District I 1625 N French Dr , Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV

PREVIOUSLY APPROVED

•.. ?

State of New Mexico Energy Minerals and Natural Resources

Form C-101 May 27, 2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505



Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE Compute Name and Address OCT 1 2007 12007	APPI					TO DI		RE-ENT			N. PLUGBA	CK. OR	ADI	D A ZONE	
**Proporty Code 34364					Operator Name	and Addre	ess					² OGRID N 0255	Number 75		
Proposed Pool Wildcat Precambrian Pet Humble Pet	Artesia, New Mexico 88210)-ART	ESIA	30 -	12 (102					
Variety Vari	³ Property Code 34364							perty Name Creek BFI St	ate		***************************************		° Well 9	No.	
Ut. or loc no M 30 48 28 28 20 48 660 500 600 600 West Charves					•	1					¹⁰ Prop	osed Pool 2			
Note							⁷ Surf	face Loca	tion		<u></u>				
County		1		ship		1			1			1 -			
Additional Well Information Work Type Code World Type Code CabbeRoury CabbeRoury Compared to the State of CabbeRoury CabbeR					⁸ Propos	ed Botte	om Hole l	Location If	Differen	nt From	Surface				
"Work Type Code N G G G G G G G G G G G G G G G G G G	UL or lot no.	Section	Towns	ship	Range	Lot	Idn	Feet from the	North/S	South line	Feet from the	East/West	line	County	
N G S 3939'			1			Ad	lditional	Well Inf	ormati	on		·			
Depth to Groundwater Less than 50' Distance from nearest fresh water well More than 1000' M					-	e	1	3 Cable/Rotary					15 Grou		
Liner: Synthetic XX 12 mils thick Clay Pit Volume bbls Drilling Method: Fresh Water Brine Diesel/Oil-based Gas/Air	1	-				h	Undesig		mbrian	N			2		
Proposed Casing and Cement Program Sacks of Cement Estimated TOC	Depth to Grou		an 50'			Distanc									
Proposed Casing and Cement Program	<u>Pit</u> Lir	ner: Synthe	tic XX	12_m	ıls thick Clay	Pıt V	olume	bbls	obls Drilling Method:						
Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 14.75 11.75 42# 900' 600 sx 0 11 8.625 24# 1600' 550 sx 0 7.875 5.5 15.5# 5435' 650 sx 3* Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary Yates Petroleum Corporation proposes to drill and test the Precambrian and intermediate formations. Approximately 900' of surface casing will be set and cement circulated to shut off gravel and cavings. The 8.625" intermediate casing will only be set if lost circulation is encountered. If commercial, production casing will be run and cemented, will perforate and stimulate as needed for production is encountered. If commercial, production casing will be run and cemented, will perforate and stimulate as needed for production is encountered. If commercial, production casing will be run and cemented, will perforate and stimulate as needed for production. MILD PROGRAM: 0-900' FW Gel/Paper/LCM; 900'-1600' Cut Brine; 1600'-3500' Brine; 3500'-5435' Starch/Salt Gel/4-6% KCL. BOPE PROGRAM: a 2000# BOPE will be installed on the 8 5/8" casing and tested daily for operational. Sources at Yates Petroleum Corporation have relayed information to meet the OCD's minimum requirements for the submission of a contingency plan per Rule 118. 11 Intervention of a contingency plan per Rule DISTRICT IT GEOLOGIST Title: Printed name: Debbe L Caffall Title: Amenual December 1 5 2006 Franization, Date: OCT 1 5 2008 Title Total Total Process Title Total Total Process Title Total Total Printed name. Printed name: Debbe L Caffall Title: Process of Total Total Process Total Total Total Process Total Total Total Total Total Title: Printed name:	Close	ed-Loop Sys	stem _]	21							Diesel/Oil-bas	sed 🗌	Gas/Aır	
14.75 11.75 42# 900' 600 sx 0 7.875 15.5 15.5# 1600' 550 sx 0 7.875 5.5 15.5# 5435' 650 sx 2** Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary Yates Petroleum Corporation proposes to drill and test the Precambrian and intermediate formations. Approximately 900' of surface casing will be set and cement circulated to shut off gravel and cavings. The 8.625" intermediate casing will only be set if lost circulation is encountered. If commercial, production casing will be run and cemented, will perforate and stimulate as needed for production. MUD PROGRAM: -900' FW GP/Paper/LCM; 900'-1600'-3200' Cut Brine; 1600'-3500' Brine; 3500'-3450' StarchSat's GelV4-6% KCL. **BOPE