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) 748-9720
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

NM OIL CONSERVATION
ARTESIA DISTRICT
MAR 30 2015
RECEIVED

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT

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

1. Operator Name and Address	2. OGRID Number
Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210	025575
	3. API Number 30-015-33999

4. Property Code	5. Property Name	6. Well No.
38106	Cohiba BPY State	1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
D	1	25S	27E		660	North	660	West	Eddy

8. Proposed Bottom Hole Location

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

9. Pool Information

Pool Name	Pool Code
Sulphate Draw ~~Wildcat~~; Wolfcamp (Gas)	85280

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
P	G	NA	S	3,144' GR
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	NA	Wolfcamp	NA	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
	17-1/2"	13-3/8"	48#	605'	600 sx	0
	12-1/4"	9-5/8"	36#	2,235'	800 sx	0
	8-3/4"	7"	23#, 26#	9,300'	1210 sx	0
	6-1/8"	4-1/2"	11.6#	12,942'	575 sx	9,250'

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: Laura Watts

Printed name: Laura Watts

Title: Regulatory Reporting Technician

E-mail Address: laura@yatespetroleum.com

Date: March 27, 2015 Phone: 575-748-4272

OIL CONSERVATION DIVISION

Approved By: [signature]

Title: Dist II Supervisor

Approved Date: 4/8/2015 Expiration Date:

Conditions of Approval Attached

Proposal to Plugback and Recomplete:

Yates Petroleum Corporation plans to plugback and recomplete this well as follows:

1. Rig up all safety equipment necessary.
2. NU BOP. POOH 2.375" tubing, O/O tool, 1.87" profile nipple and the packer set at 12,214'. If necessary load the hole with 2% KCL water.
3. Set a CIBP at 12,244' and cap it 25' of Class "H" cement.
4. Perforate Wolfcamp 10,162' to 10,370' (75 holes).
5. Spot 2,500 gallons of double inhibited 15% HCL across the perfs. Break down the perforations while holding 1,500 psi on the 4.5" X 9-5/8" annulus. Set a pop off valve on the backside at 2000 psi. The Maximum allowable surface treating pressure is 8,500 psi.
6. Pump a fracture treatment down the 4-1/2" casing while holding 1,500 psi on the 4.5" X 9-5/8" annulus (treating schedule 1 attached). Set a pop off valve on the backside at 2,000 psi. The maximum allowable surface treating pressure is 8,500 psi.
7. Set a composite caged ball frac plug at 10,120' and perforate Wolfcamp 9,914' to 10,032' (61 holes).
8. Pump a fracture treatment down the 4-1/2" casing while holding 1,500 psi on the 4.5" X 9-5/8" annulus (treating schedule 2 attached). Set a pop off valve on the backside at 2,000 psi. The maximum allowable surface treating pressure is 8,500 psi.
9. Set a composite caged ball frac plug at 9,895' and perforate Wolfcamp 9,822' to 9,870' (60 holes).
10. Pump a fracture treatment down the 4-1/2" casing while holding 1,500 psi on the 4.5" X 9-5/8" annulus (treating schedule 3 attached). Set a pop off valve on the backside at 2,000 psi. The maximum allowable surface treating pressure is 8,500 psi.
11. Shut the well in for 6 hours to allow the gel to break. Flow the well until it dies.
12. Drill out the composite frac plugs and make sure none of the perfs are covered with sand. POOH.
13. TIH with production equipment specified by the production department.
14. Turn the well to production.

