Section   Comparison   Compa	Submit 1 Copy To Appropriate District Office		f New Me			Form C-10 October 13, 200	
1301 W. Grand Ave., Arrasia, N. M \$210   DECEMBER 1220 South St. Francis Dr. Santa Fe, NM \$7505	District I 1625 N French Dr , Hobbs, NM 88240	Energy, Willieran	is and matu	rai Resources		000000113, 20	
STATE   STAT		OIL CONSER	RVATION	DIVISION		of Lease	
Santa FV, NM 8/905   Santa Fc, NM 8/905   Santa Fc, NM 8/905   Santa Fc, NM 8/905   Santa Fc, NM 8/905   SILNDRY NOTICES AND REPORTS ON WILLS SAND REPORDS ON WILLS BISSOMM FOR PROPOSALS TO BRILLOR FOR DEPENDING \$2,05 BACK TO A DEFERENT RESERVOIR. USE "APPLICATION FOR PERMIT FORM C-101 FOR SUCH PROPOSALS"   Lase Name or Cnit Agreement Name Cassiopela BQD State Com PROPOSALS TO BRILLOR FOR PERMIT FORM C-101 FOR SUCH PROPOSALS TO B					STATE	FEE _	
SUNDRY NOTICES AND REPORTS ON WELLS ON NOT LEST FOR THE REPORTS ON WELLS DEFERENCE AND REPORTS ON WELLS OF APPLICATION FOR PERMIT (POSM C. 10) FOR SCH.  1. Type of Well: Oil Well	District IV 1220 S St Francis Dr, Santa Fe, NM	Santa	Fe, NM 87	505		as Lease No.	
1. Type of Well: Oil Well	SUNDRY NOT (DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPL	DSALS TO DRILL OR TO DE	EEPEN OR PLU DRM C-101) FC	R SUCH			:
2. Name of Operator VATES PETROLEUM CORPORATION 3. Address of Operator 10. South Founds Suret, Arresia, New Mexico  NMOCD ARTESIA  Well Location Unit Letter B 200 feet from the North line and 2130 feet from the East line Section 25 Township 26 South Range 27 East NMPM Eddy County  11. Elevation (Show whether DR, RKB, RT, GR, etc. 3095' GR  12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data  NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK PLUG AND ABANDON CHANGE PLANS DOWNHOLE COMMENCE ORILLING OPNS. PAND A CASING CEMENT JOB OTHER:  OTHER: Change penetration point, TD, etc.  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.  Measured depth is to be 11,354' with 5.5" casing set and cemented back to approximately 1700'. Penetration point of the producing Zone will be 373' FSL & 2130' FEL, Section 24-T268-R27E. The kick off point will be 5877'.  Spud Date: Rig Release Date:  TITLE Land Regulatory Agent DATE August 30, 2010  Type or print name Ciffon May E-mail address: cliff@ Yatespetroleum.com PHONE: 575-748-4347  APPROVED BY: TITLE Land Regulatory Agent DATE August 30, 2010  TITLE CLIGATED TO THE AUGUST APPROVED BY: TITLE DATE AUGUST APPROVED BY: TITLE CLIGATED TO THE AUGUST APPROVED BY: TITLE DATE		Gas Well  Other	REC	EIVED	8. Well Number	001H	
105 South Fourth Street, Artesia, New Mexico	2. Name of Operator YATES PETROLEUM CORPOR	ATION	.SEP	1 2010	025575		
4. Well Location Unit Letter B 200 feet from the North line and 2130 feet from the East line Section 25 Township 26 South Range 27 East NMPM Eddy County  11. Elevation (Show whether DR. RKB, RT, GR, etc. 3095' GR  12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK PLUG AND BANDON SAND BANDON CHANGE PLANS COMMENCE PRILLING OPNS. PAND A CASING MULTIPLE COMPL. COMMENCE DRILLING OPNS. PAND A CASING/CEMENT JOB  OTHER: Change penetration point, TD. etc.  313. Describe proposed or completed operations. (Clearly state all pertinent details, and gave 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.  Measured depth is to be 11,354" with 5.5" casing set and cemented back to approximately 1700". Penetration point of the producing Zone will be 373' FSL & 2130' FEL, Section 24-T26S-R27E. The kick off point will be 5877'.  Signature Clifton May Figure Phone For State Use Only  Type or print name Clifton May E-mail address: cliff@ Yatespetroleum.com PHONE: 575.748-4347 For State Use Only  APPROVED BY: TITLE CLOWART DATE 15.12010		New Mexico	NMOCI	ARTESIA	[		
Unit Letter B : 200feet from theNorthline and2130feet from theEastline		- INCAPED			Truy Trono w Bors		
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data  NOTICE OF INTENTION TO:  PERFORM REMEDIAL WORK   PLUG AND ABANDON   CHANGE PLANS   COMMENCE DEBLLING OPNS   PAND A CASING, CEMENT JOB   PAND A CA	ļ.	_:200feet from	theNortl	n line and _		rom theEastlin	ie
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data  NOTICE OF INTENTION TO:  PERFORM REMEDIAL WORK  PLUG AND ABANDON  CHANGE PLANS  ALTERING CASING  LITEMPORARILY ABANDON  MULTIPLE COMPL.  COMMENCE DRILLING OPNS  PAND A CASING/CEMENT JOB    OTHER: Change penetration point, TD, etc.  OTHER:  OTHER:  Signature of Starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.  Measured depth is to be 11,354' with 5.5' casing set and cemented back to approximately 1700'. Penetration point of the producing Zone will be 373' FSL & 2130' FEL, Section 24-T26S-R27E. The kick off point will be 5877'.  Rig Release Date:  National Right Start St	Section 25					Eddy County	Section(S <sub>1,2</sub> )
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data  NOTICE OF INTENTION TO:  PERFORM REMEDIAL WORK   PLUG AND ABANDON   CHANGE PLANS   COMMENCE DRILLING OPNS   PAND A    PULL OR ALTER CASING   MULTIPLE COMPL   CASING/CEMENT JOB   CASING/CEMENT JOB    OTHER: Change penetration point, TD, etc.   OTHER:   OTHER: Completions: Attach wellibore diagram of proposed 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 wellibore diagram of proposed completion or recompletion.  Measured depth is to be 11,354' with 5.5" casing set and cemented back to approximately 1700'. Penetration point of the producing Zone will be 373' FSL & 2130' FEL, Section 24-T26S-R27E. The kick off point will be 5877'.  Spud Date: Rig Release Date:   Rig Release Date:   Rig Release Date:   DATE August 30, 2010   Thereby certify that the information above is true and complete to the best of my knowledge and belief.  SIGNATURE		GE AT THE PARTY OF	whether DR,	RKB, RT, GR, etc	C.	The second second	
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PULL OR ALTER CASING	PERFORM REMEDIAL WORK	PLUG AND ABANDO		REMEDIAL WO	RK 📗	ALTERING CASING	
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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						point of the producing	
I hereby certify that the information above is true and complete to the best of my knowledge and belief.  SIGNATURE	Zone will be 373 TBE & 2130 TE	L, Section 24-1203-R27	L. THE KICK	on point win be	3077.		
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APPROVED BY: DATE 9/5/2010	SIGNATURE Clifty Y	May TI	TLELan	d Regulatory Age	ntDA7	TE_August 30, 2010	
APPROVED BY: DATE 9/5/2010	Type or print name Clifton Me	<b>→</b> av F₋m	nail addrecc	cliff@ Vatesnets	oleum com PHO	NE: 575-748-4347	
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	APPROVED BY: Conditions of Approval (1f any)	cgui de Tr	TLE	Czedogir	<u>D</u>	ATE9/5/2010	

