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

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

Form C-101 May 27, 2004

1220 South St. Francis Dr.

UCT 1 1 2007

☐ AMENDED REPORT

Submit to appropriate District Office

1220 S St. Francis Dr., Sa	-		TO 15		re, NW 8	•	OCD-ARTE				
APPLICATIO	IN FOR	Operator Name	and Addre	SILLI, RE-	ENTER, I	DEEPEN	, PLUGBA	CK, O			NE
1004 N. Di	Pa	rallel Petro	leum C	orp.	V 70701		3 A DI Number				
Property Code	3 Spring	Street, Sui	ie 400, i	Midland, T	13010151 338				86 /		
21.79.5			Paris	Property Draw State	Vame Unit 1624	-17			We.	II No 4	
UIBBET .	9 F	Proposed Pool 1				-	¹⁰ Pror	osed Pool 2	,		
Cottonwood CA		Volfcamp	451					0000			
)		⁷ Surface	Location	··············					
UL or lot no Section H 17	Township 16S	Range 24E	Lot Idn Feet from 188		om the North/South line		Feet from the 213'	East/Wes	st line County Eddy		
		⁸ Propo	sed Botto	om Hole Locat	ion If Differ	ent From S	urface				
UL or lot no Section E 17	Township 16S	Range 24E	Lot I		m the North	/South line	Feet from the 660'	East/Wes		Cou Ed	
				ditional We							
Work Type Code		O & G	ode		Rotary	14]	Lease Type Code		15 Grou	and Level Elev	ation
18 16 Multiple		17 Proposed Dep	oth	I ¹⁸ Fori	nation		P Contractor		3672° 20 Spud Date		
No	866	68MD,443	5TVD		camp		NA			NA	
Depth to Groundwater 25	0'		Distance	e from nearest fres	h water well 6	200'	Distance from	n nearest su	ırface w	ater 4200	,
Pit: Liner: Synthetic	12_mi	ils thick Clay	☐ Pit Vo	olume:25,000 bbl	ls Drilling <u>Method.</u>						
Closed-Loop Syste	m 🗌				Fresh Water Brine Diesel/Oil-based Gas/Air						
		21	Propos	ed Casing a	nd Cemen	t Progran	1				
Hole Size	Casi	ng Size		weight/foot	Setting Depth Sacks of Cement Estimated TOC						
11"		5/8"	24#		1800' /04				Surface		
7-7/8"	5-	1/2"	_	17#	TVD 4435' NA MD 8668'			Tie back To surface			
					MD 8	668′					
			 							casing	<u></u>
22 Describe the proposed p	orogram. If	this application	is to DEEF	PEN or PLUG BA	CK, give the d	ata on the pre	sent productive z	one and pro	posed 1	new producti	ve zone.
	Describe the blowout prevention program, if any. Use additional sheets if necessary. Well to be Drilled as a Horizontal Wolfcamp test. The attached drilling plan will be utilized for this test and contains details on the										41
cement and mud pro									conta	ins details	on the
1. Prepare surfac	e locatio	n. Move in	and rig u	p drilling rig	, spud well	and drill a	nd set condu	ctor. Ins	stall a	nd test BC)P's.
2. Drill 11" surfa 3. Drill 7 7/8" pro	ce hole to	a minimum	depth o	f 1 5 00'. Set 8	5/8"casing	and ceme	ent.				
3. Drill 7 7/8" pro											and
660' FEL of th								рголипа	iciy i	OOU TIVE	and
5. Set 5 ½" to TD	and tie c							ecessary	(spec	ific proce	dure to
be determined)		120 in andini			! C 4 . !	17					
	6. Place well on test. No H2S is anticipated during the drilling of this well.7. Well will share a pad and common reserve pit with the Paris Draw State Unit 1624-16 #13.										
12											
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 plant. Approved by: BRYAN G, ARRANT											
Printed name: Deane		1 1200	5	Title:		DISTRIC					
Title; Drilling Engineer					Approval Dat	e: OCT	1 5 2007 E	xpiration D	Date.	00T.1	5 2008
E-mail Address: ddurham	@nlll com				P.F.			•		<u> </u>	VUC
Date: 10-8-07	- Брингоон	Phone: 432	°-684-3	727	Conditions of	Approval Att	ached \square				
Date. 10-0-07		1 110110. 3 32	00.7		Conditions of	pp.ovai m					

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

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

2001 W. Grand Avende, Artesia, Na. 6021

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

OIL CONSERVATION DIVISION 1220 South St. Frances 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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

