Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505 HYDRAULIC FRACTURING FLUID DISCLOSURE Amendment Amendment #### April 12	Submit within 45 days of well c	ompletion	State of New Mexico				Revised November 6, 2013				
Amendment		1111			VI S	meaning and					
## 1220 S. St Francis Dr. Santa Fe, NM 87505 ## 1707		En	Energy, Minerals and Natural Resources				30-015-42407				
## 1220 S. St Francis Dr. Santa Fe, NM 87505 ## 1707			Oil Con	servation Div	ision						
Amendment							LAYLA 35 W20B FEE #003H				
HYDRAULIC FRACTURING FLUID DISCLOSURE X Original Amendment ■ Amendment ■ Operator Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address: MEXISTER 1500 150 Fros Performed by: Hallburton 1. Poor Name and Address in the Address							3. Well Number:				
DISCLOSICE			Sant	a Fe, NM 8750	05						
Software	HYDRAULIC F	RACTURING	FLUID							D20E	
Amendment	STATES OF THE ST							N	VS Line:S	Range.ZoC	
## Part to mo 328 September Part to mo 32	Original					3	5. Bottom Hole L	ocation:			
Committee Comm	□ Amendment							Feet from:328 N/S Line:N			
1. Coverator Name and Address: MeWOURNE OIL CO Pol Box 5270 14744 10. Protee Number: 575-383-5905 14. Last Fracture Date: 675-593-5905 14. Coverator Type: 15. Trace Vectors Date: 675-593-5905 14. Coverator Type: 14. Coverator Type: 15. Trace Vectors Date: 675-593 14. Coverator Type: 15. Trace Vectors Date: 16.05.01 17. Trace Vectors Date: 17. Trace Vectors Date: 18. Trace Vector							6. latitude:	lo		0572502	
8. Operator Name and Address:							7. County:		-104	.0373302	
MEMBOURNE OIL CO PO Box 5270 Thotas 80241 Ti. Last Finstone Design Ti. State							Eddy				
No.	MEWBOURNE OI	L CO				9. OGRID:	14744	10. Phone Number	r: 57	75-393-5905	
13. Parol Code(s) 7.75 14. Orosa Practured Interval: 10.627 ft bit 10.632 ft 7.75 10.0000 10.0000 10.0000											
13, Pool Coss(s): 77579 15, Trak Vertical Batch (TVD) 16, Staff Vertical Depth (TVD) 16, Staff Vertical Depth (TVD) 16, Staff Vertical Depth (TVD) 17, Total Volume of Re-Use Water Pumped: 18, Trade Volume of Re-Use Water in Plus Pumped: 19, Total Volume of Re-Use Water in Plus Pumped: 19, Teach Volume of Re-Use Water in Plus Pumped: 19, Teach Name	11. Last Fracture Date: 8/15/2015 Frac Performed by: Halliburton 12. Proc										
15. Trate Vertraal Depth (TVD) 10.630 ft							Fractured Interval:				
10.630 ft											
Institution Supplier Purpose Ingredients Supplier Supplier Purpose Ingredients Supplier Supplier Supplier Purpose Ingredients Supplier	10,630 ft						7,612,668 gals				
Purpose Purpose Ingredients CAS # Chemical Abstract Service # Concentration in Additive (% by mass)											
Presh Water		COMPOSITION	AND CONCENTRA	TION:			1980 20 176	(Y) (1) (g)	econo de també	100 DE	
Fresh Water	Trade Name	Supplier	Purpose	Ingredients				Concentration in Additive (% by		Concentration in HF Fluid (%	
Breaker, Concentrate, Friction Reducer, Propant, Solvent	Fresh Water	Operator	Base Fluid	Fresh Water			massy	100%	Sy massy	89.87486%	
Concentrate, Friction Reducer, Propant, Solvent		Halliburton							9		
Propant, Solvent			Concentrate, Friction Reducer,	Alcohols, C12-14-							
Amide				Alcohols, C12-14-	84133-50-6		60%		8	0.01906%	
Ammonium chloride 12125-02-9 5% 0.00319%					Confidential		5%		0.00319%		
Formaldehyde 50-00-0 0.01% 0.0% Hexamethylenetetramine 100-97-0 2% 0.01274% Hydrofreade light 64742-47-8 30% 0.01912% petroleum distiliate Methanol 67-56-1 60% 0.01966% Paraffinic solvent Confidential 100% 0.003% Phenol / formaldehyde 903-35-4 5% 0.03185% Peloyacrylamide Confidential 30% 0.01912% copolymer Polyethylene glycol 25322-68-3 5% 0.00159% Sodium chloride 7647-14-5 5% 0.00319% Sodium perborate 100% 0.0079% Sodium persulfate 7757-82-6 0.1% 0.00011% Sorbitan monooleate 200-65-6 1% 0.00011% Sorbitan monooleate 200-65-6 1% 0.00064% derivative Sorbitan mono-9- octadecenoate, (Z) Tributyl tetradecyl 2732-18-5 10% 0.0024% Date: Signed Electronically Printed Name: Nm Young Nm Young Nm Young 1782-18-18 10% 0.00066%							1000				