PROGRAM: a 2000# BOPE will be installed on the 8 5/8" casing and tested daily for operational. Sources at Yates Petroleum Corporation have relayed information one that they believe there will not be enough H2S found from the surface through the Precambrian formation to meet the OCD's minimum requirements for the submission of a contingency plan per Rule 118. **Printed name* Debbie L Caffall** Title: **OIL CONSERVATION DIVISION* **Approved by:** **BRYAN G. ARRANT** **DISTRICT II GEOLOGIST** Title: **OCT 1 5 2008* **NOTIFY OCD OF SPUD & TIME TO WITNESS** **Time To WITNESS**			r			Propos	sed Casi	ng and C	ement	Progra	<u>m</u>				
11 8.625 2.4# 1600' 550 sx 0 7.875 5.5 15.5# 5435' 650 sx 0 22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary Yates Petroleum Corporation proposes to drill and test the Precambrian and intermediate formations. Approximately 900' of surface casing will be set and cement circulated to shut off gravel and cavings. The 8.625" intermediate casing will only be set if lost circulation is encountered. If commercial, production casing will be run and cemented, will perforate and stimulate as needed for production. MUD PROGRAM: 0-900' FW Gel/Paper/LCM; 900'-1600' Cut Brine; 1600'-3500' Brine; 3500'-5435' Starch/Salt Gel/4-6% KCL. BOPE PROGRAM: a 2000# BOPE will be installed on the 8 5/8" casing and tested daily for operational. Sources at Yates Petroleum Corporation have relayed information to me that they believe there will not be enough H2S found from the surface through the Precambrian formation to meet the OCD's minimum requirements for the submission of a contingency plan per Rule 18. 19 Thereby certify that the information given above is true and complete to the best of my Goveledge and belief. I further certify that the drilling pit will be constructed according to NMOD guidelines, a general permit, or an (attached alternality OCD-approved plan). Signature 10 IL CONSERVATION DIVISION Approved by: BRYAN G. ARRANT DISTRICT II GEOLOGIST Title: Regulatory Agent E-mail Address NOTIFY OCD OF SPUD & TIME TO WITNESS								ot							
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best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines , a general permit , or an (attached alternative OCD-approved plate	casing will is encounted MUD PROBOPE PR Sources at surface through	be set an ered. If concern of the co	d ceme ommero : 0-900 <u>I</u> : a 20 troleum Precam	ent ci cial, 0' FV 00# n Co nbria	irculated to shup roduction can be Gel/Paper/L BOPE will be rporation have n formation to	of off grasing will CM; 90 installed relayed meet the	avel and c be run ar 0'-1600' d on the 8 informati e OCD's	cavings. The demente Cut Brine; 5/8" casin ion to me the minimum r	ne 8.625 d, will p 1600'-3 g and tes nat they	" intermore inte	ediate casing wi and stimulate as ine; 3500'-5435 y for operationa there will not be	ll only be s needed fo 'Starch/S l. enough H	set if I or prod alt Ge	ost circulation duction. 1/4-6% KCL.	
Constructed according to NMOCD guidelines , a general permit , or an (attached alternative OCD-approved plan BRYAN G. ARRANT Signature Printed name: Debbie L Caffall Title: Color of Spude E-mail Address Date: 10/11/07 Phone. (505) 748-4376 Approved by: BRYAN G. ARRANT DISTRICT II GEOLOGIST Fxniration, Date: OCT 1 5 2008 Time TO WITNESS										OILC	CONSERVA	TION DI	VISI	ON	
Printed name: Debbie L Caffall Title: Regulatory Agent E-mail Address Date: 10/11/07 Phone. (505) 748-4376 Title: DISTRICT II GEOLOGIST Expiration, Date: OCT 1 5 2008 Fyniration, Date: OCT 1 5 2008 TIME TO WITNESS	constructed according to NMOCD guidelines , a general permit ,								Approved by:						
Title. Regulatory Agent E-mail Address Date: 10/11/07 Phone. (505) 748-4376 Title Regulatory Agent Fxpiration, Date: 0CT 1 5 2008 Fxpiration, Date: 0CT 1 5 2008 TIME TO WITNESS	Stonaulie 10 000001 C									DISTRICT	II GEOI		ST		
E-mail Address NOTIFY OCD OF SPUD & TIME TO WITNESS					00					CT 1	5 200 2				
Date: 10/11/07 Phone. (505) 748-4376 TIME TO WITNESS	<u> </u>					· · · ·					- 1- 1- 1-	expiration, $\overline{\mathbf{D}}$	ate:	OCT 1 5 2008	
CEMENTING OF SURFACE &					Phone. (505)	748-4376	5 .	TIME '	ro wi	TNES	8				

