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

HOBBS OCD
MAR 30 2012
RECEIVED

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-40039	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. VB-864	
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) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other	7. Lease Name or Unit Agreement Name Mamba BQN State Com
	8. Well Number 1H
2. Name of Operator Yates Petroleum Corporation	9. OGRID Number 025575
3. Address of Operator 105 South Fourth Street, Artesia, NM 88210	10. Pool name or Wildcat Wildcat; Bone Spring (97784)

4. Well Location

Unit Letter	N	:	330	feet from the	South	line and	1980	feet from the	West	line
Unit Letter	C		~~360~~ 4919	feet from the	~~North~~ S	line and	1954	feet from the	West	line
Section	30		Township	24S	Range	33E	NMPM		Lea	County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3553'GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		OTHER: Completion Operations ☒	

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.

12/6/11 – NU BOP. Tagged DV tool at 7145' and drilled. Tested DV tool to 1000 psi, held good. Tagged DV tool at 8804' and drilled. Tested DV tool to 2500 psi, held good. Circulated hole clean.
12/11/11 – Drilled debris sub at 8850' and circulated hole clean. Worked scraper across DV tools and debris sub, circulated hole clean.
12/12/11 – Ran CBL/GR/CC log from 9480'-3200'.
12/13/11 – Pressured up to 5000 psi to open hydraport at 13,617'. Hydraport did not open. ND BOP. Pressured up on 5-1/2" casing to 5300 psi and opened port. Displaced 5-1/2" casing with 330 bbls 3% KCL with Petrolite CRW-132 chemical.
1/22/12 – Frac port 13,617' with slick water carrying 6000# 100 mesh, linear 25# borate gel carrying 26,250# 40/70 Jordan, 25# borate x-linked gel carrying 84,500# 20/40 Super LC. Avg rate 47.2 BPM, avg press 5034 psi. Total prop 114,212#. Dropped 1.75" ball. Pumped 2000g 15% HCL. Slowed rate to 15 BPM at 2242 psi, did not see ball hit. Pumped 100 bbls over casing volume of 296 for total of 396 bbls. Manually dropped another 1.75" ball, pumped 316 bbls. Did not see ball hit. Frac port 13,404' with total prop 114,326#. Avg rate 51 BPM, avg pressure 4556#, loaded 3175 bbls. Flushed with 50 bbls. Dropped 1.875" ball. Did not pump acid. Pumped total of 392 bbls, 100 bbls over displacement. Had a 40# increase the whole time. Did not see ball hit.

CONTINUED ON NEXT PAGE:

Spud Date: 3/1/11 Rig Release Date: 12/2/11

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

SIGNATURE Tina Huerta TITLE Regulatory Reporting Supervisor DATE March 29, 2012

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

For State Use Only

APPROVED BY: TITLE PETROLEUM ENGINEER DATE APR 09 2012

Conditions of Approval (if any):

APR 10 2012

Form C-103 continued:

