

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-28150
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Yates Petroleum Corporation		6. State Oil & Gas Lease No.
3. Address of Operator 105 South Fourth Street, Artesia, NM 88210		7. Lease Name or Unit Agreement Name Tackitt AOT
4. Well Location Unit Letter <u>I</u> : <u>1650</u> feet from the <u>South</u> line and <u>990</u> feet from the <u>East</u> line Section <u>28</u> Township <u>19S</u> Range <u>25E</u> NMPM <u>Eddy</u> County		8. Well Number 117
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3472'GR		9. OGRID Number 025575
		10. Pool name or Wildcat N. Seven Rivers; Glorieta-Yeso

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: Plugback and recomplete ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1/18/12 – NU BOP.

1/19/12 – Set a 7" CIBP at 7586'. Tagged CIBP. Spotted 20 sx Class "H" cement on top of CIBP. Calc TOC 7477'. Spotted 40 sx Class "C" Neat cement at 6194'. Calc TOC 5948'. Spotted 40 sx Class "C" Neat cement at 3926'. Calc TOC 3680'.

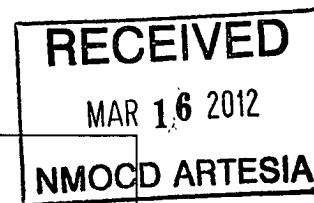
1/22/12 – Tagged plug at 3784'. Tested casing to 2000 psi for 20 min. ND BOP.

2/15/12 – Perforated Yeso 2430'-2438' (9), 2442'-2444' (3), 2448'-2450' (3), 2456'-2468' (13), 2478'-2484' (7), 2556'-2560' (5), 2568'-2572' (5), 2614'-2618' (5) and 2630'-2634' (5). Frac with slick water with Friction Red, 8767 bbls fluid, 24,311# 100 mesh sand, 59,385# 40/70 Texas gold, 98,127# 16/30 Texas gold in concentration of .2# to 1# 100 mesh, .2# to 1# 40/70, 1# to 3# 16/30. Broke 3000 psi, avg 2415 psi, ISDP 1726#, 15 min 1536 psi. 2-7/8" 6.5# J-55 tubing at 2701'.

Fracture Treatment Details Attached

Spud Date:

Rig Release Date:



I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Tina Huerta TITLE Regulatory Compliance Supervisor DATE March 15, 2012

Type or print name Tina Huerta E-mail address: tinah@yatespetroleum.com PHONE: 575-748-4168
For State Use Only

APPROVED BY: T.C. Shepard TITLE Geologist DATE 1/

Conditions of Approval (if any):

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date	3/14/2012
State	NM
County	Eddy
API Number	
Operator Name	Yates Petroleum
Well Name and Number	NDDUP #117
Longitude	104.36873
Latitude	34.26175
Long/Lat Projection	UTM
Production Type	Oil
True Vertical Depth (TVD)	2,634
Total Water Volume (gal)	3,368,214