INTERMEDIATE CASING

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u>

1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number				² Pool Code		³ Pool Name				
			197	458	7 フー		Wildcat Preca	mbrian		
⁴ Property C	Code			A	⁵ Property Na	me		6 W	ell Number	
34364				WI	ILLOW CREEK I	BFI STATE		9		
⁷ OGRID I	No.				8 Operator Na	me		9	Elevation	
025575	;			YATES	PETROLEUM C	ORPORATION			3939'	
					¹⁰ Surface L	ocation				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
M	30	48	25E		660	SOUTH	660	WEST	CHAVES	
			¹¹ Bot	ttom 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	
¹² Dedicated Acres 312.72 – W/2	¹³ Joint or	r Infill 14 Co	onsolidation C	ode 15 Orde	er No.	<u>L</u>				

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.

LG-155 I hereby cerufy that the information contained herein is true and complet to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this	1.	iner.	
to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working the proposed bottom problems agreement or a compulsory pooling order the professor emered by the division 10/11/07		1	¹⁷ OPERATOR CERTIFICATION
owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofpre entered by the division 10/11/07		1	1 3
owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order interest for the division 10/11/07	LG-155		to the best of my knowledge and belief, and that this organization either
location pursuant to a contract with an owner of such a mineral or works. Therest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division 10/11/07	10 100	ă.	owns a working interest or unleased mineral interest in the land including
order heretofore entered by the division 10/11/07		3)	the proposed bottom hole location or has a right to drill this well at this
order hereuosore entered by the division		\$	location pursuant to a contract with an owner of such a mineral or working
Millias. Casho 10/11/07			nuterest, or to a voluntary pooling agreement or a compulsory pooling
Will was carried			order heratofore entered by the division
			Will Called Called
Debbie Caffall Printed Name		No. of Contrast of	
Regulatory Agent Title		1982 A 2000 A 20	
		The state of the s	10
18SURVEYOR CERTIFICATION I hereby certify that the well location shown on this			
12 I II			
plat was plotted from field notes of actual surveys			
made by me or under my supervision, and that the			made by me or under my supervision, and that the
same is true and correct to the best of my belief.			same is true and correct to the best of my belief.
Date of Survey			 Date of Survey
Signature and Seal of Professional Surveyor.			1
			,
REFER TO ORIGINAL PLAT			REFER TO ORIGINAL PLAT
660'	660'		
	6		
Certificate Number			Certificate Number
NAME OF THE PERSON OF THE PERS	THE RESIDENCE THE PROPERTY OF		

MSTRICT I
1625 N. French Dr., Hobbs, NM 68240
DISTRICT II
811 South Ffrst, Artesia, NM 68210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 67410
DISTRICT IV
2040 South Pacheco, Santa Fe, NM 67505

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999 Instruction on back Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name Wildcat Precambrian
Property Code	Property WILLOW CREEK	}
OGRID No.	Operator	Name Elevation
025575	YATES PETROLEUR	CORPORATION 3939

Surface Location

UL or lot No.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
м	30	4 S	25E		660	SOUTH	660	WEST	CHAVES

Bottom Hole Location If Different From Surface

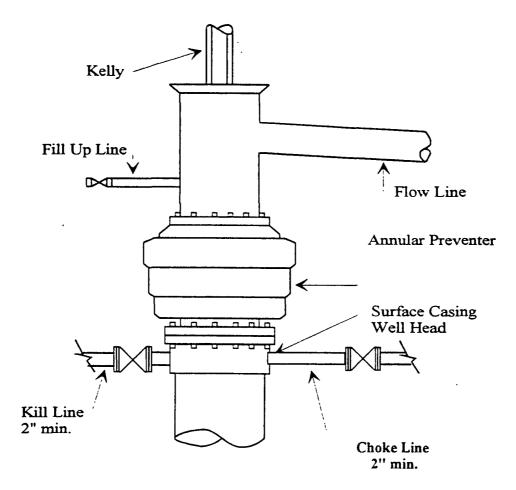
UL or lot No.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infill C	onsolidation	Code Or	der No.				
312.72									

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

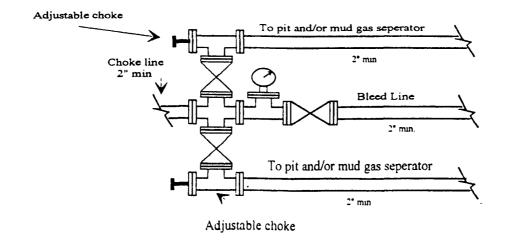
LG-155		OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
38.1		Signature Robert Asher
		Printed Name Regulatory Agent Title 10/19/2004 Date
38.16		SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my
38.2		supervison, and that the same is true and correct to the best of my belief. 9/06/2004 Date Surveyed
660'	N.33*55'29.5" W.104*21'51.1" N.1063990.5 E.490794.1	Signatura Fall Seal of Professional Surveyor (1) MEXICO (1) MEXI



