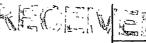
Form 3160-5 (March 2012)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**



FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2014

6. If Indian, Allottee, or Tribe Name

SEP 05 20 Jicarilla Contract 155

SUNDRY NOTICES AND REPORTS ON WELLS	A .	57, ~ 5	ç.
SUNDRY NOTICES AND REPORTS ON WELLS To not use this form for proposals to drill or to re-enter an	Sec. 11.		سدنځ د د

abandoned well. Use Form 3160-3 (APD) for such proposals.

Jicarilla Apache Tribe

SUBMIT IN	TRIPLICATE - Other Insti	ructions on page 2.		7. If Unit of CA/A	greement Name and/or No.
Type of Well Oil Well	X Gas Well O	ther		8. Well Name and Jicarilla Cont	
2. Name of Operator				9. API Well No.	
Enervest Operating, LLC				30-039-06231	
3a. Address 1001 Fannin ST., Suite 800 Hou	ston, Tx. 77002	3b. Phone No. (included 713-659-3500	de area code)	10. Field and Pool, Basin Dakota	, or Exploratory Area
4. Location of Well (Footage, Sec., T., R 1700' FSL, 1850' FWL, (UL K)	., M., or Survey Description)			11. County or Paris Rio Arriba, N	
12. CHECK THE APPROP	RIATE BOX(ES) TO INDIC	CATE NATURE OF NOTI	CE, REPORT, O	R OTHER DATA	
TYPE OF SUBMISSION		1	TYPE OF ACTION	1	
X Notice of Intent	Acidize	Deepen	Production	(Start/ Resume)	Water Shut-Off
	Alter Casing	Fracture Treat	Reclamatio	n	Well Integrity
Subsequent Report Casing Repair		New Construction	Recomplete	e	Other ·
RP 1	Change Plans	X Plug and Abandon	Temporaril	y Abandon	<u> </u>
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disp	oosal	
13. Describe Proposed or Completed Ope					

Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notice must be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Enervest Operating, LLC proposes to plug and abandon this well due to low production and casing integrity issues. P&A will RCVD SEP 15'14 commence +/- Sept. 9, 2014 per attached procedure.

> OIL CONS. DIV. DIST. 3

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

Notify NMOCD 24 hrs prior to beginning operations

SEE ATTACHED FOR **CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Name (Printed Typed)			
Michelle Doescher	Title	Datulata	v Consultant
With the description	11110	Returator	y Consultant
Signature Micrelle for cher	Date		ber 5, 2014
THIS SPACE FOR FEDE	RAL OR STA	TE OFFICE USE	
Approved by Troy Salvers	Title	ctroleum Eng.	Date 9 8 2014
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify			
that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	FFO	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowing	ngly and willfully to i	nake any department or agency of the	United States any false,

fictitious or fraudulent statements or representations as to any matter within its jurisdiction (Instructions on page 2)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT FARMINGTON DISTRICT OFFICE

6251 COLLEGE BLVD. FARMINGTON, NEW MEXICO 87402

Attachment to notice of Intention to Abandon:

Re: Permanent Abandonment

Well: Jicarilla 155 #12

CONDITIONS OF APPROVAL

- 1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
- 2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
- 3. The following modifications to your plugging program are to be made:
 - a) Bring the top of plug #2 to 5857 ft. to cover the Gallup formation top. Adjust cement volume accordingly.
 - b) Set plug #3 (5482-5382) ft. to cover the Mancos formation top.
 - c) Set a plug (3642-3542) ft. to cover the Chacra formation top.
 - d) Set plug #5 (2764-2040) ft. to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo formation tops. Adjust cement volume accordingly.
 - e) Set a plug (895-795) ft. to cover the Nacimiento formation top.

Operator will run a CBL to verify cement top. Outside plugs may be required, based on CBL result. Submit electronic copy of the log for verification to the following BLM and OCD address: tsalvers@blm.gov, Brandon.Powell@state.nm.us

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

PLUG AND ABANDONMENT PROCEDURE

September 4, 2014

Jicarilla Contract 155 #12 Basin Dakota

1700' FSL, 1850' FWL, Section 32, T26N, R5W, Rio Arriba County, New Mexico API 30-039-06231

- 1. Run CBL on lower portion of hole*
- 2. Plug #1 (Dakota perforations and top, 6862' 6762'): RIH w/ 4.5" packer and CIBP. Set 4.5" CIBP at 6862'. Pressure test CIBP. Mix 8 sxs (11.04 ft³) of cement and spot above the CIBP to isolate the Dakota interval. PUH.

