Form 3160-5 (June 2015)

vhich would entitle the applicant to conduct operations thereon.

ny false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

RECEIVED

FORM APPROVED OMB No. 1004-0137 Expires: January 31, 2018

JAN 2 9 20 3. Lease Serial No.

Jicarilla Apache Lease 424 If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS	6. If Indian, Allottee or Tri
Do not use this form for proposals to drill or to re-enter an	Jicarilla Apache Nation

abandoned w	vell. Use Form 3160-3 (A	(PD) for such	proposals.	andgement.		
SUBM	IT IN TRIPLICATE - Other instr	uctions on page 2	ureau or Land Ivi	7. If Unit of CA/Agr	reement, Name and/o	r No.
1. Type of Well						
⊠Oil Well	Gas Well Other			8. Well Name and N Logos 1	0.	
2. Name of Operator				9. API Well No.		
Enduring Resources IV LLC				30-043-21119		
3a. Address 200 Energy Court Farmington N	M 87401	3b. Phone No. (incl 505-636-9743	ude area code)	10. Field and Pool or Venado Mesaverd Dakota	r Exploratory Area le / WC 22N5W5; Ga	ilup / WC 22N5W5;
4. Location of Well (Footage, Sec SHL: 1610' FNL & 1710' FWL	c., T.,R.,M., or Survey Description) Sec 5 T22N R5W			11. Country or Parisi Sandoval, NM	h, State	
12.	CHECK THE APPROPRIATE B	OX(ES) TO INDICA	TE NATURE OF NO	OTICE, REPORT OR OT	HER DATA	
TYPE OF SUBMISSION			TYPE OF A	CTION		
□Notice of Intent	Acidize	Deepen		Production (Start/Resume)	□Water	ShutOff
Nouce of finein	☐Alter Casing	☐ Hydraulic Frac	turing	Reclamation	□Well Ir	ntegrity
Subsequent Report	☐Casing Repair	☐ New Constru	ction DF	Recomplete	Other	Tubing Length
☐Final Abandonment Notice	Change Plans	☐ Plug and Aba	ndon 🔲	Temporarily Abandon		Change
Tillal Abandonment Notice	Convert to Injection	☐Plug Back		Water Disposal		
golf .		_				
	ENTER SPRAY POLISH ROD, 4	e site is ready for final i	FAR 8 X 3/4" SLICK ROL	FEB 0 6 201 MINGTON ALD DS, 20 X 3/4" GUIDED	9 OFFICE RODS 4/PER, 8 X :	1 1/2" K-BARS, 2
14. I hereby certify that the foregoi	ing is true and correct. Name (Prin					
Signature		Dat	e: Permit Specialist	9		
	THE SPACE	FOR FEDERA	AL OR STATE (OFICE USE		
Approved by	V		T			
			Title		Date	
Conditions of approval, if any, are sertify that the applicant holds legs			Office			

NMOCD

FEB 0 8 2019



Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States

"WellView"

ERC - Current WBD with notes

Well Name: LOGOS 01

API/UWI 30-043-21119		Field Name CHACO			Well Configuration Type Vertical		
Original KB Elevation (ft) 6,920.50		Spud Date 5/30/2012 00:00		PBTD (All) (ft/KB) Original Hole - 6,610.0	Total Depth All (TVD) (RKB)		
Vestion	ol Original Hale 42/40/0049 42/40/	Cas	sing Strings				