1/31/12 – MIRU. Flowed well down from 1200 psi to 0 psi. Flowed a total of 295 bbls fluid with good gas and 5-10% oil cut.
2/1/12 – Flowed well down from 750 psi to 100 psi, good gas with 5-10% oil. Pumped 130 bbls brine down casing at 2.5 BPM at 600 psi. Pressure dropped from 600 psi to 0 psi in 3 hrs with good gas and 10% oil cut. Flowed a total of 159 bbls. Pumped 300 bbls brine down 5-1/2" casing at 3 BPM at 600 psi. Pressure dropped from 420 psi to 380 psi in 45 min. Flowed well down from 380 psi to 0 psi. Flowed 130 bbls fluid.
2/2/12 – Flowed back 67 bbls fluid with oil and gas. Pressured after flowing down 0 psi but still flowing oil and gas. Pumped 130 bbls brine down casing at 3 BPM at 600 psi, flowed back well. ND BOP. Well flowing back again. Pumped 200 bbls brine down 5-1/2" casing at 3 BPM at 600 psi, flowed back well. Set CST packer at 8937' and tested annulus from surface to 8937' to 2000 psi, held good. NOTE: DV tools at 7150' and 8801'. Casing packer at 8897'. Released CST packer at 8937'. Reset CST packer at 9639'. Tested annulus to 2000 psi, held good. NOTE: Casing packer at 9617'. TOOH with CST packer to a depth of 8711' and reset. NOTE: Packer hanging up in both DV tools.
2/5/12 – Released packer at 8711'. Circulated annulus and tubing with brine. TOOH with CST packer. ND BOP.
2/16/12 – RIH with 3.875" dummy ball at 9768'. Worked up and down from 9658' to frac port at 10,117', seat ball.
2/17/12 – Circulated 160 bbls. Tested casing to 640 psi. In 30 min 615 psi, lost 25 psi. Changed out dummy ball to 2.875". Frac port 11,465, seat ball. Circulated 60 bbls. Tested to 640 psi. In 30 min 620 psi, dropped 20 psi. RIH with 2.250" dummy ball to frac port 12,627'. Tested well to 650 psi, isolate wellhead in 30 min 640 psi, dropped 10 psi.
3/11/12 – Frac stage 4-10 using gelled water. SIP 789 psi. Dropped 2" ball, pumped 185 bbls. Opened frac port 13,015' with 3290#, pumped 48 bbls 15% HCL acid, 108,902# sand. Avg 5800# at 51 BPM. Dropped 2.125" ball. Opened frac port 12,821' with 4770#, pumped 48 bbls 15% HCL acid, 114,303# sand. Avg 5570# at 50 BPM. Dropped 2.25" ball. Opened frac port 12,627' with 4664#, pumped 48 bbls 15% HCL acid, 107,949# sand. Avg 5620# at 50 BPM. Dropped 2.375" ball. Opened frac port 12,434' with 4697#, pumped 48 bbls 15% HCL acid, 111,652# sand. Avg 6000# at 55 BPM. Dropped 2.5" ball. Opened frac port 12,240' with 6640#, pumped 48 bbls 15% HCL acid, 119,351# sand. Avg 5834# at 60 BPM. Dropped 2.625" ball. Opened frac port 12,046' with 5840#, pumped 48 bbls 15% HCL acid, 114,167# sand. Avg 6082# at 60 BPM. Dropped 2.750" ball. Opened frac port 11,852' with 5880#, pumped 48 bbls 15% HCL acid, 119,516# sand. Avg 5130# at 60 BPM. Dropped 2.875" ball. Opened frac port 11,659' with 5614#, pumped acid away.
