

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-0720

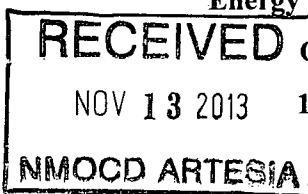
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources



Oil Conservation Division

☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210		² OGRID Number 025575
		³ API Number 30-015-28631
⁴ Property Code 17315	⁵ Property Name Patrick API	⁶ Well No. 2

7. Surface Location

UL - Lot G	Section 9	Township 19S	Range 25E	Lot Idn	Feet from .1980	N/S Line North	Feet From 1980	E/W Line East	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
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9. Pool Information

<i>Penasco Draw, San Andres</i> N. Seven Rivers, Gloria-Yeso	Pool Name <i>Y-850</i>	Pool Code 97565 <i>50270</i>
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Additional Well Information

¹¹ Work Type P	¹² Well Type O	¹³ Cable/Rotary NA	¹⁴ Lease Type P	¹⁵ Ground Level Elevation 3519' GL
¹⁶ Multiple N	¹⁷ Proposed Depth NA	¹⁸ Formation Glorieta-Yeso	¹⁹ Contractor NA	²⁰ Spud Date NA
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Refer to Original Completion						

Casing/Cement Program: Additional Comments

Refer to page 2

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Manual BOP	3000 psi	3000 psi	Whichever company is available

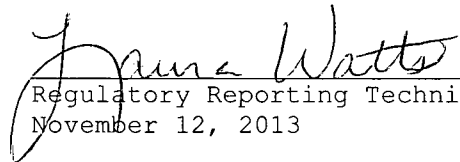
²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐ , if applicable. Signature: <i>Laura Watts</i>		OIL CONSERVATION DIVISION Approved By: <i>T. C. Shepard</i> Title: "Geologist" Approved Date: <i>11/13/2013</i> Expiration Date: <i>11/13/2015</i> Conditions of Approval Attached: <i>Submit C-102</i>	
Printed name: Laura Watts Title: Regulatory Reporting Technician E-mail Address: laura@yatespetroleum.com Date: November 12, 2013 Phone: 575-748-4272			

Resubmit:

Yates Petroleum Corporation plans to Plugback and Recomplete this well as follows:

1. NU BOP. RU all safety equipment as needed.
2. Run a GR/JB to 7,740'. Set a CIBP at 7,734' with 35' cement on top. This will place a plug over the open Canyon perforations.
3. Spot a 100 sx class "C" plug from 5,487' to 6,075'. This will leave a plug across the Wolfcamp top and the stage tool. WOC and tag; reset if necessary.
4. Spot a 25 sx class "C" plug from 4,660' to 4,810'. This will leave a plug across the Abo top. WOC and test the casing to 3400 psi.
5. Perforate Yeso 2,366' to 2,412' (47 holes)
6. Pump a fracture treatment (treating schedule attached) down the 7" casing limiting the surface treating pressure to 3000 psig. Set a pop off valve at 3500 psi. Flush to the bottom perf and then over flush by 600 bbls.
7. Flow the well back and allow the well to clean up. TIH with tubing to check for fill and to ensure that the perforations are not covered.
8. TIH with TAC and 2.875" tubing. Swab the well until cleans up, then turn the well over to production department.

Schematics attached


Regulatory Reporting Technician
November 12, 2013

WELL NAME: Patrick API #2 FIELD: Dagger Draw
 LOCATION: 1,980' FNL & 1,980' FEL of Section 9-19S-25E Eddy Co., NM
 GL: 3,519' ZERO: 18' KB: 3,537'
 SPUD DATE: 11/30/95 COMPLETION DATE: 1/4/96
 COMMENTS: API No.: 30-015-28631

CASING PROGRAM

9-5/8" 36#	1,162'
7" 26#/23#	8,240'

Before

14-3/4" Hole

9-5/8" @ 1,162' w/1,200 sx (Circ)

TOPS

SA	686'
Glorieta	2,164'
Abo	4,760'
WC	5,537'
Canyon	7,639'

8-3/4" Hole

DV tool @ 6,025'

