

Submit within 45 days of well completion

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

Revised November 6, 2013

1. WELL API NO:
30-025-40802

2. Well Name:
PORTER BROWN #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒Original

☐Amendment

4. Surface Hole Location:
Unit:P Lot:P Section:19 Township:26S Range:33E
Feet from:340 N/S Line:S
Feet from:340 E/W Line:E

5. Bottom Hole Location:
Unit:P Lot:P Section:19 Township:26S Range:33E
Feet from:340 N/S Line:S
Feet from:340 E/W Line:E

6. latitude: longitude:
32.0227160395753 -
103.603900157867

7. County:
Lea

8. Operator Name and Address:
CHEVRON U S A INC
Attn: Sandy Stedman-Daniel
P.O. Box 2100
Houston 77252

9. OGRID: 4323

10. Phone Number: 505-333-1941

11. Last Fracture Date: 3/9/2013 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
97955

14. Gross Fractured Interval:
9,639 ft to 13,359 ft

15. True Vertical Depth (TVD):
9,194 ft

16. Total Volume of Fluid Pumped:
3,381,325 gals

17. Total Volume of Re-Use Water Pumped:
N/A

18. Percent of Re-Use Water in Fluid Pumped:
Not Disclosed

19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:						
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Water	Chevron	Base Fluid			100%	89.08521%
HYDROCHLORIC ACID, 10%	Halliburton	Solvent	10% Hydrochloric Acid	7647-01-0	30%	0.35757%
HYDROCHLORIC ACID, 15%	Halliburton	Solvent	15% Hydrochloric Acid	7647-01-0	30%	0.03667%
Sand-100 mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.67509%
Sand-40/70	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	7.64588%
HPH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0%
SCALECHECK LP-55	Halliburton	Scale Inhibitor	Polyacrylate	Confidential Business Information	60%	0.01334%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.02143%
CLA-WEB	Halliburton	Clay Stabilizer	Ammonium salt	Confidential Business Information	60%	0.01854%
LOSURF-300D	Halliburton	Non-ionic Surfactant	Ethanol	64-17-5	60%	0.05164%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02582%
			Naphthalene	91-20-3	5%	0.0043%
			1,2,4 Trimethylbenzene	95-63-6	1%	0.00086%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.0043%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00029%
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.00119%
WG-36	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.02251%
OPTIKLEEN-WF	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.01129%
K-35	Halliburton	Buffer	Sodium carbonate	497-19-8	100%	0.00079%
CorrSorb 3600	Baker Hughes	Corrosion Inhibitor	Diatomaceous earth, calcined	91053-39-3	80%	0.00606%
			Quaternary ammonium compound	61789-71	15.06%	0.00114%
			Acid phosphate ester	1-9-9046	5.47%	0.00041%
			Crystalline silica: Quartz (SiO2)	14808-60-7	1%	8E-05%
Parasorb 5100	Baker Hughes	Paraffin Inhibitor	Calcined Diatomaceous Earth	91053-39-3	72%	0.00818%
			Cobalt (II) Chloride	7646-79-9	0.1%	1E-05%
			Crystalline Silica (Quartz)	14808-60-7	0.1%	1E-05%
			Ethylene-Vinyl Acetate Copolymer	24937-78-8	15%	0.0017%
			Iron (II) Chloride Tetrahydrate	13478-10-9	0.1%	1E-05%
			Manganese (II) Chloride	13446-34-9	0.1%	1E-05%
			White Mineral Oil	8042-47-5	15%	0.0017%
			Diatomaceous earth, calcined	91053-39-3	65%	0.00739%
			Organophosphorus salt	Trade Secret	40%	0.00455%
			Crystalline silica: Quartz (SiO2)	14808-60-7	1%	0.00011%
Ingredients shown above are subject to 29 CFR 1910			2634-33-5		0%	0%
			915-67-3		0%	0%
			6625-46-3		0%	0%
			68551-12-2		0%	0%
			75-57-0		0%	0%
			593-81-7		0%	0%
			12125-02-9		0%	0%
			121888-68-4		0%	0%
			10043-52-4		0%	0%
			14808-60-7		0%	0%
			37288-54-3		0%	0%
			3734-67-6		0%	0%
			29316-47-0		0%	0%
			63428-92-2		0%	0%
			62649-23-4		0%	0%
			34004-36-9		0%	0%
			3327-22-8		0%	0%
			75-50-3		0%	0%
			112926-00-8		0%	0%
			7647-14-5		0%	0%
			7757-82-6		0%	0%
			9005-65-6		0%	0%
			1338-43-8		0%	0%
			67254-71-1		0%	0%
			56449-46-8		0%	0%
			68155-20-4		0%	0%
			107-21-1		0%	0%
			7664-38-2		0%	0%
			78330-21-9		0%	0%
			7631-90-5		0%	0%
			870-72-4		0%	0%
			68-11-1		0%	0%
			7732-18-5		0%	0%

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: Cindy Herrera-Murillo

Date: 11/25/2013

E-mail Address: eeof@chevron.com

Title: Permitting Specialist

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