3/12/12 – Frac port 11,659', pumped 114,360# sand. Avg 5570# at 60 BPM. Dropped 3" ball. Opened frac port 11,465' with 5780#, pumped 48 bbls 15% HCL acid, 114,026# sand. Avg 5600# at 60 BPM. Dropped 3.125" ball. Opened frac port 11,271' with 5606#, pumped 48 bbls 15% HCL acid, 118,874# sand. Avg 5200# at 60 BPM. Dropped 3.250" ball. Opened frac port 11,078' with 5228#, pumped 48 bbls 15% HCL acid, 121,084# sand. Avg 5533# at 60 BPM. Dropped 3.375" ball. Opened frac port 10,884' with 5889#, pumped 48 bbls 15% HCL acid, 85,500# sand in formation. Well screened out to 7100#. Left 34,500# inside casing. Attempted to flow back. Recovered 75 bbls, quit flowing.
3/13/12 – Tagged sand plugs at 6370', 7000', 8000', 10,600' and 10,845'. Washed down to frac port at 10,884' and circulated for 30 min. Flowed well for 1-1/2 hrs. Recovered 283 bbls 1225# on a 23/64" choke.
3/14/12 – Pumped 240 bbls casing cap. Dropped 3.5" ball. Opened frac port 10,695' with 6631#, pumped 48 bbls 15% HCL acid, 115,951# sand. Avg 5780# at 60 BPM. Dropped 3.625" ball. Pressured up to 7200#, did not open. Pressured up to 8200 psi in 1 min. Dropped to 7200#. After fourth attempt started feeding. Frac port 10,501', pumped 48 bbls 15% HCL acid, 116,214# sand. Avg 5690# at 60 BPM. Dropped 3.750" ball. Opened frac port 10,310' wityh 4676#, pumped 48 bbls 15% HCL acid, 111,785# sand. Avg 5210 at 60 BPM. Dropped 3.875" ball. Opened frac port 10,117' with 5174#, pumped 48 bbls 15% HCL acid, screened well out 71,647# into formation, left 21,000# in casing. Flowed well. Recovered 500 bbls. Pumped 220 bbls casing capacity. Dropped 4" ball. Opened frac port 9923' with 7500#, pumped 48 bbls 15% HCL acid, 116,090# sand. Avg 5600# at 60 BPM. Dropped 4.125" ball. Opened frac port 9775' with 5380#, pumped 48 bbls 15% HCL acid, 116,319# sand. Avg 5435# at 60 BPM. Dropped 4.250" ball. Opened frac port 9670' with 5422#, pumped 48 bbls 15% HCL acid, 157,376# sand. Avg 5400# at 61 BPM. ISIP 3503#, 15 min 2990#.
3/15/12 -3/16/12 – Drilled out ports down to 12,240'. Bit stuck. Attempted to pull free. Pressured up with nitrogen to equalize. Surge well. Run out of cycles. Dropped disconnect ball. Disconnect and POOH.
3/21/12 – TIH with 4.5" GR/JB to 8750'. Set ASI-X packer with 2.25" F with blanking plug and 2-7/8" L-80 tubing at 8750'.
3/22/12 – Circulated well with 200 bbls 2% KCL water. Flowed back 200 bbls water with 1% oil cut. Turned well over to production.