Schematics attached

Tina Watts
Regulatory Reporting Technician
March 27, 2015

WELL NAME: Cohiba BPY ST #1 **FIELD**:

LOCATION: 660' FNL & 660' FWL of Section 1-25S-27E Eddy Co, New Mexico

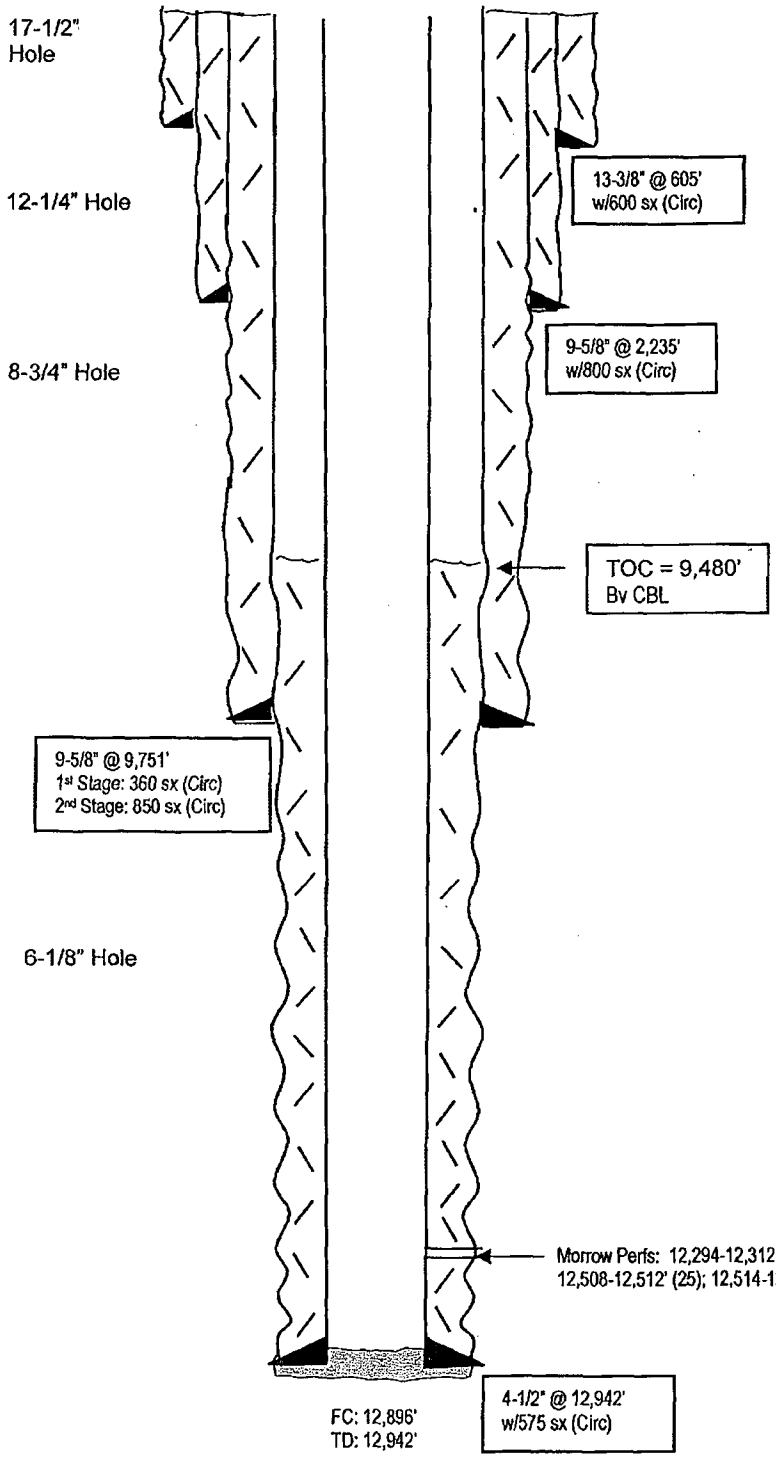
GL: 3,144 **ZERO**: **KB**: 3,161'

SPUD DATE: 3/31/05 **COMPLETION DATE**:

COMMENTS: API No.: 30-015-33999

CASING PROGRAM

13-3/8" 48# H40	605'
9-5/8" 36# J55 STC	2,235'
7" 26# J55 1,137'	
7" 23# J55 3,823'	
7" 26# J55 906'	
7" 26# HCP110 19'	
7" 26# J55 1,194'	
7" 26# HCP110 2,241'	9,300'
4-1/2" 11.6# HCP110	12,942'



