHED 17 DATE COMPL (Ready to prod.)  2/9/09 3/13/09  8TVD 21. CIBP/PLUG, BACK T.D., MD &TVD 22 IF MULTIPLE COMPL., HOW MANY*  2 TVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*  Verde 4654' - 5238'  DOTHER LOGS RUN  L  CASING RECORD (Report all strings)  WEIGHT, LB/FT. DEPTH SET (MD) HOLE SIZE TOP OF CE	LETION:    X   WORK   DEEP-EN   PLUG   DIFF RESVR   Other     X   WORK   DEEP-EN   PLUG   DIFF RESVR   Other     ATOR   GTON RESOURCES OIL & GAS COMPANY     TELEPHONE NO.   1289, Farmington, NM 87499   (505) 326-9700     TELL (Report location clearly and in accordance with any State requirements)*     Unit J (NWSE) 1615' FSL, 1810' FEL     all reported below   Unit G (SWNE) 2250' FNL & 1816' FEL     Unit G (SWNE) 2241' FNL & 1824' FEL       14. PERMIT NO.   DATE ISSUED     16. DATE T.D. REACHED   17 DATE COMPL (Ready to prod.)   18. EL     2/9/09   3/13/09   GL     ATOR   GL   GL   GL   GL     14. PERMIT NO.   DATE ISSUED     16. DATE T.D. REACHED   17 DATE COMPL (Ready to prod.)   18. EL     2/9/09   3/13/09   GL     16. DATE T.D. REACHED   17 DATE COMPL (Ready to prod.)   18. EL     16. DATE T.D. REACHED   17 DATE COMPL (Ready to prod.)   22. IN HOW MANY*   2. IN HOW MANY*   3. I	CASING RECORD (Report all strings set in well)  DIFF RESVR Other  CASING RECORD (Report all strings set in well)  DIFF RESVR Other  Oth	OIL WELL GAS WELL DRY OTHER  LETION:  WORK OVER DEEP-EN PLUG DIFF RESVR OTHER  ATOR  GTON RESOURCES OIL & GAS COMPANY  TELEPHONE NO.  1289, Farmington, NM 87499 (505) 326-9700  TELL (Report location clearly and in accordance with any State requirements)*  Unit J (NWSE) 1615' FSL, 1810' FEL  al reported below Unit G (SWNE) 2250' FNL & 1816' FEL  Unit G (SWNE) 2241' FNL & 1824' FEL  14. PERMIT NO. DATE ISSUED 12. CIBP/PLUG, BACK T D. MD &TVD 22 IF MULTIPLE COMPL, HOW MANY*  27. 146' 7353'/7087'  RIVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)'  Verde 4654' - 5238'  DOTHER LOGS RUN 27. WA  CASING RECORD (Report all strings set in well)  WEIGHT, LB/FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD	CASING RECORD (Report all strings set in well)  7 UNIT AGREEMENT  8 FARM OR LEASE N  7 UNIT AGREEMENT  8 FARM OR LEASE N  9 API WELL NO  30-045-348  10 FIELD AND POOL  8 Blanco Me  11 SEC, T., R., M., O  OR AREA  Sec. 25 T3  12 COUNTY OR PARISH  San Juan  18. DATE T.D. REACHED  21. CIBP/PLUG, BACK T D., MD &TVD  22 IF MULTIPLE COMPL.  HOW MANY'  146'  7353'/7087'  2 POTHER LOGS RUN  L  CASING RECORD (Report all strings set in well)  CASING RECORD (Report all strings set in well)  WEIGHT, LBJFT.  DIVING RECORD (Report all strings set in well)	