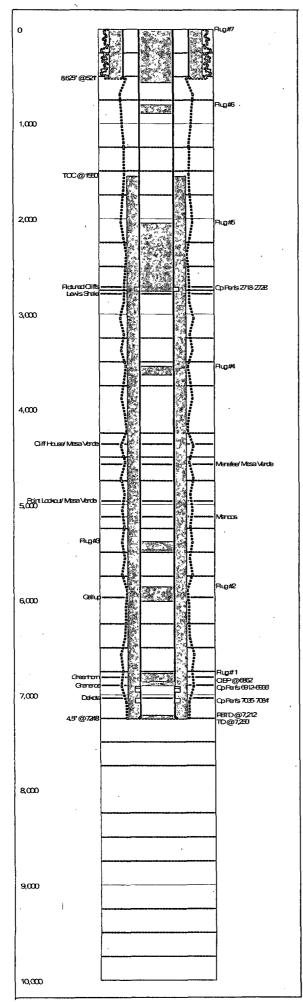
Sec COA

- 3. Plug #2 (Gallup top, 6020' 5920'): Spot 8 sxs (11 ft³) of cement inside casing to cover the Gallup top. PUH.
- 4. Plug #3 (Mancos top, 4960' 4860'): Spot 8 sxs (11 ft³) of cement inside casing to cover the Mancos top. PUH.
- 5. Plug #4 (Mesaverde top, 4413' 4313'): Spot 8 sxs (11 ft³) of cement inside casing to cover the Mesaverde top. POOH.

See COA

- 6. Plug #5 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 2668' 1822'): RIH w/ 4.5 CIBP and packer. Set CIBP at 2668' and pressure test. Spot 68 sxs (93 ft³) cement inside casing to isolate the Pictured Cliffs interval and cover through the Ojo Alamo top. PUH.
- 7. Plug #6 (8.625" Surface casing shoe, 571' to Surface): Mix approximately 46 sxs (63 ft³) of cement and spot a balanced plug from 571' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC.
- 8. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

*If CBL indicates no cement behind pipe at formation top, cement plug will be run both inside and outside of casing using 100% excess over casing annular volume or 100 ft of plug outside with excess to give 50 ft above top.



Last Updated: 9/24/2014 12:23 PM

Field Name	}			լե	ease	Name				Well No.	
Tapicito		,		Ji	carilla	arilla Contract 155				12	
County, St	ate			-						No.	
Rio Arriba,	Nev	v Mexico						3	003	9062310000	
Version		Version	Tag								
	2	Propose	d P8	ĿΑ							
G.L. (ft)	K.	B. (ft)	Sec		Tow	nship/	Block	R	anç	ge/Survey	
6,457.0	T	6,469.0	32		26N			5	W		
Operator	Operator We						Latitu	de		Longitude	
ENERVES L C Footage C		PERATIN	G L	Activ	e						
PropNum						Spud	Data		10.	omp. Date	
Propivum						Spua					
							1/21	/1961		3/13/1961	
Additional	Inf	ormation									
1.700' ESI		,850 FWL outh/Basir			26N	R05W	(UL K)				
Blanco P.C	. 00		Updated By						ated		
			Up	dated	Ву		La	ist Up	dat	ted	

Hole Summary

	Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
Γ		12.250	0	521	
ľ		7.875	521	7,250	PBTD @ 7,212'TD @ 7,250'

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	8.625	20.00	X-52	0	521
	Production Casing	4.500	9.50	J-55	. 0	7,248

Casing Cement Summary

Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	390	8.625	0	521	
	875	4,500	1,550	7,250	TOC per CBL

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
	CIBP	4.500	0.000	6,862	0

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		4.500	a	571	Plug #7
		4.500	795	895	Plug #6
		4.500	2,040	2,764	Plug #5
		4.500	3,542	3,642	Plug #4
		4.500	5,382	5,482	Plug #3
		4.500	5,857	6,020	Plug #2
		4.500	6,762	6,862	Plug # 1
		4.500	7,212	7,250	PBTD @ 7,212'

С	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
Γ		Open	Pictured Cliffs	2,718	2,728	42
Г		Open	Graneros	6,912	6,936	84
		Open	Dakota	7,035	7,084	30

