Office		State of New M			Form (
<u>District I</u> – (575) 393-6161		Minerals and Nat	tural Resources	WELL API NO.	Revised July 1	8, 2013
1625 N. French Dr., Hobbs, NM 88 District II – (575) 748-1283				30-039-06178		
811 S. First St., Artesia, NM 88210 District III – (505) 334-6178	12	ONSERVATIO 20 South St. Fra		5. Indicate Type	of Lease	
1000 Rio Brazos Rd., Aztec, NM 8' <u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, N		Santa Fe, NM 8	37505	6. State Oil & Gas Lease No. NMSF080565		
87505						
(DO NOT USE THIS FORM FOR		OR TO DEEPEN OR P	LUG BACK TO A	7. Lease Name of	or Unit Agreement N	ame
DIFFERENT RESERVOIR. USE 'PROPOSALS.)	"APPLICATION FOR PEF	RMIT" (FORM C-101) I	FOR SUCH	FLORENCE F	EDERAL	
1. Type of Well: Oil Well	Gas Well	Other		8. Well Number 002		
2. Name of Operator LOGOS OPERATING LL				9. OGRID Num	ber 289408	
3. Address of Operator				10. Pool name o	r Wildcat	
2010 AFTON PLACE, FAI	RMINGTON, NM 87	7401		TAPACITO PICTURED CLIFFS		
4. Well Location						
Unit LetterA	:1579fee	et from the N_ lir	ne and912f	eet from theE_	line	
Section 05 Toy		Range 3W		NENE Count	y RIO ARRIBA	
	1	n (Show whether Di	R, RKB, RT, GR, etc		·	
		GL: 7189				
					_	
12. Ch	neck Appropriate I	Box to Indicate I	Nature of Notice,	, Report or Other	: Data	
	OF INTENTION	ΓO·	SUF	BSEQUENT RE		
PERFORM REMEDIAL WOR			REMEDIAL WOR		ALTERING CASIN	GП
TEMPORARILY ABANDON			COMMENCE DR		P AND A	
PULL OR ALTER CASING						
PULL OR ALTER CASING DOWNHOLE COMMINGLE			CASING/CEMEN			
PULL OR ALTER CASING DOWNHOLE COMMINGLE CLOSED-LOOP SYSTEM						
DOWNHOLE COMMINGLE CLOSED-LOOP SYSTEM OTHER:			CASING/CEMEN	NT JOB		
DOWNHOLE COMMINGLE CLOSED-LOOP SYSTEM OTHER: 13. Describe proposed or	MULTIPLE C	S. (Clearly state all	CASING/CEMEN OTHER:	NT JOB		ted date
DOWNHOLE COMMINGLE CLOSED-LOOP SYSTEM OTHER: 13. Describe proposed or of starting any propo	MULTIPLE C	S. (Clearly state all	CASING/CEMEN OTHER:	NT JOB		ted date
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Well Name: Florence Federal 002 API: 30-039-06178

05/25/2023 - MIRU. ND WH. NU BOPE. Function test BOP. SDFN

05/30/2023 – Tag fill @ 3815'. Scan tbg out. Tagged TOL @ 3782'. SWAB well. TOOH. SDFN

06/01/2023 – TIH. Tag fill @3746'. TOOH. TIH w/ Cement Retainer @ 3740'. PT to 1000psi. Good Test. Sting out of retainer, roll hole w/ 80bbls of FW. PT failed. TOOH. RU WL **RIH w/ CBL f/3732' t/SURF. Notified NMOCD (Gilbert Cordero) & BLM (Virgil Lucero) TIH. Plug #1 (Ojo Alamo) f/3740' t/3384'** Mix & pump 45 sx (9.2bbls, 1.15 yield, 15.8ppg) Class G cement. Displaced w/ 13bbl FW. TOOH. Reverse CIRC. TOOH. SIW. WOC. SDFN.

06/02/2023 – TIH. TAG TOC @ 3384'. PT csg failed. TOOH. RU WL. Perf'd @ 1112' (1SPF). Set cement retainer @ 1054'. Sting out & PT csg, failed. Sting into retainer, establish injection rate. Circ. **Plug #2** (Nacimiento) inside/outside f/1112' t/938' Mix & pump 54 sx (11bbls, 1.15 yield, 15.8ppg) Class G cement. Displaced w/ 1.2bbl FW. Sting out of retainer. TOOH. Circ. WOC. TIH. TAG TOC @ 938'. TOOH. PT csg to 500psi, pressure falls to 300psi and holds, test failed. RU WL. Perf'd @ 145' (1SPF) Established circulation out of BH. ND BOPE. NU WH. **Plug #3 (f/145' t/Surface)** Mix & pump 80 sx (16bbls, 1.15 yield, 15.8ppg) Class G Cement. CIRC 4bbls of good cement out BH. SIW. SDFN. Witnessed by BLM (Joe Maestas) & received verbal approval for each plug from NMOCD (Thomas Vermersch)