Perfs: 7,784-7,823'

7" @ 8,240' w/ 1,400 sx (Circ)

TD: 8,240'

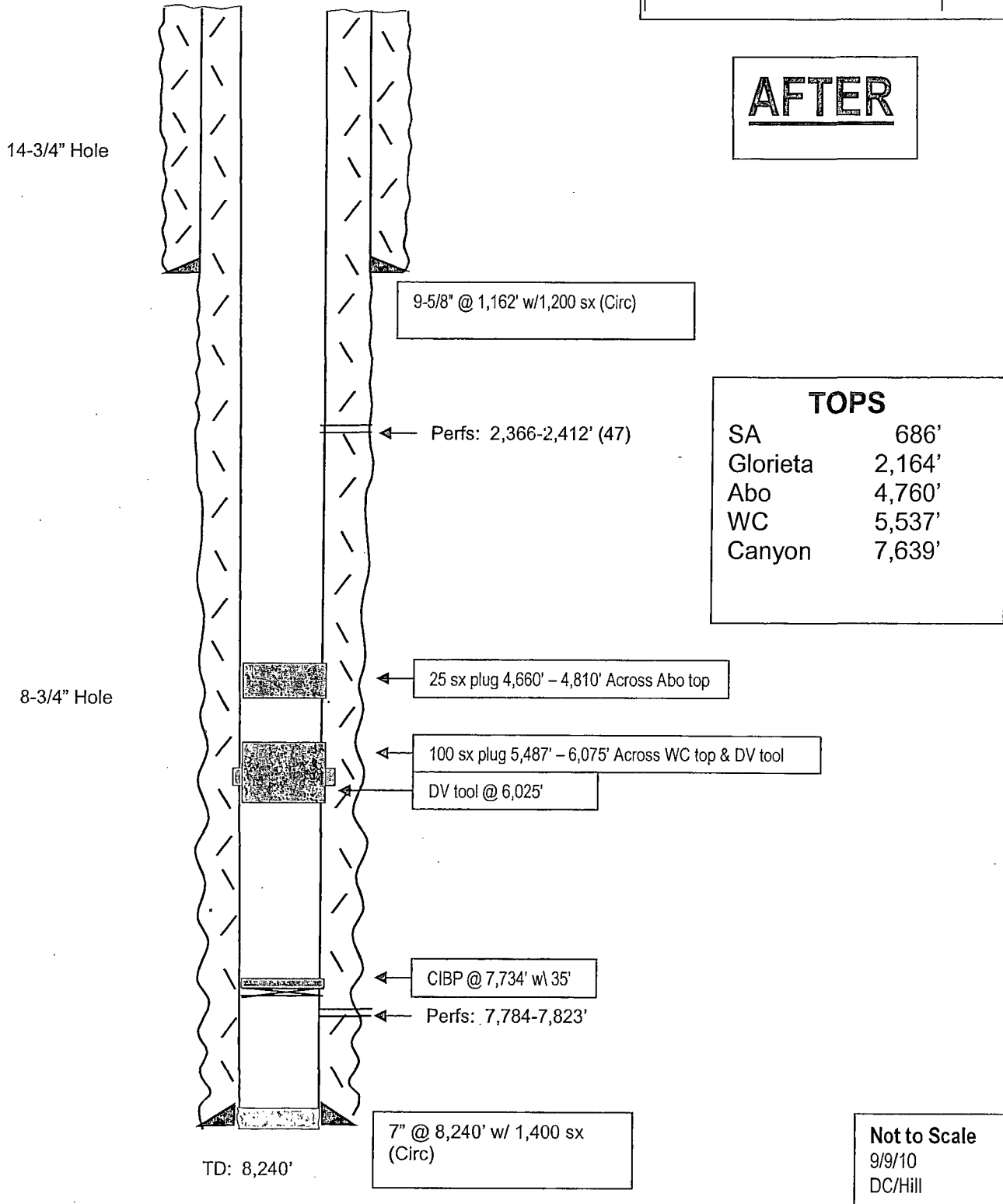
Not to Scale
 9/9/10
 DC/Hill

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AFTER



Treating Schedule

Sta. #	Fluid	Stg. Type	Cln. Vol. (gals)	Rate (bpm)	Proppant	Conc. (lb/gal)	Stage Prop. (lbs)	Cum. Prop. (lbs)
1	Slick Water	Prepad	100	20		0.0	0	0
2	20% HCL	Acid	3,000	30		0.0	0	0
3	Slick Water	Prepad	2,000	100		0.0	0	0
4	Slick Water	Pad	56,000	100		0.0	0	0
5	Slick Water	Slurry	4,500	100	100 Mesh	0.2	900	900
6	Slick Water	Sweep	4,500	100		0.0	0	900
7	Slick Water	Slurry	4,500	100	100 Mesh	0.3	1,350	2,250
8	Slick Water	Sweep	4,500	100		0.0	0	2,250
9	Slick Water	Slurry	4,500	100	100 Mesh	0.4	1,800	4,050
10	Slick Water	Sweep	4,500	100		0.0	0	4,050
11	Slick Water	Slurry	4,500	100	100 Mesh	0.5	2,250	6,300
12	Slick Water	Sweep	4,500	100		0.0	0	6,300
13	Slick Water	Slurry	4,500	100	100 Mesh	0.6	2,700	9,000
14	Slick Water	Sweep	4,500	100		0.0	0	9,000
15	Slick Water	Slurry	4,500	100	100 Mesh	0.7	3,150	12,150
16	Slick Water	Sweep	4,500	100		0.0	0	12,150
17	Slick Water	Slurry	4,500	100	100 Mesh	0.8	3,600	15,750
18	Slick Water	Sweep	4,500	100		0.0	0	15,750
19	Slick Water	Slurry	4,500	100	100 Mesh	0.9	4,050	19,800
20	Slick Water	Sweep	4,500	100		0.0	0	19,800
21	Slick Water	Slurry	4,500	100	100 Mesh	1.0	4,500	24,300
22	Slick Water	Pad	10,700	100		0.0	0	24,300