Before

Tops:

Rustler	470'
Castille	600'
Delaware	2,430'
Bone Spring	5,902'
2nd Bone Spring	7,490'
Wolfcamp	9,157'
Strawn	11,424'
Morrow	12,225'

Not to Scale
12/11/14
JMH

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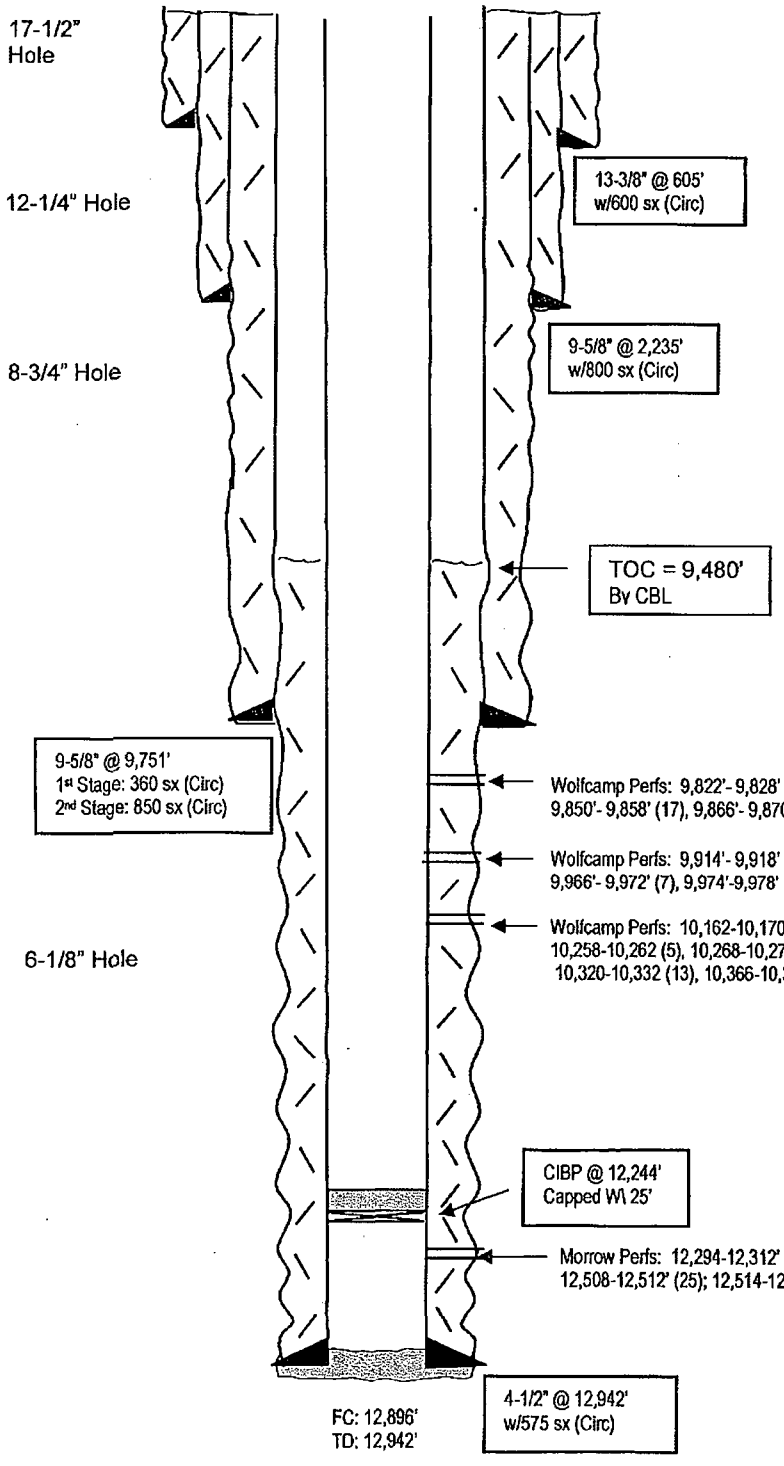
7" 23# J55	3,823'	
7" 26# J55	906'	
7" 26# HCP110	19'	
7" 26# J55	1,194'	
7" 26# HCP110	2,241'	9,300'
4-1/2" 11.6# HCP110		12,942'