No. 1-1, Description Circulated 30 bit of good cement Circulated 30 bit of good	Zone (Cooland Interval) Zone (Cooland In		Vertical Original L	Hole 12/19/2018 12-16-04 DM		Casi	ng Strings								
Description Comment	Surface Learning Surface Lea				Zone (Contact							Top Th	read (fit	KB)	(ftKB)
District Graph Service District Came Dis	Cement C	(ftKB	Vertical schen	natic (actual)									美洲	ALC: NO PERSON A	
Doct Section Comment	Description Comment Commented with 390 sacks of Class G : circulated 30 bbl of good cement to surface. Comment Comme	1				Prod	uction Casing	9	5 1/2	17.00	P-110	122	The same of the sa	13.5	6,629.8
MO-11.2 (1980), Both Section Care (1980) (20.2 size, Deep Perforated, Despit Mo-14.2 (20.2 size, Deep Mo-19.2 size, Deep Mo-19.	Description Cemented with 300 sacks of Class G Comment Comment Comment Comment of the stages with total of 11th sacks of 15/050 Poz. and 100 sacks of Class G Cemented in three stages with total of 11th sacks of 15/050 Poz. and 100 sacks o	-5.9	Des:Tubing Hanger,	1	1										
No. 1.1. Description Caroniment Comment	Circulated 30 bbl of good cement to surface Description Comment Comm	13.1	MD:13.2 ftKB; Btm									d		. 01	٥.
Description	Description Production Casing Cement Description Commert Cemented in three stages with total of 1115 sacks of 50/59 Poz and 100 sacks of Class G Neat	13.5		Портинавания принца пр						1				G;	
Description Comment	Desperiorated: Desp	1	String; OD:3/8 in; Depth			S						0 30 001 01	good ce	ment to	
Des. Starting Catalog Commont of Catalog Comm	Production Casing Cement Cementated in three stages with total of 1115 sacks of 5050 Pov and 100 sacks of Class G Neat	200			1										
Mo 13.5-910 Per Mo 13.5-91	Des.Perforated: Des.Perfor		Des:Surface Casing					a Cen	nent			ed in three	stages w	ith total	of
Description Comment Comment Comment Comment Squeezed perfs from 4130-4132 Squeez	Description Cerement Squeeze - MV perfs Squee		MD:13.5-518.0 ftKB;						•						
Description Comment	Description Comment					11					of Class	G Neat			
Dest Perforated Dest Perfo	Dest-Performed: Dest-Perfo		OD:8 5/8 in; Wt.:24.00			Descri	ption								
Common C	Tubing Strings					Cem	ent Squeeze	- MV	perfs						th 150
Mod 30-22 200 a mode 200 2	Des Perforated; Des Perfor					 					sacks of	Type III No	eat ceme	nt.	
Dest Principation Casting Comment Depth MD 5,205 0. Dest Perforated Compth MD 5,205	Des.Perforated: Des.Perforated: Des.Perforated: Des.Perforated: Des. Perforated: Des. Perforated		MD:13.5-2,896.0 ftKB;			Tubi	na Strinas								
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Obes-Anchoricalching Professional Cases Obes-Anchoricalching Obes-Perforated Obes	Des-Perforated: Depth MD.5.022.05.194.0 MGS.	3,437.0	Cement; Depth	Des:Perforated;	Mesa Verde	Tubir	ng - Production	on 1	2/17/2018		5,970.46	The state of the	5,983.	7	
Obes-Anchoricalching Professional Cases Obes-Anchoricalching Obes-Perforated Obes	Des-Perforated: Depth MD.5.022.05.194.0 MGS.	4,129.9		Depth MD:4,130.0-				D		00 (1-)	1 (6)	T (0)(D)	Di- (N/D)	10-4-	
Obes-Anchoricalching Professional Cases Obes-Anchoricalching Obes-Perforated Obes	Des-Perforated: Depth MD.5.022.05.194.0 MGS.	4,131.9	Des:Cement Squeeze -	4,132.0 ftKB;						_		-			(ID/It)
Des.Perforated Des.	Des.Perforated: Des.Perfor	4,328.1	MD:4,130.0-4,132.0	Date. 10/25/2012					40 44 40 1			FUS IT-0 SCILLE, WASHINGTON		2	0.50
Reviside RN4Release Desph MD, 486 8 BL9 Desph MD, 502 2.0 Shall be	Des Perforated:	4,495.1	ftKB; Date:10/25/2012	II II		15	uping { Scar	nned	12-14-18 }	2 //8		14.0	4,965.6	J-55	6.50
RR-VSSet RN-Molesaeue, Desph MDS, 202-0, Desph MDS, 202-0, Spendicion Casing Desph MDS, 202-0,	Des Perforated:	4,497.0	Des:Anchor/catcher	K		3	\nab==/=	05 15	V/CL-	1440		4.005.6	4.000	1	-