Typical low Pressure System
Schematic
Annular Preventer 2,000 psi



Typical 2,000 psi choke manifold assembly with at least these minimun features



Permit Comments

Operator: YATES PETROLEUM CORPORATION, 25575

Well: WILLOW CREEK BFI STATE #009

User Name	30-005-63 992 Comment	Commen Date
DCAFFALL :	Sources at YPC have relayed information to me that they believe there will not be enough H2S found from the surface to the Precambrian formation to meet the OCD's minimum requirements for the submission of a contingency plan per Rule 118	10/19/2004
DCAFFALL	The State Engineers Web Site has been accessed for the captioned well. Depth to ground water: 31 feet (well is located in Section 19, T4S-R25E); distance from nearest fresh water well: 7,850 feet (well is located in Section 19, T4S-R25E); distance to nearest surface water, 7,850' (livestock watering tank, Section 19, T4S-R25E).	10/19/2004
DCAFFALL :	Any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines with approved general permit on file.	10/19/2

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State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

RECEIVEL

Form C-144

March 12, 2004

Pit or Below-Grade Tank Registration or Closure

SEP 2 3 2005

Is pit or below-grade tank covered		ral plan"? Yes type of action: Registration e of a pit or below-grade tank	of a pit or below-grade tank 図CU=AFITEQ
Operator: Yates Petroleum Corporation	Telephone: 5	505-748-4376 e-mail address. <u>debbiec@ypcnm</u>	n.com
Address: _105 South Fourth Street, Artesia, NM 88210		63992	
Address: 105 South Fourth Street, Artesia, NM 88210 Facility or well name: Willow Creek BFI State #9	_API#: 30- 0	U/L or Qtr/Qtr_M_Sec_30	T_4S R_25E
			Owner: Federal State Private Indian
Pit		Below-grade tank	
Type: Drilling \(\subseteq \text{Production} \(\subseteq \text{Disposal} \subseteq \)		Volume:bbl Type of fluid	
Workover		Construction material.	
Lined 🖾 Unlined 🗌		Double-walled, with leak detection? Yes If r	not, explain why not.
Liner type: Synthetic Thickness 20 mil Clay Volu	ıme		
		Less than 50 feet	(20 points)
Depth to ground water (vertical distance from bottom of pit to s	seasonal high	50 feet or more, but less than 100 feet	(10 points)
water elevation of ground water.)		100 feet or more	(0 points)
Wellhead protection area. (Less than 200 feet from a private do	omestic	Yes	(20 points)
water source, or less than 1000 feet from all other water sources		No	(0 points)
Distance to surface under Champaral distance to 11 males de	1	Less than 200 feet	(20 points)
Distance to surface water. (horizontal distance to all wetlands,	• • •	200 feet or more, but less than 1000 feet	(10 points)
irrigation canals, ditches, and perennial and ephemeral waterco	urses.)	1000 feet or more	(0 points)
		Ranking Score (Total Points)	20 Points
If this is a pit closure: (1) attach a diagram of the facility sho	owing the pit's	relationship to other equipment and tanks. (2) Indi	cate disposal location:
onsite offsite from If offsite, name of facility		. (3) Attach a general description of remedial an	ction taken including remediation start date and end
date. (4) Groundwater encountered: No 🗌 Yes 🗎 If yes, sh	now depth belo	w ground surface ft. and attach sam	ple results. (5) Attach soil sample results and a
diagram of sample locations and excavations.			
I hereby certify that the information above is true and complete been/will be constructed or closed according to NMOCD gu Date: September 25, 2005	to the best of a	my knowledge and belief. I further certify that the general permit , or an (attached) alternative (ne above-described pit or below-grade tank has OCD-approved plan .
Printed Name/Title Debbie L. Caffall/Regulatory Technicia	n	Signature Nathana 3-	alla
Your certification and NMOCD approval of this application/clc otherwise endanger public health or the environment. Nor does regulations.	osure does not a s it relieve the c	relieve the operator of liability should the contents operator of its responsibility for compliance with an	of the tank contaminate ground water or ny other federal, state, or local laws and/or
Approval: Date: 9/22/05 Printed Name/Title Mike Arathar Des	ET.	Signature Mile Genzum	
As a condition of	approval	, a	f approval if during
closure plan must		As a condition of	f approval, if during
and approved pri		pit construction v	water is water seeps in pits
commencement o			the OCD MUST
procedures.			ED IMMEDIATEY!

Permit Conditions Of Approval C-101, Permit 1918

Operator: YATES PETROLEUM CORPORATION, 25575

Well: WILLOW CREEK BFI STATE #009

OCD Reviewer	Condition
VBARTON	As a condition of approval if during construction water is encountered or if water seeps in pits after construction the OCD must be contacted immediately
VBARTON	As a condition of approval a detailed closure plan must be filed before closure may commence
BARRANT	Cement to cover all oil, water and gas bearing zones
BARRANT	Notify OCD time of spud and time to witness the cementing of the surface casing