Formation Tops Summary

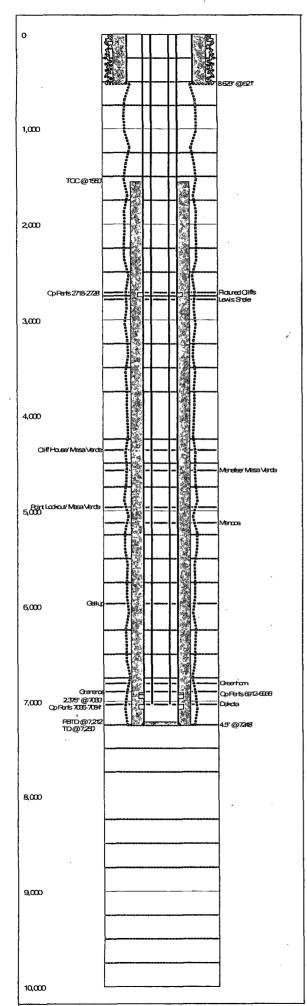
Formation	Top (MD ft)	Comments
Pictured Cliffs	2,712	
Lewis Shale	2,785	
Cliff House/ Mesa Verde	4,363	
Menefee/ Mesa Verde	4,575	
Point Lookout/ Mesa Verde	4,960	
Mancos	5,125	
Gallup	5,970	· ;
Greenhorn	6,809	
Graneros	6,896	
Dakota	7,032	

RCUD SEP 25 '1/1

OIL CONS. DIV. DIST 3

Last Updated: 9/24/2014 12:23 PM

Last Up	date	d: 9/3	24/20	14 1	2:23	ЬM											
Field Name			IL	ease	Name			٧	Vell No.	Count	y, St	tate		API No.			
Tapicito			J	licarilla	Contr	act 155		1	2	Rio Ar	riba,	New Mexico		3003906	23100	000	
Version	Ver	sion Tag									Ţ	Spud Date	Comp. Date	G.L. (ft)	7	K.B. (ft)
	2 Pro	posed P8	Α								_	1/21/1961	3/13/1961	6.4	57.0		6,469.
Sec.	Towns	hip/Bloci	(Tř	Range/	Survey		F	ootage Call		_+		·	<u> </u>			
	26N				5W			一十									
Operator				`		īw	ell Status			Ti.	atitu	ide	Longitude	16	ropN	um	
ENERVEST	OPFR	ATING	. C				tive							<u> </u>	6,4,		
Last Update				Te	Prepare						_	Updated By	L				
09/24/2014 1		264			Bart Tre							Bart Trevino					
Additional I					Dan III	MINO		<u> </u>				Bait Hevino				-	
			- 00 700		,	10											
1,700' FSL 8 Blanco P.C.				N RUS	טע (טנ	K)											
Hole Summa		Dadiii Daii															
Date	0.D.	Top	I Bo	ttom	T						`O.BO.	nents					
· Date	(in)	(MD		D ft)								ileilta					
	12.2	50	0	521	1												
	7.8	75	521	7,250	PBT	0 @ 7,21	2'TD @ 7	250'				······································					
Tubular Sun	nmary																
Date		Descripti	on	N	0. 1	O.D.	Wt G	rade	Тор	Botton	<u>-</u> T		Comn	nents			
							b/ft)		(MD ft)	(MD ft							
	Surface	: Casing		T		8.625	20.00	<-52	9		521						
	Produc	tion Casin	g	T		4.500	9.50	J-55	0	7,3	248						
Casing Cem	ent Su	ımmary		-													
Date	No.	Yield	Vol.	Csg	. T	Тор	Botton	n	Desc	ription		Т	Cor	nments			
	Sx	(cuft/sk)	(cuft)	O.D. (in) (MD ft)	(MD ft										
	390	.00	0	8.6		o		521									
	875	.00	0	4.5	00	1,550	7,	250				TOC per	CBL				
Tools/Proble	ems S	ummary															
Date		Tool Ty	/pe		O.D.	1.0		op	Bottom	Des	cripti	ion		Comment	s		
		-4 I ^ ·	da. 51		(in)	(ir		D ft)	(MD ft)								
		st Iron Bri	uge Plug	1	4.5	600 (0.000	6,862	9								
Cement Plu				y													
Date	No.	O.D.	Top		ttom						С	omments					
	Sx	(in) 4.500	(MD ft)	ol (W	ID ft) 571	Plug #7											
		4.500	79	1		Plug #6											
		4.500	2,04			Plug #5											
		4.500	3,54			Plug #4											
		4.500	5,38			Plug #3											
		4.500	5,85			Plug #2											
		4.500	6,76			Plug # 1											
		4.500	7,21	12	7,250	PBTD @	0 7,212										
Perforation														1			
C Date	P	erf. Statu			ormatic	on	1					Comment	s				
	Оре	n	Pic	tured													
Top		Botto		SPF	F	Shots	Phasing	(deg)			Interva	1 Comments				
(MD ft)	2,718	(MD 1	t) 2,728		-	4	2		20,000,00	water will	180/	KCI & 7# \A/C	6/1,000 gal, 15	000# 207	40 cor	rd & E	000#
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C Date		erf. Statu	s T	F	ormatic	on	 		1			Comment	<u> </u>				
H	Оре			aneros			 										
Тор		Botto		SPF		Shots	Phasing	(dea	<u> </u>			Interva	I Comments				
(MD ft)		(MD t	t)				<u> </u>		1								
	6,912		6,922		6	6	0 .					gal Dowell J-	98 additive w/19	% CaCl, 2	23,000	# san	d, &
	6 020		6020						1,000 alum	<u> </u>		to pump into i	ntonyal				
	6,930		6,936			2	1		attempted t	o nac, ur	-anic						
C Date		erf. Statu			ormatic	on	 				•	Comment	5				
	Оре			kota			<u> </u>										
Top	, 7	Botto		SPF	F -	Shots	Phasing	(deg	η			Interva	l Comments				
(MD ft)	7,035	(MD I	7,084		2	3	ol .		25.600 gal	water 20	0,000	# 20/40 sand /	3 5,000# 10/20	sand			
Formation 1		mmary							1 1 2 9-31								
			Ton /s	ID 61	т—-						Com	ments					
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Forma	tion N	w1110															
				2,712	2							· 					
Pictured Cliff	fs	uing															
Pictured Cliff Lewis Shale	fs			2,785							_						
Pictured Cliff Lewis Shale Cliff House/	fs Mesa \	/erde		2,785 4,363	3												
Pictured Cliff Lewis Shale Cliff House/ I Menefee/ Me	fs Mesa \ esa Ve	/erde rde		2,785 4,363 4,575	5												
Pictured Cliff Lewis Shale Cliff House/1 Menefee/Me Point Lookou	fs Mesa \ esa Ve	/erde rde		2,785 4,363 4,575 4,960	5 3 5												
Pictured Cliff Lewis Shale Cliff House/ Me Menefee/ Me Point Lookou Mancos	fs Mesa \ esa Ve	/erde rde		2,785 4,363 4,575 4,960 5,125	5 3 5												
Pictured Cliff Lewis Shale Cliff House/ Menefee/ Me Point Lookou Mancos Gallup	fs Mesa \ esa Ve	/erde rde		2,785 4,363 4,575 4,960 5,125 5,970	5 5 5												
Pictured Cliff Lewis Shale Cliff House/ I Menefee/ Me Point Lookot Mancos Gallup Greenhorn	fs Mesa \ esa Ve	/erde rde		2,785 4,363 4,575 4,960 5,125 5,970 6,809	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5												
Pictured Cliff Lewis Shale Cliff House/ Menefee/ Me Point Lookou Mancos Gallup	fs Mesa \ esa Ve	/erde rde		2,785 4,363 4,575 4,960 5,125 5,970	5 5 5 5 7 8												