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy, Minerals and Natural Resources Departs

menRECEIVED ON Submit one copy

October 15, 2009

Form C-102

District Office

OIL CONSERVATION DIVISIONEP 1 2010

1220 South St. Francis Dr. Santa Fe, New Mexico 87505

NMOCD ARTESIA

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name			
30-015-38082	30215	Hay Hallow; Bone Spring			
Property Code	Pr	operty Name	Well Number		
	CASSIOPEIA	"BQD" STATE COM	1H		
OGRID No.	Ор	erator Name	Elevation		
025575	YATES PE	PETROLEUM CORP. 3095'			

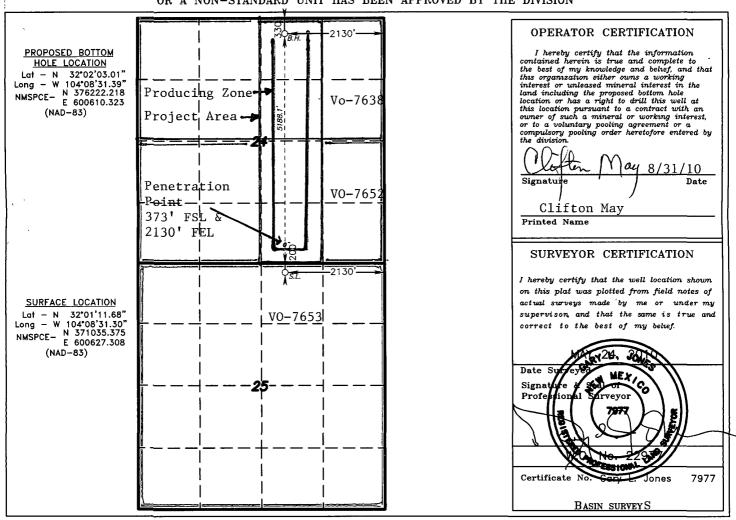
### Surface Location

1	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	. В	25	26 S	27 E		200	NORTH	2130	EAST	EDDY

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	24	26 S	27 E		330	NORTH	2130	EAST	EDDY
Dedicated Acres   Joint or Infill   Consolidation Code					der No.			-	
160									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



# **Contingency Casing Design**

If hole conditions dictate, 7" casing will be set at 6,800'. A 6 1/8" hole will then be drilled to 11,354' MD (6,450' TVD) where 4 1/2" casing will be set and cemented with one stage up to dv tool. After completion procedures, the 4 1/2" casing will be cut and pulled at 5800'.