06/05/2023 – Cement 20' f/ Surface. Cut off wellhead. Weld on P&A marker. Mix & pump 25 sx (5bbls, 1.15 yield, 15.8ppg) Class G cement to top of casing. TOC @ Surface. RDMO

Well Plugged & Abandoned

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Wellbore	Schematic
W CIIDOIC	Ochematic

		Wellbore	Schematic			
Well Name:	Florance Federa	al 2		Date Prepared:	3/6/2019	Hespe
Location:		R03W 990' FNL & 990' FEI	_	Reviewed By:	2/15/2023	
County:	Rio Arriba			Last Updated:	6/8/2023	
API #:	30-039-06178			Spud Date:	9/17/1955	0000
Co-ordinates:		[°] , (Long) -107.162449° NA	283	Completion Date:	08/1964	
	GROUND:	7189'	1005	Last Workover Date:	5/25/2023	
Elevations:					5/25/2023	
	KB:	7196'				
Depths (KB):	PBTD:	Unknown				
	TD:	3882'				
	All depths KB		Surface Casing			
Surface Casing			Drilled a surface	hole to 95'. Set 8-5/8" 28	8# H-40 casing a	t 95'.
8-5/8" 28# H-40			Cemented w/ 7	5 sx. Circulated cmt to s	urface.	
Set at 95'						
75 sx 95'	s s	TOC at surface				
		Plug #3 (inside/outside)				
TOC at surface (circ)				ising: (10/2/1955)		
		Sqz holes at 145'		diate hole. Set 5-1/2", 15		
		80 sx, Class G cmt		100 sx. TOC at 3319' per	calc assuming 7	-7/8" hole
		(0'-145')	size, 1.18 yld 8	& 75% efficiency.		
			Production Line	er: (8/2/1964)		1
Intermediate Casing				n hole to 3882'. Set 100'	of 4" flush it liner	at 3882'
5-1/2" 15.5#, J-55				Cemented w/ 50 sx. TOC		
Set at 3830'				" hole size, 1.18 yield &		
100 sx			assuming 4.75	Tible Size, 1.10 yield &	1570 eniciency.	
TOC at 3319' (calc)						
100 at 5519 (calc)			Turkin av NIA		Length (ft)	
_		Diver#2 (incide/outside)	Tubing: NA		0 (/	
		Plug #2 (inside/outside)	KB		7	
Nacimiento: 1062'		Sqz holes at 1112'				
	S	CR at 1054', 54 sx				
		Class G smt				
		(938'-1112')	Perforations:			
			PC: (3832'-3864	') at 2SPF.		
			Frac w/ 68,700	gal water & 80,000# 20/	40 sand & 30,00	0#
			10/20 sand & 7	7#/1000 J-2 7 units IR-19	2 radioactive sar	nd.
Production Liner			Formations:			
4" flush liner			Nacimiento	1062'	Fruitland	3650'
Set at 3882'			Ojo Alamo	3510'	Pictured Cliffs	3830'
TOL at 3782'	Т	OC at 3154' (CBL)	Kirtland	3580'		
50 sx						
TOC at TOL (calc)			Additional Note	s:		
· · · ·			10/1955 Initial o	ompletion. Assumed the	/ drilled out cmt o	on bottom of
				produced well via open h		
Ojo Alamo: 3510'		Plug #1 (inside)		~50' below intermediate		Stim'd the PC
Kirtland: 3580'		CR at 3740', 45 sx		Report. Csg 40#, tbg 0#.		
Kirtianu. 5560		Class G cmt		dn't recover any fluid, cu		
Fruitland: 3650'		(3384'-3740')		quid cement. Took samp		
Fruitianu. 3050		(3384-3740)		le pulling up. RIH w/ 1.9"		
				agged 3730'. Rig down.	yauye & layyeu	5750. Ran
		TOL at 3782'	5/2023 P&A'd W			
		102 41 97 02	JIZUZU I GAUW			
202						
383		0.00001.000.01	-			
Pictured Cliffs: 3830'	0 0 P	C: 3832'-3864'				
388		C at TOL (calc)				
	PBTD - Unknown					
	TD - 3882'					

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
LOGOS OPERATING, LLC	289408
2010 Afton Place	Action Number:
Farmington, NM 87401	231734
	Action Type:
	[C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By		Condition Date
john.harrison	Accepted for record - NMOCD JRH 7/5/23. Well P&A'd 6/5/23	7/5/2023

CONDITIONS

Page 4 of 4

Action 231734