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

NOTIFY OCD OF SPUD & TIME **E TO WITNESS CEMENTING OF** SURFACE CASING

Form C-101 May 27, 2004

Submit to appropriate District Office

1220 South St. Francis Dr.

ULI 11 2007

1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa							Fe, NN	M 875	05	OCD-	ARTE		AIVI	IENDED REPORT	
APPL	ICATI	ON F	OR	PERMIT Operator Name	TO D	RILL,	, RE-F	ENTE	R, D	EEPE!	N, PLU	GBA			D A ZONE
			Para	allel Petrol	leum C	orp.							² OGRID N		'
1004 N. Big Spring Street, Suite 400, Midland, T											859				
Property Code Paris Draw State								Vame Unit 1	624-	17				° Well	No.
UNKE	5.		9 Pr	roposed Pool 1								10 Propc	osed Pool 2		
CeTTONL	ع موور	lea 1			, we	ST						·			
			<i></i>		\ 	⁷ Su	ırface I	Location	on						
UL or lot no	Section 17	Townsh 16S		Range 24E	Lot I	Idn	Feet from		_	outh line	Feet from 213		East/West E	line	County Eddy
				8 Propo	sed Botto	om Hole	e Locati	ion If D	ifferen	nt From	Surface				
UL or lot no M	Section 17	Townsh 16S		Range 24E	Lot I		Feet from	m the		outh line	Feet from 660		East/West W	line	County Eddy
		100		<u>ئىد ا ئىد</u>	Ac	ditiona					000		***		Lauy
	Type Code			O & G			13 Cable/	/Rotary			Lease Type (Code			nd Level Elevation 3660°
	lultiple	+		17 Proposed Dept	th		R 18 Form	nation			P Contracto	or	-	20 Spud Date	
	No		<u>8668</u>	8MD,4435			Wolfe				. NA				NA
Depth to Grou					1	e from nea			ell 500	00 '	Distai	nce from	nearest sur	face wa	ter 1200'
	-			s thick Clay [Pit V	olume:25,	,000 bbls	3		Drilling 1					
Close	ed-Loop Sys	tem 📙		21			. 				Brine	Dies	sel/Oil-base	:d 🔲 (Gas/Air 🗌
					Propos	sed Cas	sing ar	nd Cer	nent I	Progra	m T				
Hole S		 '	Casing			g weight/fo	foot	Se	tting De		+-	s of Cen	nent	E	Estimated TOC
11' 7-7/8		 	8-5, 5-1	/2"		24# 17#		ТТ	<u>1500' / o<i>cc</i></u> FVD 4435'		4	325 NA			Surface Tie back
1-1/0)	 	J-1/	12		1/#			MD 8668'			1177			To surface
									D 00.	<u> </u>	 				casing
				his application i am, if any. Use					the data	a on the p	resent produ	ctive zo	ne and prop	osed ne	ew productive zone.
Well to be	Drilled a	as a Ho	<u>rizon</u>	ıtal Wolfcan	np test.	The att	ached o	drilling						<u>contai</u>	ns details on the
				well as the di											t a ponta
2. Drill	11" surf	face hol	le to :	a minimum	denth o	of 1 <i>5</i> 00°.	Set 8	5/8"ca	asing a	and cem	ent.				d test BOP's.
3. Drill	7 7/8" pi	roducti	ion h	iole 5000' Tl	D and e	valuate	runnir	ng mud	l logs a	as well:	as DLL/C				
4. Set K	kickoff p	oint at	3986	5' and drill a	and adv	ance ho	ole to a	Wolfe	amp p	enetrat	ion point				
				and continue ement back 1								e as ne	ecessary ((sneci	fic procedure to
be de	etermine	d).					Ü		•		Julium	, 46 11-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(spec.	ne procedure to
				2S is anticip d common r							1624-16	#9.			
²³ l hereby cer	rtify that the	e informa	ation g	given above is tr	rue and co	mplete to	the						ION DI	VISIO	ON
best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines X, a general permit , or an															
(attached) alternative OCD-approved plan .									_	B	RYAI	Ÿ G. AF	<u> (RAI</u>	VI	
Printed name:	Deane	Durh	ıam	Vea	e la	kun		Title:			D	ISTR	ICT II (GEO	LOGIST 2008
Title; Drilling	Engineer							Approva	al Date	OCT 1	5 2007	Ex	piration Da	ıte:	ant Toroca
E-mail Addres	ss: ddurha	am@plll.c	com												
Date: 10-8-07	7			Phone: 4.32-	-684-1	3727		Conditic	ons of A	nnroval A	ttached				