Hydraulic Fracturing Fluid Composition

Trade Name	Supplier	Purpose	Ingredients	Chemical/Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)	Comments
Water	Operator	Carrier	Water	7732-18-5	100.00%		
HCl, 10.1 - 15%	FTSI	Acidizing	Hydrochloric Acid	7647-01-0	15.00%	94.07394%	
			Water	7732-18-5	85.00%		
CI-150	FTSI	Corrosion Inhibitor	Isopropanol	67-63-0	30.00%		
			Dimethylformamide	68-12-2	10.00%		
			Organic amine resin salt	Proprietary	30.00%		
			Quaternary ammonium compound	Proprietary	10.00%		
			Aromatic aldehyde	Proprietary	10.00%		
			Ethylene Glycol	107-21-1	30.00%		
			Diethylene glycol	111-46-6	1.00%		
			Water	7732-18-5	5.00%		
			Fatty acid	Proprietary	0.10%		
			Fatty acid salt	Proprietary	0.10%		
			Aliphatic alcohol	Proprietary	0.10%		
			Alkylene Oxide Block Polymer	Proprietary	10.00%		
FRW-200	FTSI	Friction Reducer	Petroleum Distillate Hydrotreated light	64742-47-6	30.00%	0.02141%	
			Ethylene glycol	107-21-1	4.00%	0.00285%	
			Water	7732-18-5	60.00%	0.04281%	
			Aliphatic hydrocarbon	Proprietary	30.00000%	0.02141%	
			Polyol Ester	Proprietary	5.00%	0.00357%	
			Acrylamide	79-06-1	0.10%	0.00007%	
			Anionic Polymer	Proprietary	30.00%	0.02141%	
			Polysilical Ester	Proprietary	0.10%	0.00007%	
			Oxalkylated alcohol	Proprietary	5.00%	0.00357%	
FE-100L	FTSI	Iron Control	Chloric Acid	77-92-9	55.00%		
			Water	7732-18-5	60.00%		
Shale Surf 1000	FTSI	Flow-back Enhancer	Ethoxylated alcohol	Proprietary	20.00%	0.01771%	
			2-Butoxyethanol	111-79-2	10.00%	0.00886%	
			2-Propanol	67-63-0	10.00%	0.00886%	
			Cyclohexane	5989-27-5	10.00%	0.00886%	
			Methanol	67-58-1	10.00%	0.00886%	
HVG-1	FTSI	Guar Slurry	Water	7732-18-5	85.00%	0.07528%	
			Guar Gum	9000-30-0	50.00%		
			Petroleum Distillate	64742-47-6	55.00%		
BXL-2	FTSI	Crosslinker	Clay	14808-60-7	2.00%		
			Sodium metaborate	10556-76-7	25.00%		
			Boric acid	10043-35-3	15.00%		
			Potassium hydroxide	1310-58-3	12.00%		
			Water	7732-18-5	75.00%		
			Surfactant	88439-51-1	2.00%		
			Ethylene Glycol monobutyl ether	111-79-2	0.25%		
LTB-1	FTSI	Breaker	Ammonium Persulfate	7727-54-0	100.00%		
			Cured acrylic resin	Proprietary	100.00%		
			Silica, Crystalline Quartz	14808-60-7	10.00%		
CS-210	FTSI	Polymer Breaker	Sodium Chloride	7647-14-5	15.00%	0.01581%	
			Sodium Chloride	7758-19-2	5.00%	0.00520%	
			Sodium Hydroxide	1310-73-2	0.00%	0.00000%	
			Water	7732-18-5	80.00%	0.08324%	
B-5	FTSI	Low pH Buffer	Acetic Acid	64-19-7	90.00%		
			Water	7732-18-5	35.00%		
ICI-150	FTSI	Biocide	Glutaral	111-30-8	50.00%	0.02840%	
			Water	7732-18-5	50.00%	0.02840%	
			Methanol	67-58-1	0.50%	0.00029%	
Super LC 20/40	Santrol	Proppant	Crystalline Silica (Quartz)	14808-60-7	97.00%		
			Phenol-Formaldehyde Novolak Resin	9003-35-4	5.00%		
			Hexamethylenetetramine	100-97-0	1.00%		
Sand, White, 40/70	FTSI	Proppant	Crystalline Silica (Quartz)		100.00%	1.78841%	
Sand, White, 100 Mesh	Santrol	Proppant	Crystalline Silica (Quartz)		100.00%	0.81486%	
Sand Texas Gold, 16/30	FTSI	Proppant	Crystalline Silica (Quartz)		100.00%	3.00602%	

** Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.

Calculation Section

Chemical	Volume Pumped (gals)	Max Density (lb/gal)	Total Mass (lbs)
Water	368,214	8.34	3070904.78
15% HCL		8.962	
CI-150		8.2	
FRW-200	282	8.26	2329.32
FE-100L		9.82	
SS-1000	350	8.26	2891
HVG-1		8.97	
BXL-2		9.78	
LTB-1		15.14	
CS-210	280	12.13	3396.4
B-5		8.92	
ICI-150	183	9.42	1723.86
Super LC 20/40			
White 40/70 (lbs)	58380	-	58380
100 Mesh (lbs)	26600	-	26600
TG 16/30 (lbs)	98127	-	98127
Total Mass (lbs)			3264352.34