Submit 1 Copy To Appropriate District Office	State of New Mexic			Form C-103		
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Natural	Resources	VELL API NO.	Revised July 18, 2013		
<u>District II</u> – (575) 748-1283	OIL CONSERVATION D	IVISION	30-0	25-46685		
811 S. First St., Artesia, NM 88210 <u>District III</u> – (505) 334-6178	1220 South St. Francis	1.5	Indicate Type of Le STATE	ase FEDERAL ✓ FEE		
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> – (505) 476-3460	Santa Fe, NM 8750	5	5. State Oil & Gas Lea			
1220 S. St. Francis Dr., Santa Fe, NM 87505						
SUNDRY NOT	ICES AND REPORTS ON WELLS		. Lease Name or Unit	Agreement Name		
· ·	SALS TO DRILL OR TO DEEPEN OR PLUG F CATION FOR PERMIT" (FORM C-101) FOR S		Cyclone Federal SWD			
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well ☐ Other ✓ SWD	8	8. Well Number 1			
Name of Operator Permian Oilfield Partners LLC		9	OGRID Number 3282	59		
3. Address of Operator		1	0. Pool name or Wild			
PO Box 3329, Hobbs, NM 88	241		SWD; DEVONIAN-S	SILURIAN		
4. Well Location Unit Letter H:	1494feet from the North	line and	feet from the	East line		
Section 11	Township 25S Range	32E N		unty Lea		
	11. Elevation (Show whether DR, RK 3544' RKB	(B, RT, GR, etc.)				
12. Check	Appropriate Box to Indicate Natu	re of Notice, Re	eport or Other Data	a		
NOTICE OF IN	ITENTION TO:	SUBSE	EQUENT REPOR	RT OF:		
PERFORM REMEDIAL WORK		EMEDIAL WORK		ERING CASING		
TEMPORARILY ABANDON DULL OR ALTER CASING	I	OMMENCE DRILLI ASING/CEMENT J		ND A		
DOWNHOLE COMMINGLE		10.110,02.11.2.11				
CLOSED-LOOP SYSTEM OTHER:		THER:		X		
	eleted operations. (Clearly state all perticular)		ive pertinent dates, inc			
of starting any proposed we	ork). SEE RULE 19.15.7.14 NMAC. F					
proposed completion or rec	ompletion.					
	uires that a mudlog and a water s					
obtained prior to commencing and 7 5/8" casing shoe is @ 1	injection operations. The top of	the Devonian for	ormation was enco	ountered @ 17366',		
Ç G	, , ,					
A copy of the mudlog across to A copy of the wireline CNL-GI	the interval is attached. R log from TD to surface is attacl	ned as well as t	the wireline HDII -	GR log across the		
injection interval.	-			-		
A copy of the water sample at	nalysis is attached, including gen . (31959 ppm), which is consiste	eral water chen	nistry and hydroca	rbon content.		
	i of 31000 ppm, also attached.	nt with the Polo	Sity/Resistivity Pic	kett plot-derived		
·						
Spud Date:	Rig Release Date:					
L		L	I			
I hereby certify that the information	above is true and complete to the best of	of my knowledge a	nd belief.			
•	,					
SIGNATURE Jan 2	Falmen TITLE Presiden	t	DATE	3/14/2020		
Type or print name Gary E Fisher				817-606-7630		
For State Use Only	E-mail address:		PHONE			
-	mymy Y		D 1 777			
APPROVED BY: Conditions of Approval (if any):	TITLE		DATE			

Water Sample Tracking

Sample obtained by:	Gary Fisher of Penn. Oil Leld Autus CLC
Signature:	Sauce Century
Date:	3/5/20
Location:	Circloneted. SWD#/ Howline.
Sample transferred to:	Imperative - Agron Wevenberg
Signature:	V Deely
Date:	3-5.20
Sample ID#:	W72264
Analysis by:	Imperative - Aaron Bleyenberg
Signature:	Solar
Date:	3-9-20
Sample ID#	6122264

Imperative Water Analysis Report

IMDES/TIVE

201 W. Wall Street, Suite 900 Midland, TX 79701

SYSTEM IDENTIFICATION

Company: Permian Oilfield Partners LLC Location: Cyclone Federal SWD 1 Well 1

Sample Source: Wellhead

Account Rep:

Sample ID#: W-22264

Sample Date: 03-05-2020

Report Date: 03-09-2020

WATER CHEMISTRY

(Represented as mg/L)

CATIONS		ANIONS	
Calcium(as Ca)	8753	Chloride(as Cl)	19839
Magnesium(as Mg)	1294	Sulfate(as SO ₄)	499.00
Barium(as Ba)	2.28	Dissolved CO ₂ (as CO ₂)	60.00
Strontium(as Sr)	470.90	Bicarbonate(as HCO ₃)	97.60
Sodium(as Na)	0.00	H ₂ S (as H ₂ S)	6.84
Potassium(as K)	650.30	Boron(as B)	18.30
Lithium(as Li)	7.89		
Iron(as Fe)	26.39		
Manganese(as Mn)	4.76		