Last Updated: 9/24/2014 12:25 PM

Field Name	•			Le	ease	Name				Well No.	
Tapicito				Ji	carilla	Contra	act 155			12	
County, St	ate					API N				o	
Rio Arriba,	Nev	v Mexico						30	039	062310000	
Version	Version										
	1	Current									
G.L. (ft) K.B. (ft) Sec.					Tow	mship/	Block	R	ang	e/Survey	
6,457.0	6,469.0		26N			51	Ν				
Operator	_			Well	Stat	us	Latitude			Longitude	
ENERVEST L C Footage Ca		PERATIN	G L	Activ	e					,	
PropNum						Spud	Date		Co	mp. Date	
		· · · ·				1/21/1961				3/13/196	
Additional	Info	mation				•	*		٠		
1,700' FSL Blanco P.C					26N	R05W	(UL K)				
Prepared By Updated By							Last Updated			ed	
riepaieu c	Bart Trevino Bart Trevino						9/24/2014 12:25 PM				

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments		
	12.250	0	521			
	7.875	521	7,250	PBTD @ 7,212'TD @ 7,250'		

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	8.625	20.00	X-52	0	521
	Production Casing	4.500	9.50	J-55	0	7,248
	Tubing	2,375	4.70	J-55	O	7,030

Casing Cement Summary

Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	390	8.625	0	521	
	875	4.500	1,550	7,250	TOC per CBL