23	Slick Water	Slurry	20,000	100	40/70 Brady	0.2	4,000	28,300
24	Slick Water	Sweep	6,000	100		0.0	0	28,300
25	Slick Water	Slurry	20,000	100	40/70 Brady	0.3	6,000	34,300
26	Slick Water	Sweep	6,000	100		0.0	0	34,300
27	Slick Water	Slurry	20,000	100	40/70 Brady	0.4	8,000	42,300
28	Slick Water	Sweep	6,000	100		0.0	0	42,300
29	Slick Water	Slurry	20,000	100	40/70 Brady	0.5	10,000	52,300
30	Slick Water	Sweep	6,000	100		0.0	0	52,300
31	Slick Water	Slurry	20,000	100	40/70 Brady	0.6	12,000	64,300
32	Slick Water	Sweep	6,000	100		0.0	0	64,300
33	Slick Water	Slurry	20,000	100	40/70 Brady	0.7	14,000	78,300
34	Slick Water	Sweep	6,000	100		0.0	0	78,300
35	Slick Water	Slurry	20,000	100	40/70 Brady	0.8	16,000	94,300
36	Slick Water	Sweep	6,000	100		0.0	0	94,300
37	Slick Water	Slurry	23,000	100	40/70 Brady	0.9	20,700	115,000
38	Slick Water	Sweep	6,000	100		0.0	0	115,000
39	Slick Water	Slurry	24,000	100	40/70 Brady	1.0	24,000	139,000
40	Slick Water	Pad	17,000	100		0.0	0	139,000
41	Slick Water	Slurry	17,000	100	16/30 Brady	1.0	17,000	156,000
42	Slick Water	Slurry	24,000	100	16/30 Brady	2.0	48,000	204,000
43	Slick Water	Slurry	32,000	100	16/30 Brady	3.0	96,000	300,000
44	Slick Water	Flush	2,388	100		0.0	0	300,000
45	Slick Water	Flush	29,100	100		0.0	0	300,000
Totals							300,000	

Estimated Surface Treating Pressure = 2,223 psig.
Maximum Surface Treating Pressure = 3,000 psig.