### 2nd Intermediate

	<b>0</b> ft to	<b>6,800</b> ft	Make up Torque	e ft-lbs	Total ft =	6,800
OD	Weight	Grade Threads	opt min	mx.		
7 inches	26 #/ft	J-55 LT&C	3670 2750	4590	1	
Collapse Resistance	Internal Yield	Joint Strength	Body Yıeld	Drift	1	
<b>4,320</b> psi	<b>4,980</b> psi	<b>367</b> ,000 #	<b>415</b> ,000 #	6.151	J	

DV tool placed at 5500'.

Stage I. 6800'-5500 Cemented w/275sx PVL (YLD 1 41 Wt 13) TOC= 5500'

Stage II: 5500'-1700 Cemented w/565sx Lite Crete (YLD 2 66 Wt 9 9), tail w/100sx PVL (YLD 1.41 Wt 13) TOC= 1700'

### Production

	<b>0</b> ft to	<b>11,354</b> ft	Make up Torque	ft-lbs	Total ft =	11,354
O.D	Weight	Grade Threads	opt. min	mx		
<b>4.5</b> inches	11.6 #/ft	HCP-110 LT&C	3020 2270	3780		
Collapse Resistance	Internal Yield	Joint Strength	Body Yield	Drift	}	
<b>8,650</b> psi	<b>10,690</b> psi	<b>279</b> ,000 #	<b>367</b> ,000 #	3.875		

DV tool placed at approx 5800' and cemented with one stage up to dv tool After completion procedures, the

4 1/2" casing will be cut and pulled at 5800'.

Cemented w/750sx PVL (YLD 1.41 Wt 13) TOC= 5800'

Co: Yates Petroleum Corporation	Units: Feet, °, 9100ft	VS Az: 0.00	Tgt TVD: 6450.00
Drillers: 0	Elevation:	Tgt Radius: 0.00	Tgt MD: 0.00
Well Name: Cassiopeia BQD State Com. #1H	Northing:	Tgt N/S: 5150.00	Tgt Displ.: 0.00
Location: 0	Easting:	Tgt E/W: 0.00	Method: Minimum Curvature

No. MD CL	🚛 Inc. 🕒 Azi.	TVD	VS +N/S		BR.	WR	DLS Comments
0.00	0.00	0.00	0.00	0.00		TAXLL.	
1 670.00 670.00	0.00 0.00	670.00	0.00	0.00	0.00	0.00	0.00 Castille
2 2100.00 1430.00	0.00 0.00	2100.00	0.00 - 0.00	0.00	0.00	0.00	0.00 Base of Salt
3 2350.00 250.00	0.00 0.00	2350.00	0.00	0.00	0.00	0.00	0.00 Delaware
4 3200.00 850.00	0.00 0.00	3200.00	0.00	0.00	- 0.00	0.00	0.00 Cherry Canyon
5 4450.00 1250.00	0.00 0.00	4450.00	0.00	0.00	0.00	0.00	0.00 Brushy Canyon
6 5877:04 5877.04	0.00 0.00	5877.04	0.01	0.00	0.00	0.00	0.00 KOP
7 5900.00 22.96	2.30 0.00	5899.99 (	0.46	0.00	10.00	0.00	10.00
8 5950.20 73.16	7.32 0.00	5950.01	1.67 4.67	0.00	10.00 %	0.00	10.00 Bone Springs
9 6000.00 49.80	12.30 0.00	5999.06 13	3.15 13.15	0.00	10.00	0.00	10.00
10 6100.00 100.00	22.30 0.00	6094.42 42	2.84 42.84	0.00	10.00	0.00	10.00
11 6200.00 100.00	32.30 0.00	6183.17 88	3.64 88.64	0.00	10.00	0.00	10.00
12 6300.00 100.00	42.30 0.00	6262.62 149	9.16 149.16	0.00	10.00	0.00	10.00
13 6400.00 100.00	52.30 0.00	6330.35 222	2.55 222.55	0.00	10.00	0.00	10.00
14 6500.00 100.00	62:30 0.00	6384.32 300	306.59	0.00	10.00	- 0.00	10.00
15 6600.00 100.00	72.30 0.00	6422.86 398	398.72	0.00	10.00	0.00	10.00
16 6700.00 100.00	82.30 . 0.00	6444.83 496	3.15 496.15	0.00	10.00	0.00	10.00
17 6777.04 900.00	90.00 0.00	6450.00 572	2.96 572.96	0.00	10.00	0.00	10.00 Avalon Shale Target
18 11354.09 4577.04	90.00 - 0.00	6450.01 5150	0.01 5150.01	0.00	0.00	0.00	0 00 Lateral ID