Current wellbore schematic, deviation and directional surveys attached. Detailed frac chemicals attached.

Regulatory Reporting Supervisor
March 29, 2012

WELL NAME: Mamba BQN St Com #1 **FIELD**

LOCATION: Unit N, 330' FSL and 1980' FWL (Surf) Sec 30-24S-33E Lea County

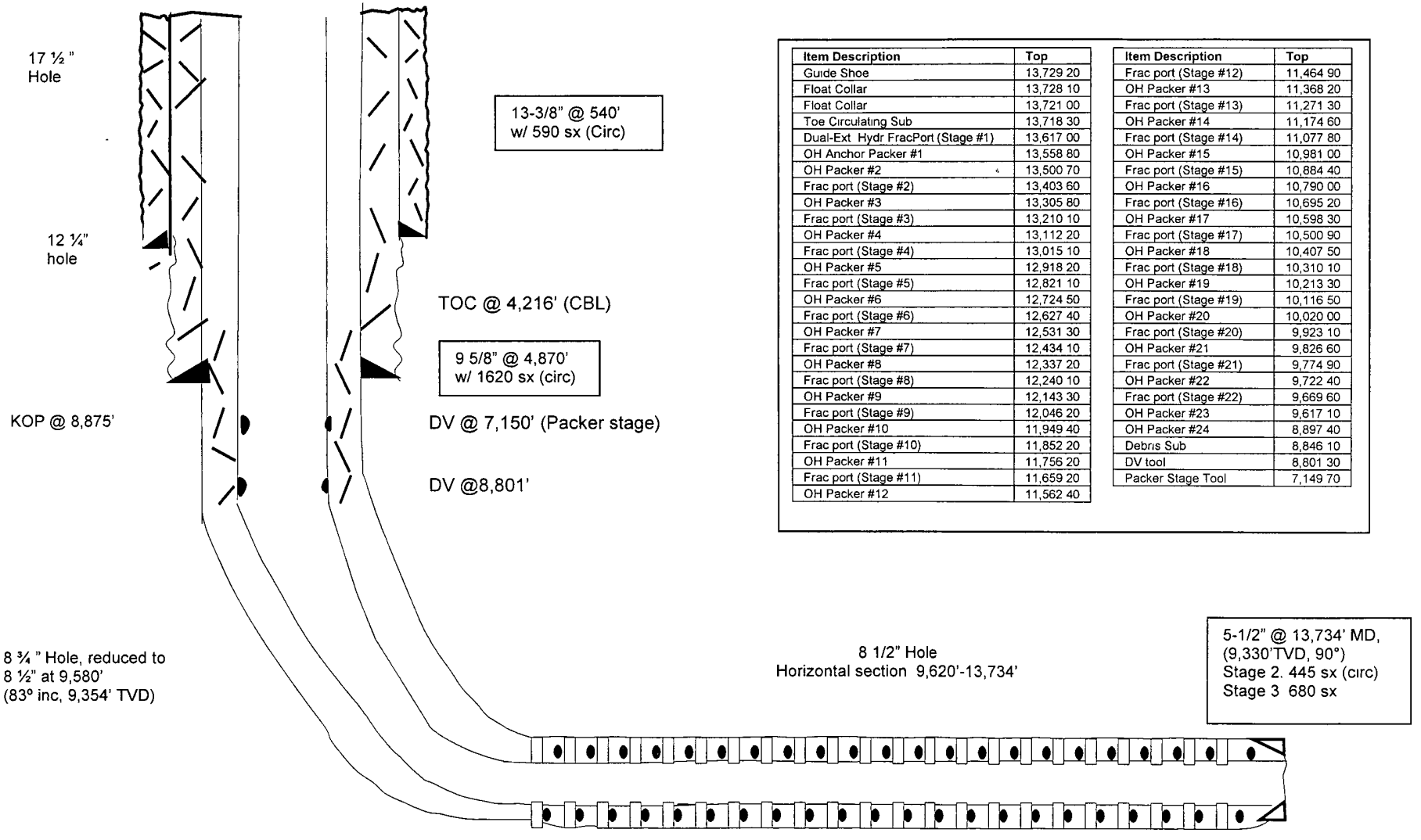
GL: 3,553' **ZERO:** **KB:** 3,334.6'

SPUD DATE: 11/8/11 **COMPLETION DATE:**

COMMENTS: API No.: 30-025-40039

CASING PROGRAM

13-3/8" 48# J-55 ST&C	**540'**
9-5/8" 36# & 40# K-55 & HCK-55 LT&C	**4,870'**
5 ½" 20# L-80 & packers/port assembly	**13,734'**



Item Description	Top
Guide Shoe	13,729 20
Float Collar	13,728 10
Float Collar	13,721 00
Toe Circulating Sub	13,718 30
Dual-Ext Hydr FracPort (Stage #1)	13,617 00
OH Anchor Packer #1	13,558 80
OH Packer #2	13,500 70
Frac port (Stage #2)	13,403 60
OH Packer #3	13,305 80
Frac port (Stage #3)	13,210 10
OH Packer #4	13,112 20
Frac port (Stage #4)	13,015 10
OH Packer #5	12,918 20
Frac port (Stage #5)	12,821 10
OH Packer #6	12,724 50
Frac port (Stage #6)	12,627 40
OH Packer #7	12,531 30
Frac port (Stage #7)	12,434 10
OH Packer #8	12,337 20
Frac port (Stage #8)	12,240 10
OH Packer #9	12,143 30
Frac port (Stage #9)	12,046 20
OH Packer #10	11,949 40
Frac port (Stage #10)	11,852 20
OH Packer #11	11,756 20
Frac port (Stage #11)	11,659 20
OH Packer #12	11,562 40