		W]	ELL LOC	ATION A	AND ACRE	AGE DEDICATION	N PLAT				
API Number Pool Code						Pool Name	Pool Name				
	Property Code Property Name Well Number										
Property	Code	Property Name Well Number PARIS DRAW STATE UNIT 1624–17 14									
OGDID V		Operator Name Elevation									
OGRID N	о.		ΡΔ	RALLEL		name M CORPORATION	1	367			
Surface Location											
UL or lot No.	Section	Township	Range	Lot Idn	Feet from th		Feet from the	East/West line	County		
H	17	16 S	24 E	Lot Idn	1880	NORTH	213	EAST	EDDY		
	17	10 3	L		L			LAST			
Bottom Hole Location If Different From Surface											
UL or lot No.	Section	Township	Range	Lot Idn	Feet from th	1 '	Feet from the	East/West line	County		
E	17	16 S	24 E		1880	NORTH	660	WEST	EDDY		
Dedicated Acres	Joint of	Infill Co	nsolidation	Code Or	der No.						
320				,							
NO ALLOWA	BLE WILL					NTIL ALL INTERES		CONSOLIDATE	D OR A		
		NOI	N-STANDA	RD UNIT	HAS BEEN	APPROVED BY THE	DIVISION				
				 -			ODEDAT	OR CERTIFICA	TION		
!	ĺ			ĺ			91	OR CERTIFICA Information contained herein is tri	1		
								and belief, and that this organizated mineral interestin the land inc			
							bottom hale location or ha	a right to drill this well at this l	location pursuant to		
				ł), 		er of such a mineral or working ut or a compulsory pooling order h			
880'						880,	the division.				
7								f)1			
				-			- A land	John 10-	8-07		
"""							Signature	Date			
	ĺ					1 (3)	2 Dean e	Purham			
660' 	HL) +		89 <u>*58'57"</u>	W - 398	9.5	(SL) (SL) (SL) (SL) (SL) (SL) (SL) (SL)	Printed Nam	e			
	"	Produ	cing_	ļ		1 1 660, -					
765			Area			763					
ı Î				Proje	ct_ea \		SURVEY	OR CERTIFICA	TION		
- -	+			 ^	<u>eq 7</u> — —			that the well locate			
Bottom Hole I	Location			Panatna	ition Point	Surface Location	11 .	as plotted from field made by me or	- I		
Plane Coor	dinate			Plane	Coordinate	Plane Coordinate	11	d that the same is	1		
X = 454.0 Y = 700.2	262.5			Y = 7	58,061.7 700,263.7	X = 458,508.5 Y = 700,263.8	correct to th	e best of my belie	f		
Geodetic Coc Lat. 32°55'2					Coordinate 55'28.69" N	Geodetic Coordinate Lat. 32°55'28.70" N					
Long. 104*37' (NAD '2				Long. 104 (NA	.*36'15.16" W .D '27)	Long. 104°36'09.92" V (NAD '27)	′	mber 17, 200	7		
,				\``		(
				<u> </u>			Signature & S	Seal of Professiona	l Surveyor		
	1						[[ME William	七. 1		
									10:		
NOTE:							1 (1/11	(1218)	5)		
NOTE:	atan and B	aringo sha	horoca ===				11 KVC		<u></u> ; _@		
Plane Coordin Transverse Me Maying Coordin	ercator Grid	and Conform	to the "New				W.O. N	um 22007-09			
Mexico Coordi North Americ	an Datum, c	of 1983. Dist	ances shown	1				o. MACON MCDONALI			
hereon are m	iean norizon	tai surface vo	ilues.					Thuman.			

11	-		AL	LEI	-	IRVEY (CALCUL	ATION	I PROGF	RAM
	PEI	KOLE	JM CORF	ORATIO	N		·			
OPER	ATOR:	:	Parallel Pe	etroleum (Corporati	on	Superviso	rs:		
WELL			Paris Drav	v State Ur	it 1624-1	7 #14				
LOCA	TION:		N/2 Sec. 1	7 T-16-S F	₹-24-E					· .
_							<u> </u>			
			COMM	ENTS:						
								MAG D		
									ORR.(-/+)	
							<u></u>	TOTAL	CORR.(-/+)	0.0
		DATE:	10/02/07		TIME:	1:44 PM	TRUE TO GRI	.D		▼
MINIM	JM CUR	/ATURE C	ALCULATION	1S(SPE-3362	?) P	ROPOSED	DIRECTION	270.0	TARGET T TO CE	
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

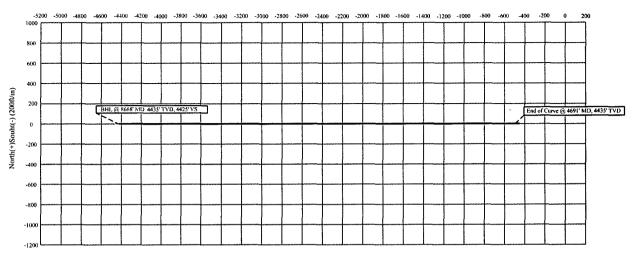
Parallel Petroleum Corp.