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		4.500	7,212	7,250	PBTD @ 7,212'

Perforation Summary

С	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
П	-	Open	Pictured Cliffs	2,718	2,728	42
М		Open	Graneros	6,912	6,936	84
П		Open	Dakota	7,035	7,084	30

Formation Tops Summary

Formation	Top (MD ft)	Comments
Pictured Cliffs	2,712	
Lewis Shale	2,785	
Cliff House/ Mesa Verde	4,363	
Menefee/ Mesa Verde	4,575	
Point Lookout/ Mesa Verde	4,960	
Mancos	5,125	
Gallup	5,970	
Greenhorn	6,809	
Graneros	6,896	
Dakota	7,032	

RCVD SEP 25'14

OIL COMS. DIV.

DIST. 3

Field Nam	ne .			Leas	e Na	ne		Well No. County,			ty, Sta	te		API No.		
Tapicito				Jicar	illa Co	ntract 155	i		12	Rio Ar	riba, N	lew Mexico		3003906231	0000	
Version	Ve	rsion	Tag						········		St	pud Date	Comp. Date	G.L. (ft)	K.B. (ft)	
	1 Cu	rrent		,,		_						1/21/1961	3/13/1961	6,457	0 6,469	
Sec.	Town	ship/i	Block		Ran	ge/Survey	,	Footage Call								
32	26N				5W											
Operator	<u></u>						Well Sta	itus		TL	atitud	le	Longitude	Pro	Num	
ENERVES	NERVEST OPERATING L L C						Active									
Last Upda						pared By					u	Jpdated By				
09/24/2014	9/24/2014 12:25 PM Bart Trevir					Trevino		Bart Trevino								
Additional	l Inform	ation			-		,	· · · · · · · · · · · · · · · · · · ·	***************************************							
1,700' FSL Blanco P.C Hole Sumi	C. South				05W	(UL K)			**							
Date	O.E		Тор	Bottor	n		Comments									
	(in		(MD ft)	(MD fi												
	1	25U 875	521		21	DTD @ 7:	MAITE A	A 7 050								
Tubular Si			521	7,2	ou P	BTD @ 7,2	21210 (y 1,250°				····				
Date	T		cription		No.	O.D.	Wt	Grade		Botton			Comm	nents		
	ļ.,				Jts	(in)	(lb/ft)	V 50	(MD ft)	(MD ft						
	Surfac					8.625	20.00	X-52	0		521					
		oduction Casing				4.500	9.50	J-55	0		248					
	Tubin					2.375	4.70	J-55	0	7,0	030					
Casing Ce																
Date	No. Sx	Yie (cuft			sg. . (in)	Top (MD ft)		ttom Description			Comments					
	390	390 .00 0			3.625		d	521				1				

Coment	Dina	Sun	manı

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		4.500	7,212	7,250	PBTD @ 7,212'

TOC per CBL

7,250

Perforation Summary

С	Date	F	erf.	Status	Fo	mation		Comments				
7		Ope	en		Pictured C	liffs						
	Top (MD ft)		-	Sottom (MD ft)	SPF	Shots	Phasing (deg)	interval Comments				
-	2	,718		2,7	28	3	42	20,000 gal water w/0.8% KCl & 7# WG-6/1,000 gal, 15,000# 20/40 sand & 5,000# 10/20 sand.				
c	Date Perf. Status		Formation			Comments						
1	Open				Graneros							
	Top (MD ft)						Phasing (deg)	Interval Comments				
	6	,912		6,9	922 6 60		60	30,000 gal water w/1,000 gal Dowell J-98 additive w/1% CaCl, 23,000# sand, & 1,000 aluminum pellets.				
	6.	,930		6,9	36	4	24	attempted to frac; unable to pump into interval				
C	Date	F	erf. S	Status	Fo	mation		Comments				
T		Ope	en		Dakota		1					
	Top (MD ft)				SPF	Shots	Phasing (deg)	Interval Comments				
	7	7,035		7,084 2 3		0 25,600 gal water, 20,000# 20/40 sand & 5,000# 10/20 sand						

Formation Top Summary

Formation Name	Top (MD ft)	Comments
Pictured Cliffs	2,712	
Lewis Shale	2,785	M
Cliff House/ Mesa Verde	4,363	
Menefee/ Mesa Verde	4,575	
Point Lookout/ Mesa Verde	4,960	
Mancos	5,125	
Gallup	5,970	
Greenhorn	6,809	
Graneros	6,896	
Dakota	7,032	

www.WellShadow.com Page 2 of 2