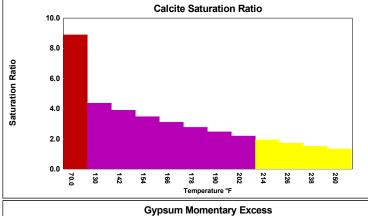
PARAMETERS

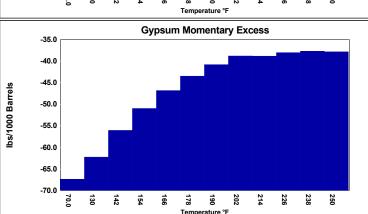
Temperature(OF)	70.20	Sample pH	7.37
Conductivity	30989	Sp.Gr.(g/mL)	1.005
Resistivity	32.27	T.D.S.	31923
resistivity	32.27	1.0.5.	3132

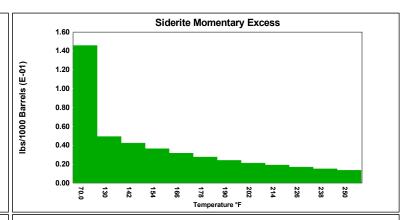
SCALE AND CORROSION POTENTIAL

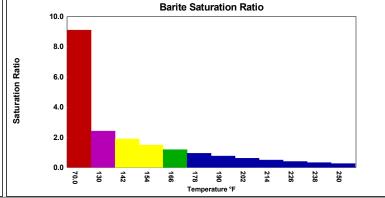
Temp.	Press.	Ca	alcite	Anh	ydrite	Gy	psum	В	arite	Cel	estite	Sic	lerite	Mack	inawite	CO ₂	pCO ₂
(^O F)	(atm)	Ca	iCO ₃	Ca	SO ₄	CaSO	4*2H ₂ O	Ba	SO ₄	Sr	SO ₄	Fe	2CO ₃	F	FeS	(mpy)	(atm)
70.00	1.000	8.88	0.115	0.337	-147.96	0.561	-67.40	9.10	1.20	1.20	13.51	37.31	0.146	202.32	1.85	0.00734	0.00302
130.00	10.000	4.36	0.0341	0.419	-87.91	0.536	-62.26	2.41	0.789	1.11	6.76	27.11	0.0493	31.88	1.54	0.0338	0.0302
142.00	19.000	3.89	0.0282	0.462	-71.32	0.553	-56.09	1.89	0.633	1.07	4.65	26.09	0.0422	23.68	1.46	0.0343	0.0573
154.00	28.000	3.47	0.0233	0.520	-54.77	0.568	-51.00	1.49	0.440	1.04	2.52	25.08	0.0364	17.77	1.38	0.0383	0.0844
166.00	37.000	3.10	0.0193	0.596	-39.04	0.582	-46.85	1.18	0.204	1.01	0.335	24.05	0.0316	13.46	1.30	0.0412	0.112
178.00	46.000	2.76	0.0159	0.694	-24.64	0.593	-43.50	0.942	-0.0834	0.971	-1.91	23.01	0.0275	10.27	1.21	0.0423	0.139
190.00	55.000	2.46	0.0129	0.822	-11.85	0.602	-40.86	0.755	-0.432	0.935	-4.25	21.94	0.0240	7.89	1.11	0.0244	0.166
202.00	64.000	2.19	0.0104	0.986	-0.768	0.608	-38.85	0.608	-0.854	0.898	-6.70	20.85	0.0211	6.09	1.01	0.0226	0.193
214.00	73.000	1.93	0.00834	1.19	8.53	0.608	-38.87	0.488	-1.38	0.856	-9.88	19.70	0.0190	4.63	0.888	0.0290	0.220
226.00	82.000	1.71	0.00637	1.46	16.60	0.610	-38.05	0.396	-1.99	0.818	-12.77	18.61	0.0169	3.61	0.771	0.0364	0.247
238.00	91.000	1.51	0.00462	1.81	23.28	0.609	-37.71	0.322	-2.72	0.781	-15.85	17.55	0.0150	2.83	0.646	0.0451	0.274
250.00	100.000	1.33	0.00305	2.26	28.76	0.605	-37.86	0.263	-3.59	0.743	-19.21	16.52	0.0134	2.22	0.514	0.0235	0.302
			Lbs per		Lbs per		Lbs per		Lbs per		Lbs per		Lbs per		Lbs per		
		xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000		
			Barrels		Barrels		Barrels		Barrels		Barrels		Barrels		Barrels		

Saturation Ratios (xSAT) are the ratio of ion activity to solubility, e.g. {Ca}{CO₃}/K_{sp}. pCO₂ (atm) is the partial pressure of CO₂ in the gas phase. Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.









Total Percent Hydrocarbons Analytical Report



Customer:	Permian OilField Partners	
Account Rep:		

Lease/Well Number	Sample Source	Sample Number	Sample Date	ТРН (РРМ)
Cyclone Federal SWD 1	AST Post	TPH-6951	3/9/2020	10

Date: 3/9/2020

Bacteria Report





Company: Permian OilField Partners

Account Rep:

Lease/Well Number	Sample Source	Sample Number	Sample Date	ATP/mL (picograms)	Microbes
Cyclone Federal SWD 1	Tubing	B-32491	3/9/2020	BDL	0.00

Comments:	

