Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505 HYDRAULIC FRACTURING FLUID DISCLOSURE	Submit within 45 days of well completion State of New Mexico						Revised November 6, 2013 1. WELL API NO.			
A System February 1,000							30-015-44140			
Compare Name and Authors		Energy, winerals and Natural Resources								
### 1220 S. SE FFANCIS DF. Santa Fe, NM 87505 ### HYDRAULIC FRACTURING FLUID DISCLOSURE ### Nor 2019 ### Nor 2	Oil Conservation Division									
## HYDRAULIC FRACTURING FLUID DISCLOSURE ## Official ## Amendment ##										
## HYDRAULC FRACTURING FLUID DISCLOSURE X Original ☐ Amendment ## Grate			1220	5. St Francis	Dr.					
DISCLOSURE			Sant	a Fe, NM 875	505					
Control Foreign Part Pa	HYDRAULIC FR	ACTURING	FLUID						040 - 005	
Amendment	DISCLOSURE									
Amendment	⊠ Original								W Line:W	
First hom 394 EVN ture-W First hom 394 EVN ture-W	•								wnship:24S Range:28E	
Company Content Cont	☐ Amendment									
### 104.13366712 ### 2. Control ###										
Coparative Native and Assertion Application Applicat							32.			
B. Opiration Name and Address Bird							,	,		
MEMOURNE CIL CO 4801 Insulinations Park Bltd. Problems 6270 From 1 1, self Transver Gue. 77192017 Fice Performed by: hallburton 11. self Transver Gue. 77192017 Fice Performed by: hallburton 12. Production Type: 15. Trace Venical Date (TVD): 15. Trace Venical Date (TVD): 15. Trace Venical Date (TVD): 16. Trace Venical Date (TVD): 17. Total Volume of the Live Venical Date (TVD): 18. Total Venical Date (TVD): 18. Percent of Sective Water in Fluid Pumpers 19. Percent of Sective Water in Flui							Ludy	/		
## AB01 Business Park Bird. PO Box 5270	8. Operator Name and Address:	00				9. OGRID:	14744	10. Phone Number	er: 575-393-5905	
Po Box 5270 Holbs 88740 1. Last Factor Balle 7/19/2017 Fac Performed by hallburton 1. Last Factor Balle 7/19/2017 Fac Performed by hallburton 1. Last Factor Balle 7/19/2017 Fac Performed by hallburton 1. Last Factor Balle 1. Last Factor Ball										
11. Last Finchure Date 7/19/2017 Fine Penfement by halliburton 14 (frose Practature Date 14 (frose Practature Date 14 (frose Practature Date 15 (Frose Practature Date 16 (Frose Practature Date 16 (Frose Practature Date 16 (Frose Practature Date 16 (Frose Practature Date 17 (Frose Pra		2								
1. Poor Code(s)		2047 Fran Darform	ad by the Hiller out an			12 Draduatio	n Tuno:			
10,219 ft to 10,225 ft	11. Last Flacture Date. 7/19/2	2017 Frac Periorina	ed by. nailiburton				п туре.			
15. Trate Varies Depth (TVD): 10.219 th 15. Trate Values of Plus Pumped: 17. Total Volume of Re-Use Water Pumped: 17. Total Volume of Re-Use Water In Plus Depth (No. No. Disolated 17. Total Volume of Re-Use Water In Plus Depth (No. No. Disolated 17. Total Volume of Re-Use Water In Plus Depth (No. Disola										
10,219 ft 10,2										
Not Disclosed	10,219 ft						17,678,524 gals			
19 HYPRAULC FLUID COMPOSITION AND CONCENTRATION: Trade Name	· · · · · · · · · · · · · · · · · · ·						·			
Purpose		COMPOSITION	AND CONCENTRA	TION:		INC	Disclosed			
Persh Water Operator Base Fluid Water 7732-18-5 100% 89,73786%					(CAS #) Chem	ical Abstract	Maximum Ingre	edient	Maximum Ingredient	
Fresh Water					Service #			n Additive (% by		
DCA-32003	Fresh Water	Operator	Base Fluid	Water	7732-18-5		,			
HYDROCHLORIC ACID Halliburton Solvent Listed Below Used Below 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%										
Dotificen-WF(TM)										
SAND-ORDINON WHITE-					1					
SACK (10										
SAND-PREMIUM WHITE- Halliburton Proppant Listed Below Listed Below 0% 0% 0% 0% 0% 0% 0% 0	, ,									
Mailburton Friction Reducer Listed Below Listed Below Listed Below Listed Below 0% 0% 0% 0% 0% 0% 0% 0		Halliburton	Proppant	Listed Below	Listed Below			0%	0%	
FR-86										