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Not to Scale
12/11/14
JMH

Treating Schedule 1

Stage Number	Stage Description	Fluid System	Rate BPM	Clean Volume gal	Slurry Volume gal	Prop Conc lb/gal	Prop Volume Stage	Prop Volume Cum	Prop Type	Stage Time
1.00	Breakdown	Slickwater	25	5,000	5,000		0	0		4.8
2.00	Acid	15% HCl	10	5,000	5,000		0	0		11.9
3.00	SLF	Slickwater	60	12,000	12,000		0	0		4.8
4.00	SLF	Slickwater	60	3,680	3,722	0.25	920	920	100 Mesh	1.5
5.00	SLF	Slickwater	60	6,640	6,791	0.50	3,320	4,240	100 Mesh	2.7
6.00	SLF	Slickwater	60	7,920	8,191	0.75	5,940	10,180	100 Mesh	3.3
7.00	SLF	Slickwater	60	7,920	8,281	1.00	7,920	18,100	100 Mesh	3.3
8.00	SLF	Slickwater	60	7,920	8,371	1.25	9,900	28,000	100 Mesh	3.3
9.00	SLF	Slickwater	60	8,000	8,547	1.50	12,000	40,000	100 Mesh	3.4
10.00	Sweep	10# Linear Gel	60	12,000	12,000	0.00	0	40,000		4.8
11.00	SLF	10# Linear Gel	60	6,640	6,716	0.25	1,660	41,660	40/70 Ottawa	2.7
12.00	SLF	10# Linear Gel	60	20,000	20,456	0.50	10,000	51,660	40/70 Ottawa	8.1
13.00	SLF	10# Linear Gel	60	26,720	27,634	0.75	20,040	71,700	40/70 Ottawa	11.0
14.00	SLF	15# Linear Gel	60	26,800	28,022	1.00	26,800	98,500	40/70 Ottawa	11.1
15.00	SLF	15# Linear Gel	60	26,800	28,328	1.25	33,500	132,000	40/70 Ottawa	11.2
16.00	SLF	15# Linear Gel	60	22,000	23,505	1.50	33,000	165,000	40/70 Ottawa	9.3
17.00	SLF	15# Linear Gel	60	20,000	21,596	1.75	35,000	200,000	40/70 Ottawa	8.6
18.00	Flush	Slickwater	60	6,605	6,605		0	200,000		2.6

Estimated Surface Treating Pressure = 7,630 psig.
Maximum Surface Treating Pressure = 8,500 psig.