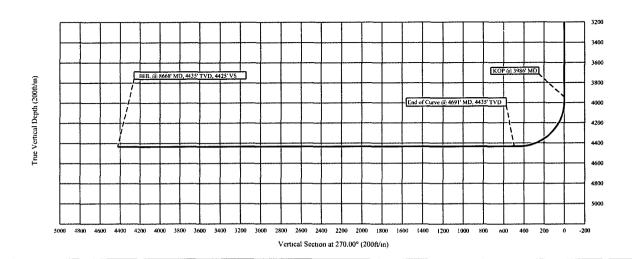
COMPANY DETAILS

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

Paris Draw State Unit 1624-17 #14 N/2 Sec. 17, T-16-S, R-24-E Eddy County, New Mexico

East(+)/West(-) (200ft/in)





PARALLEL PETROLEUM CORPORATION PARIS DRAW STATE UNIT 1624-17 #14

SL: 1880' FNL AND 213' FEL, BHL: 1880' FNL 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: 3672', KB 3688'. Glorieta 1365' Tubb 2375' Abo Shale 3020' Wolfcamp 4435' Wolfcamp Shale 4545'

Well Geometry

- 8 5/8" casing at 1500"
- kick-off at 3986' for horizontal zone of interest
- 5 1/2" casing through the horizontal Wolfcamp; Acid soluble cement per completion.

Casing Program

100c'

<u>Hole</u>	<u>MD</u> (ft)	Casing	Weight	Grade	Coupling	COMMENT
11"	0 -	8-5/8"	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

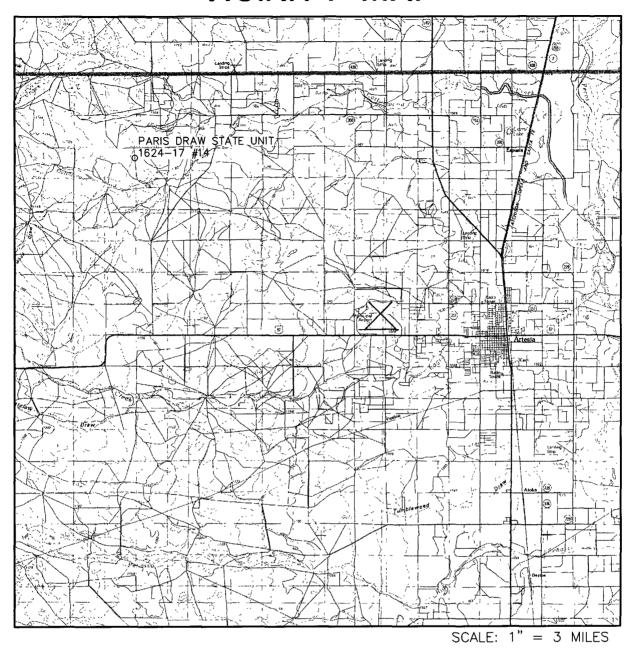
Note: If cement does not circulate to surface, notify OCD. A temperature survey will be required. Top out to surface with 1" pipe in the annulus.

<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

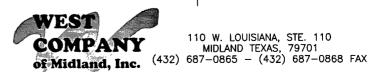
<u>Depth</u>	Hole	MW	Visc.	WL	Synopsis
0 - 15,00	11"	8.4 –	28 - 29	No	FRESH WATER mud only to
·		8.6		control	1500 ft. Severe loss potential.
,	,	Ì			Circulate inner reserve. LCM:
,1000					paper, fiber, cotton seed hulls.
1800 – 3000	7-7/8"	8.6 –	28 -29	No	Cut brine. Start w/existing & add
		9.2		control	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

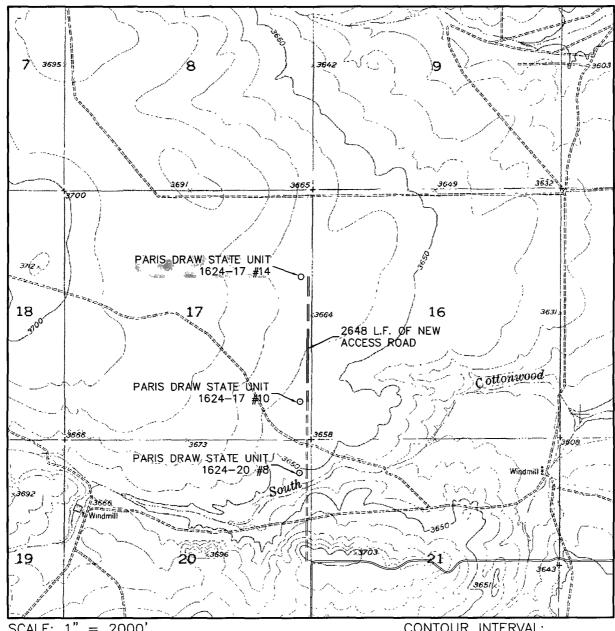


SEC. 17 TWP. 16-S RGE. 24-E SURVEY N.M.P.M. COUNTY CHAVES DESCRIPTION 1880' FNL & 213' FEL ELEVATION 3672' OPERATOR PARALLEL PETROLEUM CORPORATION LEASE PARIS DRAW STATE UNIT 1624-17





LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: HOPE NE - 10'

SEC. <u>17</u> TWP. <u>16-S</u> RGE. <u>24-E</u>

SURVEY N.M.P.M.

COUNTY CHAVES

DESCRIPTION 1880' FNL & 213' FEL

ELEVATION 3672'

OPERATOR PARALLEL PETROLEUM CORPORATION

LEASE PARIS DRAW STATE UNIT 1624-17

U.S.G.S. TOPOGRAPHIC MAP

HOPE NE





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