N.
DISTRICT I
1825 N. French Dr., Hobbs, NM 88240

DISTRICT II 1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

□ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	UNDES.		
	75260	Cellenwood	CREEK WOLF	AMP, West
Property Code	Prop	erty Name		Well Number
	PARIS DRAW S	10		
OGRID No.	Орег	ator Name		Elevation
	PARALLEL PETRO	LEUM CORPORAT	ION	3660'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Р	17	16 S	24 E		760	SOUTH	213	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
M	17	16 S	24 E		760	SOUTH	660	WEST	EDDY
Dedicated Acres Joint or Infill Consolidation Code			Code Or	der No.			<u> </u>		
320	İ								

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

					· · · · · · · · · · · · · · · · · · ·
Transverse Mer. Mexico Coordin. North America hereon are me		orm to the "New exico East Zone, Distances shown	Penetration Point	Surface Location	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interests the land including the proposed bottom hale location in the a right to drill this well of this location pursuant to a contract with an owner of such a mineral or working interest, or to a working pooling agreement or a compulsory pooling order heretofore entered by the division. **Description** **Descri
Plane Coordi X = 454,061 Y = 697,61: <u>Geodetic Coor</u> Lat. 32'55'02 Long. 104'37'0: (NAD '27)	0.6 2.4 <u>dingte</u> .35" N 2.02" W		Plane Coordinate X = 458,041.2 Y = 697,617.1 Geodetic Coordinate Lat. 32°55'02.50" N Long. 104'36'15.32" W (NAD '27) Project	Plane Coordinate X = 458,488.1 Y = 697,617.7 Geodetic Coordinate Lat. 32*55'02.52" N Long. 104*36'10.08" W (NAD '27)	Printed Name SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of
	Proc	lucing Area	Area		September 17, 2007 Date of Survey Signature & Seal of Professional Surveyor
,097 (BHI	.)	S 89'55'57" \	W — 3981.6'	(PP) (SL) ,092 (PP) ,092 (W.O. Num 2007-0927 Certificate No. MAÇON MAÇONALD 12185

							•			
11	PET	AR	AL UM CORI		- .	IRVEY (CALCUL	ATION	I PROGI	RAM
OPER	ATOR:			etroleum (on	Superviso	rs:		1
WELL: Paris Draw State Unit								···		1
LOCA	TION:	• • • • • • • • • • • • • • • • • • • •	S/2 Sec. 1	7 T-16-S F	R-24-E					1.
		,]
			COMM	IENTS:						
								MAG D	EC.(-/+)	
								Section of the latest	ORR.(-/+)	
							<u></u>	TOTAL	CORR.(-/+)	0.0
·	•	DATE	10/02/07		TIME:	1:41 PM	TRUE TO GRI	.D		~
MINIM	JM CURV	ATURE (CALCULATIO	NS(SPE-3362	2)· P	ROPOSED	DIRECTION	270.0	TARGET	TRACKING
									TO CE	ENTER
SVY			GRID		VERT			DLS/	ABOVE(+)	RIGHT(+)
NUM	MD	INC	AZM	TVD	SECT	N-S	E-W	100	BELOW(-)	LEFT(-)
TIE	0	0.0	0.0	0.0	0.0	0.0	0.0			
1	3986	0.0	0.0	3986.0	0.0	0.0	0.0	0.0	449.0	0.0
2	3996	1.3	270.0	3996.0	0.1	0.0	-0.1	12.8	439.0	0.0
3	4006	2.6	270.0	4006.0	0.4	0.0	-0.4	12.8	429.0	0.0
4	4691	90.0	270.0	4435.0	449.0	0.0	-449.0	12.8	0.0	0.0
5	8668	90.0	270.0	4435.0	4425.7	0.0	-4425.7	0.0	0.0	0.0