**Staff Regulatory Technician** \*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

TITLE

FARMING 5/5/09ELT OFFICE

757′	833′	White, cr-gr ss.	, •	Ojo Alamo	757′
833′	2045′	Gry sh interbedded w/tight, gry,	fine-gr ss.	Kirtland	833′
2045′	2551′	Dk gry-gry carb sh, coal, grn si	lts, light-	Fruitland	2045
		med gry, tight, fine gr ss.			
2551'	2690'	Bn-Gry, fine grn, tight ss.		Pic.Cliffs	2551'
2690′	3359′	Shale w/siltstone stringers		Lewis	2690′
3359′	3739'	White, waxy chalky bentonite		Huerfanito Bent.	3359′
3739′	4219'	Gry fn grn silty, glauconitic sd	stone	Chacra	3739′
		w/drk gry shale		Mesa Verde	4219'
4219′	4450'	Light gry, med-fine gr ss, carb	sh	Menefee	4450′
		& coal		Point Lookout	4998'
4450′	4998'	Med-dark gry, fine gr ss, carb s	h & coal	Mancos	5368′
4998'	5368'	Med-light gry, very fine gr ss w	/frequent	Gallup	6300′
	•	sh breaks in lower part of forma	tion	Greenhorn	7031′
5368′	6300′	Dark gry carb sh.		Graneros	7084'
6300′	7031′	Lt gry to brn calc carb micac gl	auc	Dakota	7147′
		silts & very fine gr gry ss w/ir	reg.interbed sh		
7031′	7084′	Highly calc gry sh w/thin lmst.			
7084′	7147′	Dk gry shale, fossil & carb w/py	rite incl.		
7147′	7254′	Lt to dk gry foss carb sl calc s	l silty		
		ss w/pyrite incl thin sh bands c	lay & shale breaks	3	
	833', 2045', 2551', 2690', 3359', 3739', 4219', 4450', 4998', 5368', 6300', 7031', 7084',	833' 2045' 2045' 2551' 2551' 2690' 2690' 3359' 3359' 3739' 3739' 4219' 4219' 4450' 4450' 4998' 4998' 5368' 5368' 6300' 6300' 7031' 7031' 7084' 7084' 7147'	833' 2045' Gry sh interbedded w/tight, gry, 2045' 2551' Dk gry-gry carb sh, coal, grn si med gry, tight, fine gr ss. 2551' 2690' Bn-Gry, fine grn, tight ss. 2690' 3359' Shale w/siltstone stringers 3359' 3739' White, waxy chalky bentonite 3739' 4219' Gry fn grn silty, glauconitic sd w/drk gry shale 4219' 4450' Light gry, med-fine gr ss, carb & coal 4450' 4998' Med-dark gry, fine gr ss, carb se 4998' 5368' Med-light gry, very fine gr ss w sh breaks in lower part of forma 5368' 6300' Dark gry carb sh. 6300' 7031' Lt gry to brn calc carb micac gl silts & very fine gr gry ss w/ir 7031' 7084' Highly calc gry sh w/thin lmst. 7084' 7147' Dk gry shale, fossil & carb w/py 7147' 7254' Lt to dk gry foss carb sl calc s	833' 2045' Gry sh interbedded w/tight, gry, fine-gr ss. 2045' 2551' Dk gry-gry carb sh, coal, grn silts, light- med gry, tight, fine gr ss. 2551' 2690' Bn-Gry, fine grn, tight ss. 2690' 3359' Shale w/siltstone stringers 3359' 3739' White, waxy chalky bentonite 3739' 4219' Gry fn grn silty, glauconitic sd stone w/drk gry shale 4219' 4450' Light gry, med-fine gr ss, carb sh & coal 4450' 4998' Med-dark gry, fine gr ss, carb sh & coal 4998' 5368' Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation 5368' 6300' Dark gry carb sh. 6300' 7031' Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg.interbed sh 7031' 7084' Highly calc gry sh w/thin lmst. 7084' 7147' Dk gry shale, fossil & carb w/pyrite incl. 7147' 7254' Lt to dk gry foss carb sl calc sl silty	833' 2045' Gry sh interbedded w/tight, gry, fine-gr ss. Kirtland 2045' 2551' Dk gry-gry carb sh, coal, grn silts, light- med gry, tight, fine gr ss.  2551' 2690' Bn-Gry, fine grn, tight ss. 2690' 3359' Shale w/siltstone stringers 3359' 3739' White, waxy chalky bentonite 3739' 4219' Gry fn grn silty, glauconitic sd stone w/drk gry shale 4219' 4450' Light gry, med-fine gr ss, carb sh coal 4450' 4998' Med-dark gry, fine gr ss, carb sh & coal 4450' 4998' Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation 5368' 6300' Dark gry carb sh. 6300' 7031' Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg.interbed sh 7031' 7084' Highly calc gry sh w/thin lmst. 7084' 7147' Dk gry shale, fossil & carb w/pyrite incl.