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Signature Sign	18 3 18 18 18 18 18 18	4,900 8		DesiDesferated				SEL							
Signature Sign	18 3 18 18 18 18 18 18	5,022.0	Btm MD:4,969.8 ftKB		Gallup Harra	11 1		nned	12 14	2 7/0	250 20	4.000.0	5 220 0	1155	6 50
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MO-4,477-04,630.0 Mr/s. Date 68/2012 Mr/s. Da	Des.Perforated; Depth MD:5,928.0 Sanostee	5.457.0	Des:Production Casing	5,457.0 ftKB;								SECRETARISM SECURITY			
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Samostee Des:Perforated: Des:Perforated: Depth MD:5,928.0-5,939.0 ft/KB; Dez:Bump Seating Nipple: OD2 7/8 in: Do2.8 in: Top MD:5,947.1 ft/KB; Bim MD:8,124.0 in: KB; Des:CiBP: OD4 3/4 in: Top MD:8,222.0 in: KB; Des:Perforated: Des:Perforated: Des:Perforated: Des:Perforated: Des:Perforated: Des:Perforated: Des:Perforated: Des:Perforated: Des:Perforated: Des:CiBP: OD4 3/4 in: Top MD:8,222.0 in: KB; Des:CiBP: OD4 3/4 in: Top MD:8,222.0 in: KB; Des:CiBP: OD4 3/4 in: Top MD:8,122.0 in: KB; Des:CiBP: OD4 3/4 in: Top MD:8,222.0 in: KB; Des:Perforated: Desire 8/14/2012 Des:Perforated: Desire 8/14/2012 S/25/2012 S/25/20.0 S/25/20.0 S/25/20.0 S/25/2012	Des:Perforated; Depth MD:5.928.0 Sanostee Sanostee Sanostee Rod Strings Rod Description RVD STRING 12/18/2018 5,954.00 5,948.1 5,948.1 5,948.1 1 Polished Rod 11/2 26.00 5,948.1 1 Polished Rod 11/2 26.00 5,948.1 1 Polished Rod 11/2 26.00 5,9 20.1 24.1 20.00 24.1 5,924.1 20.00 24.1 5,924.1 20.00 24.1 5,924.1 20.00 24.1 5,924.1 20.00 20.00 24.1 5,924.1 20.00 20.00 24.1 5,924.1 20.00	59242	A 11					3/8" (Collar	2 7/8	0.40	5,983.3	5,983.7		
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Des:CliBp: OD:4 3/4 in: Top MD:6,224.0 ft/KB; Btm MD:6,224.0 ft/KB; Btm MD:6,234.0 ft/KB; Date:8/14/2012 Des:Cement Retainer; OD:4 1/2 in: Top MD:6,342.0 ft/KB; Date:8/14/2012 Des:Cement Retainer; OD:4 1/2 in: Top MD:6,342.0 ft/KB; Date:8/14/2012 Des:Cement Retainer; OD:4 1/2 in: Top MD:6,342.0 ft/KB; Date:8/14/2012 Des:Cement Retainer; OD:4 1/2 in: Top MD:6,342.0 ft/KB; Date:8/14/2012 Des:Cement Retainer; OD:4 1/2 in: Top MD:6,342.0 ft/KB; Date:8/14/2012 Des:Cement Retainer; OD:4 1/2 in: Top MD:6,342.0 ft/KB; Date:8/14/2012 Desi:Perforated; Depth MD:6,344.0 ft/KB; Date:B/14/2012 Desi:Perforated; Depth MD:6,342.0 ft/KB; Date:B/14/2012 Desi:Perforated; Desi:Perforated; Date:B/14/2012 Desi:Perforated; Date:B/14/2012 Desi:Perforated; Date:	Des:Perforated; Depth MD:6,146.0-6,209.0 ft/KB; Date:8/13/2012 Des:Perforated; Depth MD:6,244.0-6,249.0 ft/KB; Date:8/13/2012 Des:Perforated; Depth MD:6,342.0-6,492.0 ft/KB; Date:8/13/2012 Des:Perforated; Depth MD:6,342.0-6,492.0 ft/KB; Date:8/13/2012 Desi:Perforated; Depth MD:6,342.0-6,492.0 ft/KB; Date:8/13/2012		Top MD:6.122.0 ftKB:	4 ≬		1	Shear Coup	oling	21K SHEA	R	1 1/4	1.00	5,92	4.1 5	,925.1
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Des: CiBP; OD:4 3/4 in; Top MD:6,234.0 ft/KB; Btm MD:6,234.0 ft/KB; Des: Cement Retainer; OD:4 1/2 in; Top MD:6,434.0 ft/KB; Btm M	Des:Perforated; Depth MD:6,244.0- 6,249.0 ft/KB; Date:8/14/2012 Des:Perforated; Depth MD:6,342.0- 6,492.0 ft/KB; Date:8/13/2012 Dekota - Lower B/13/2012 B	1 1	TOP MU.O,ZZZ.U TIND,	⋖ ∅											
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6.673 MD.6,610.0 nKB; Date.6/10/2012 Des:Production Casing Cement (plug); Depth		6,430.1	Des:Plug Back Total Depth; Depth	Date:8/13/2012											
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16/230 1b/ft; Grade:P-110; Btm		6,629.9	lb/ft; Grade:P-110; Btm	XX											
MD:6,629.8 RKB	Page 1/1 Report Printed: 12/19/2018		MD.0,029.6 IIKBI	^^^^^		Page	1/1					Report	Printed	12/10	/2018