KOP @ 3986' MD BUR = 12.8 DEG per 100 FT End Curve @ 4691' MD, 4435' TVD BHL @ 8668' MD, 4435' TVD, 4425' VS

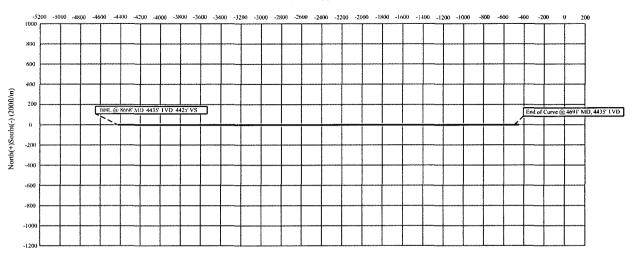
Parallel Petroleum Corp.

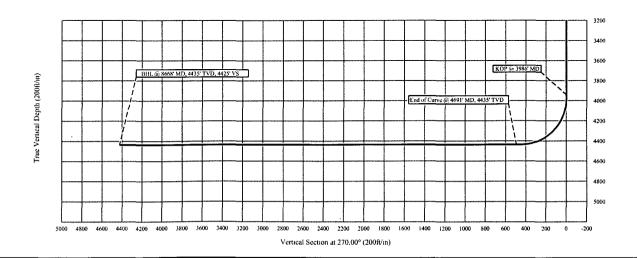
COMPANY DETAILS

Parallel Petroleum Corp. 1004 N. Big Spring, Ste 400 Midland, Texas 79701

Paris Draw State Unit 1624-17 #10 S/2 Sec. 17, T-16-S, R-24-E Eddy County, New Mexico

East(+)/West(-) (200fl/m)





PARALLEL PETROLEUM CORPORATION PARIS DRAW STATE UNIT 1624-17 #10

SL: 760' FSL AND 213' FEL, BHL: 760' FSL AND 660' FWL SL: SEC 17, T16S, R24E, BHL: SEC 17, T16S, R24E EDDY COUNTY, NEW MEXICO

Objective

Drill a horizontal in the Wolfcamp.

Expected Geologic Tops

GL: 3660', KB 3678'. Glorieta 1365' Tubb 2375' Abo Shale 3020' Wolfcamp 4435' Wolfcamp Shale 4545'

Well Geometry

• 8 5/8" casing at 15/00' / 000'

• kick-off at 3986' for horizontal zone of interest

• 5 1/2" casing through the horizontal Wolfcamp; Acid soluble cement per completion.

Casing Program

<u>Hole</u>	MD (ft)	Casing	Weight	Grade	Coupling	COMMENT
11"	0 – 15 0 0	8-5/8" 1000	24	J55	ST&C	
7-7/8"	0 – 8668'	5-1/2"	17	N80	LT&C	Run through the horizontal lateral.

Casing Cementing Program

8-5/8" slurry: Lead: 125 sacks (50:50) Poz (Fly Ash): Class C + 5% bwow Sodium Chloride + 10% bwoc Bentonite + 151.7% fresh water. Tail: 200 sacks Class C + 1% bwoc Calcium Chloride + 56.3% fresh water