MSDS and Non-MSDS Ingredients are listed below the Ingredients are listed below the Ingredients Listed Above Listed Above Alkylbenzene sulfonate compd. with 2-propanamine Alkylbenzene sulfonate compd. with 12-propanamine Alkylbenzene sulfonate compd. with tiethanolamine Benzene, C10-16 alkyl derivatives Crystalline silica, quartz Ethoxylated Abohol 78330-21-9 5% 0.00184% Crystalline silica, quartz Ethoxylated Sorbitan Monostearate Glycerol 56-81-5 10% 0.00367% Glycerol 56-81-5 10% 0.00367% Hydrochloric acid 7647-01-0 60% 0.0713% Hydrochloric acid 7647-01-0 60% 0.0713% O.003887% O.00182% O.00184% O.00182% O.00184% O.00182% O.001										
Ingredients are listed below the		Halliburton	Friction Reducer	Listed Below	LISTED BEIOW		-01			
The color of the								0 78	0 70	
Signature: Signet Electronically Signet Electron	the									
With 2-propanamine	Ingredients	Listed Above	Listed Above					10%	0.00389%	
Sulfonate compd. With triethanolamine Benzene, C10-16 alkyl derivatives Crystalline silica, quartz										
With triethanolamine Benzene, C10-16 86848-87-3 1% 0.00039% alkyl derivatives Crystalline silica, quartz Ethoxylated Alcohol 78330-21-9 5% 0.00184% Ethoxylated Sorbitan Monostearate Glycerol 56-81-5 10% 0.00367% Hydrochloric acid 7647-01-0 660% 0.0713% Hydroched Light Distillate Methanol 67-56-1 100% 0.03888% O.xyalkylated Alcohol Proprietary 5% 0.0013% Sodium perborate tetrakylrate Tributyl tetradecyl phosphonium chloride Water 7732-18-5 10% 0.15202% 20.1, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief.					68584-24-7			10%	0.00389%	
Benzene, C10-16 alkyl derivatives										
Alkyl derivatives					68648-87-3			1%	0.00039%	
Quartz				alkyl derivatives						
Ethoxylated Alcohol 78330-21-9 5% 0.00184%					14808-60-7			100%	10.01364%	
Ethoxylated Sorbitan 9005-67-8 5% 0.0013% Monostearate Glycerol 56-81-5 10% 0.00367% Hydrothoric acid 7647-01-0 60% 0.0713% Hydrotreated Light Distillate Methanol 67-56-1 100% 0.03888% Oxyalkylated Alcohol Proprietary 5% 0.0013% Sodium perborate tetrahydrate Tributyl tetradecyl phosphonium chloride Water 7732-18-5 10% 0.0215% 0.0520% Title: Signature: Signed Electronically Printed Name: Mm Young Mm Young Title: Manager M					78330-21-9			5%	0.00184%	
Glycerol 56-81-5 10% 0.00367%										
Hydrochloric acid 7647-01-0 60% 0.0713%					50.04.5			400/	0.000070/	
Hydrotreated Light Distillate Methanol 67-56-1 100% 0.01882%										
Methanol 67-56-1 100% 0.03888% Oxyalkylated Alcohol Proprietary 5% 0.0013% Sodium perborate tetrahydrate Tributyl tetradecyl phosphonium chloride Water 7732-18-5 100% 0.05202% 100% 0.05202% 100% 10										
Oxyalkylated Alcohol Proprietary 5% 0.0013% Sodium perborate tetrahydrate 10486-00-7 100% 0.00672% Tributyl tetradecyl phosphonium chloride Water 7732-18-5 100% 0.15202% 20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. Signature: Signed Electronically Printed Name: Nm Young Title: Manager										
Sodium perborate tetrahydrate 10486-00-7 100% 0.00672% 100% 1000672% 100% 1000672% 100% 1000672% 100% 1000672% 100% 1000672% 100% 1000672% 100% 1000672% 100% 1000672% 100% 1000672% 100% 1000672% 100% 1000672% 100% 1000672% 100% 1000672% 100% 1000672% 100% 1000672%										
tetrahydrate Tributyl tetradecyl phosphonium chloride Water 7732-18-5 100% 0.00215% 20.1, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. Signature: Signed Electronically Printed Name: Nm Young Title: Manager										
phosphonium chloride Water 7732-18-5 100% 0.15202% 20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. Signature: Signed Electronically Printed Name: Nm Young Title: Manager				tetrahydrate						
chloride Water 7732-18-5 100% 0.15202% 20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. Signature: Signed Electronically Printed Name: Nm Young Title: Manager					81741-28-8			10%	0.00215%	
Water 7732-18-5 100% 0.15202% 20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief. Signature: Signed Electronically Printed Name: Nm Young Title: Manager										
Signature: Signed Electronically Printed Name: Nm Young Title: Manager				Water				100%	0.15202%	
					best of my know	ledge and belie				
	<u> </u>		Printed Name: Nm Young	9			Title: Manage	r		

E-mail Address: recrel@mewbourne.com

NMOCD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.