Hexamethylenetetramine					14808-60-7		100%				
Hydrotreated light petroleum distillate Hydrotreated light petroleum distillate Methanol 67-56-1 60% 0.01906% 0.01906% Paraffinic solvent Confidential 100% 0.003% Phenol / formaldehyde 9003-35-4 5% 0.03185% resin Polyacrylamide copolymer Confidential 30% 0.01912% Copolymer Polyethylene glycol 25322-68-3 5% 0.00189% Sodium perborate 10488-00-7 100% 0.000199% Sodium sulfate 7757-82-6 0.1% 0.00019% Sorbitan monooleate polyoxyethylene Sorbitan monooleate Sorbitan mono							0.01%		0%		
petroleum distillate Methanol 67-56-1 60% 0.01906% Paraffinic solvent Confidential 100% 0.003% Phenol / formaldehyde 9003-35-4 5% 0.03185% Polyacrylamide Confidential 30% 0.01912% Polyacrylamide Confidential 30% 0.01912% Polyacrylamide Confidential 30% 0.01912% Polyacrylamide Confidential 30% 0.0159% Sodium ethionide 7647-14-5 5% 0.00319% Sodium ethionide 7647-14-5 5% 0.00319% Sodium perborate 10486-00-7 100% 0.00709% tetrahydrate Sodium persulfate 7775-22-1 100% 0.00011% Sorbitan monoleate 9005-65-6 0.1% 0.00011% Sorbitan monoleate 9005-65-6 1% 0.00064% derivative Sorbitan, mono-9 1338-43-8 1% 0.00064% Sorbitan, mono-9 1338-43-8 10% 0.00064% Sorbitan, mono-9 1338-43-8 10% 0.00024% Printed Name: Nam Young Nature 7732-18-5 100% 0.06066% Signature: Signed Electronically Printed Name: Nm Young Title: Manager Manager Namager Namag											
Methanol 67-56-1 60% 0.01906%					64/42-4/-8		30%		0.01912%		
Paraffinic solvent Confidential 100% 0.003%					67-56-1			60%	/-	0.01906%	
Phenol / formaldehyde resin											
Polyactrylamide Confidential 30% 0.01912%				Phenol / formaldehyde	9003-35-4		5%				
Copolymer					Confidential	Confidential		30%	(8)	0.01012%	
Sodium chloride 7647-14-5 5% 0.00319%							240,400			0.0131270	
Sodium perborate tetrahydrate 10486-00-7 100% 0.00709%				Polyethylene glycol			5%		Ĭ		
tetrahydrate Sodium persulfate 7775-27-1 100% 0.11379% Sodium persulfate 7775-27-1 100% 0.00011% 0.00011% Sorbitan monopleate polyoxyethylene derivative Sorbitan, mono-9- 0.00064% Sorbitan, mono-9- 0.00064% O.00064% O.00066% O.00066											
Sodium persulfate 7775-27-1 100% 0.11379% Sodium sulfate 7775-27-1 100% 0.00011% Sorbitan monopleate polyoxyethylene derivative Sorbitan, mono-9- octadecenoate, (Z) Tributyl tetradecyl phosphonium chloride Water 7732-18-5 10% 0.0024% 0.00066% 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 Nm Young Title: Manager Manage					10486-00-7			100%		0.00709%	
Sodium sulfate 7757-82-6 0.1% 0.00011%					7775-27-1		<u> </u>	100%		0.11379%	
Sorbitan monopleate polyoxyethylene derivative Sorbitan, mono-9- total derivative											
Sorbitan, mono-9-				Sorbitan monooleate polyoxyethylene							
Tributyl tetradecyl phosphonium chloride Water 7732-18-5 100% 0.00224% 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 Date: 9/11/2015				Sorbitan, mono-9-			12563			0.00064%	
Water 7732-18-5 100% 0.06066% 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 Date: 9/11/2015				Tributyl tetradecyl						0.00224%	
Signed Electronically Printed Name: Nm Young Title: Manager Date: 9/11/2015				Water			Ĭ.	100%		0.06066%	
Date: 9/11/2015					my knowledge a	nd belief.					
			Printed Name: Nm Young	<u> </u>			Title: Manager	<u> </u>			
	01111201										

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.