Treating Schedule 2

Stage Number	Stage Description	Fluid System	Rate BPM	Clean Volume gal	Slurry Volume gal	Prop Conc lb/gal	Prop Volume Stage	Prop Volume Cum	Prop Type	Stage Time
1.00	Breakdown	Slickwater	25	5,000	5,000		0	0		4.8
2.00	Acid	15% HCl	10	5,000	5,000		0	0		11.9
3.00	SLF	Slickwater	60	12,000	12,000		0	0		4.8
4.00	SLF	Slickwater	60	2,981	3,015	0.25	745	745	100 Mesh	1.2
5.00	SLF	Slickwater	60	5,378	5,501	0.50	2,689	3,434	100 Mesh	2.2
6.00	SLF	Slickwater	60	6,415	6,635	0.75	4,811	8,246	100 Mesh	2.6
7.00	SLF	Slickwater	60	6,415	6,708	1.00	6,415	14,661	100 Mesh	2.7
8.00	SLF	Slickwater	60	6,415	6,781	1.25	8,019	22,680	100 Mesh	2.7
9.00	SLF	Slickwater	60	6,480	6,923	1.50	9,720	32,400	100 Mesh	2.7
10.00	Sweep	10# Linear Gel	60	12,000	12,000	0.00	0	32,400		4.8
11.00	SLF	10# Linear Gel	60	5,378	5,440	0.25	1,345	33,745	40/70 Ottawa	2.2
12.00	SLF	10# Linear Gel	60	16,200	16,569	0.50	8,100	41,845	40/70 Ottawa	6.6
13.00	SLF	10# Linear Gel	60	21,643	22,383	0.75	16,232	58,077	40/70 Ottawa	8.9
14.00	SLF	15# Linear Gel	60	21,708	22,698	1.00	21,708	79,785	40/70 Ottawa	9.0
15.00	SLF	15# Linear Gel	60	21,708	22,945	1.25	27,135	106,920	40/70 Ottawa	9.1
16.00	SLF	15# Linear Gel	60	17,820	19,039	1.50	26,730	133,650	40/70 Ottawa	7.6
17.00	SLF	15# Linear Gel	60	16,200	17,493	1.75	28,350	162,000	40/70 Ottawa	6.9
18.00	Flush	Slickwater	60	6,444	6,444		0	162,000		2.6

Estimated Surface Treating Pressure = 7,444 psig.
Maximum Surface Treating Pressure = 8,500 psig.

Treating Schedule 3

Stage Number	Stage Description	Fluid System	Rate BPM	Clean Volume gal	Slurry Volume gal	Prop Conc lb/gal	Prop Volume Stage	Prop Volume Cum	Prop Type	Stage Time
1.00	Breakdown	Slickwater	25	5,000	5,000		0	0		4.8
2.00	Acid	15% HCl	10	5,000	5,000		0	0		11.9
3.00	SLF	Slickwater	60	12,000	12,000		0	0		4.8
4.00	SLF	Slickwater	60	2,981	3,015	0.25	745	745	100 Mesh	1.2
5.00	SLF	Slickwater	60	5,378	5,501	0.50	2,689	3,434	100 Mesh	2.2
6.00	SLF	Slickwater	60	6,415	6,635	0.75	4,811	8,246	100 Mesh	2.6
7.00	SLF	Slickwater	60	6,415	6,708	1.00	6,415	14,661	100 Mesh	2.7
8.00	SLF	Slickwater	60	6,415	6,781	1.25	8,019	22,680	100 Mesh	2.7
9.00	SLF	Slickwater	60	6,480	6,923	1.50	9,720	32,400	100 Mesh	2.7
10.00	Sweep	10# Linear Gel	60	12,000	12,000	0.00	0	32,400		4.8
11.00	SLF	10# Linear Gel	60	5,378	5,440	0.25	1,345	33,745	40/70 Ottawa	2.2
12.00	SLF	10# Linear Gel	60	16,200	16,569	0.50	8,100	41,845	40/70 Ottawa	6.6
13.00	SLF	10# Linear Gel	60	21,643	22,383	0.75	16,232	58,077	40/70 Ottawa	8.9
14.00	SLF	15# Linear Gel	60	21,708	22,698	1.00	21,708	79,785	40/70 Ottawa	9.0
15.00	SLF	15# Linear Gel	60	21,708	22,945	1.25	27,135	106,920	40/70 Ottawa	9.1
16.00	SLF	15# Linear Gel	60	17,820	19,039	1.50	26,730	133,650	40/70 Ottawa	7.6
17.00	SLF	15# Linear Gel	60	16,200	17,493	1.75	28,350	162,000	40/70 Ottawa	6.9
18.00	Flush	Slickwater	60	6,444	6,444		0	162,000		2.6

Estimated Surface Treating Pressure = 7,375 psig.
Maximum Surface Treating Pressure = 8,500 psig.