Item Description	Top
Frac port (Stage #12)	11,464 90
OH Packer #13	11,368 20
Frac port (Stage #13)	11,271 30
OH Packer #14	11,174 60
Frac port (Stage #14)	11,077 80
OH Packer #15	10,981 00
Frac port (Stage #15)	10,884 40
OH Packer #16	10,790 00
Frac port (Stage #16)	10,695 20
OH Packer #17	10,598 30
Frac port (Stage #17)	10,500 90
OH Packer #18	10,407 50
Frac port (Stage #18)	10,310 10
OH Packer #19	10,213 30
Frac port (Stage #19)	10,116 50
OH Packer #20	10,020 00
Frac port (Stage #20)	9,923 10
OH Packer #21	9,826 60
Frac port (Stage #21)	9,774 90
OH Packer #22	9,722 40
Frac port (Stage #22)	9,669 60
OH Packer #23	9,617 10
OH Packer #24	8,897 40
Debris Sub	8,846 10
DV tool	8,801 30
Packer Stage Tool	7,149 70

Not to Scale
12/2/11
MMFH

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date	3/15/2012
State:	New MEXICO
County:	LEA
API Number:	
Operator Name:	s Petroleum Corporation
Well Name and Number:	lamba BQN STATE COM
Longitude:	
Latitude:	
Long/Lat Projection:	
Production Type:	
True Vertical Depth (TVD):	
Total Water Volume (gal)*:	2,704,578

Electronically Submitted to NMOCD on 3-29-12 TH

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
15% HCL, Slick Water, WF125, YF125 Flex	Schlumberger	Base Fluid, Bactericide, Breaker, Chelating Agent, Clay Stabilizer, Corrosion Inhibitor, Crosslinker, Friction Reducer, Gelling Agent, Hydrochloric Acid, Inhibitor Aid, Non-Emulsifying Agent, Reducing Agent, Resin Coated Sand, Sand, Surfactant	Water (Including Mix Water Supplied by Client)			87 68357%	
			Crystalline silica	14808-60-7	79 42196%	9 78195%	
			Hydrochloric Acid	7647-01-0	2 20592%	0 27169%	
			Carbohydrate polymer	Trade Secret	1 62458%	0 20009%	
			Tetramethylammonium chloride	75-57-0	0 78870%	0 09714%	
			Methanol	67-56-1	0 26079%	0 03212%	
			Diammonium peroxidisulphate	7727-54-0	0 23067%	0 02841%	
			Aliphatic polyol	Trade Secret	0 20785%	0 02560%	
			Ammonium mercaptoacetate	5421-46-5	0 13421%	0 01653%	
			Potassium hydroxide	1310-58-3	0 10393%	0 01280%	
			Polyethylene glycol monohexyl ether	31726-34-8	0 10117%	0 01246%	
			Distillates (petroleum), hydrotreated light	Trade Secret	0 07730%	0 00952%	
			Glutaraldehyde	111-30-8	0 07202%	0 00887%	
			Formic acid	64-18-6	0 06983%	0 00860%	
			Heavy aromatic naphtha	64742-94-5	0 05602%	0 00690%	
			Aliphatic acids	Trade Secret	0 05513%	0 00679%	
			Aliphatic alcohols, ethoxylated #1	Trade Secret	0 05513%	0 00679%	
			Oxyalkylated alcohol (2)	Trade Secret	0 02671%	0 00329%	
			Oxyalkylated alkyl alcohol (1)	Trade Secret	0 02671%	0 00329%	
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0 02363%	0 00291%	
			Prop-2-yn-1-ol	107-19-7	0 01835%	0 00226%	
			Quaternary ammonium compound	Trade Secret	0 01340%	0 00165%	
			Oxyalkylated alcohol (1)	Trade Secret	0 01340%	0 00165%	
			Alcohol ethoxylate C-10/16 with 6 5 EO	Trade Secret	0 00966%	0 00119%	
			Naphthalene	91-20-3	0 00430%	0 00053%	
			1,2,4 trimethylbenzene	95-63-6	0 00430%	0 00053%	
			4-nonylphenol, ethoxylated	26027-38-3	0 00211%	0 00026%	
			Sodium hydroxide	1310-73-2	0 00195%	0 00024%	
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0 00041%	0 00005%	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** 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

Report ID RPT-NCM-1781 (Generated on 3/19/2012 3 52 PM)