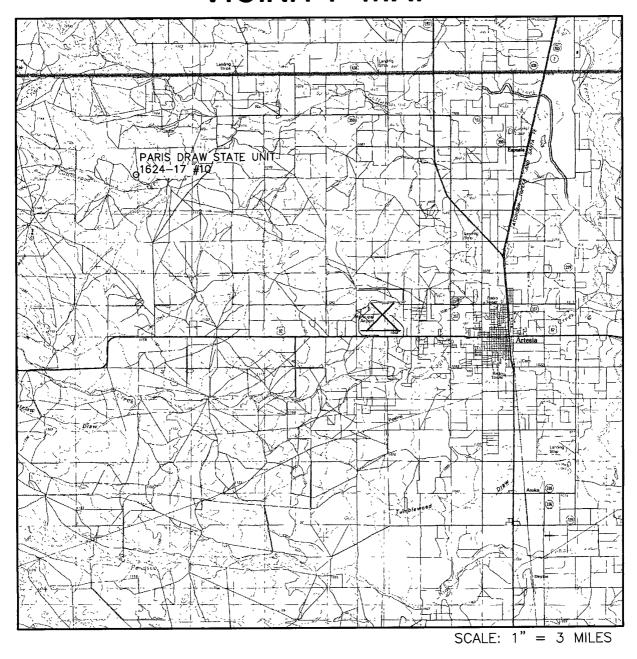
<u>Note</u>: If cement does not circulate to surface, notify OCD. A temperature survey will be required. Top out to surface with 1" pipe in the annulus.

<u>Note</u>: 5-1/2" Cement with acid-soluble CMT per completion procedure. Top of cement should be a tied-back to surface casing.

Mud Program

Depth	<u>Hole</u>	MW	Visc.	WL	Synopsis
0 - 1500	11"	8.4 –	28 - 29	No	FRESH WATER mud only to
(8.6		control	1500 ft. Severe loss potential.
,					Circulate inner reserve. LCM:
,1000					paper, fiber, cotton seed hulls.
1800 – 3000	7-7/8"	8.6 –	28 -29	No	Cut brine. Start w/existing & add
		9.2		control	brine t/50K- 60K chlorides
3000 – KOP	7-7/8"	8.9 –	38 - 45	12-14	XCD/polymer as req'd for hole
		9.5			cleaning. Lubricants.
KOP – TD	7-7/8"	8.9 –	38 - 45	12-14	XCD/polymer as req'd for hole
Horizontal		9.5			cleaning. Lubricants.

VICINITY MAP

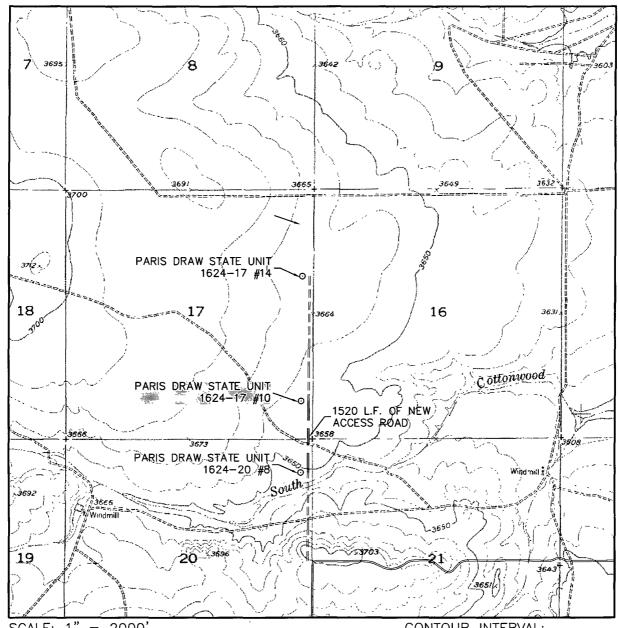


SEC. 17 TWP. 16-S RGE. 24-E SURVEY N.M.P.M. COUNTY CHAVES DESCRIPTION 760' FSL & 213' FEL ELEVATION 3660' OPERATOR PARALLEL PETROLEUM CORPORATION LEASE PARIS DRAW STATE UNIT 1624-17





LOCATION VERIFICATION MAP



SCALE: 1" = 2000

CONTOUR INTERVAL: HOPE NE - 10'

SEC. 17 TWP. 16-S RGE. 24-E SURVEY N.M.P.M. COUNTY CHAVES DESCRIPTION 760' FSL & 213' FEL ELEVATION 3660' OPERATOR PARALLEL PETROLEUM CORPORATION

LEASE PARIS DRAW STATE UNIT 1624-17

U.S.G.S. TOPOGRAPHIC MAP HOPE NE



WEST

OMPANY
110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
of Midland, Inc. (432) 687–0865 – (432) 687–0868 FAX