6/8/00	6/28/00 miner MS 1000 KW INSL(SD)
	ABOVE THIS LINE FOR DIVISION USE ONLY NEW MEXICO OIL CONSERVATION DIVISION
	- Engineering Bureau -
	ADMINISTRATIVE APPLICATION COVERSHEET
THIS CO	OVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
[ו	S. [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] t-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1] <b>TYPE OF</b> [A]	APPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL NSP DD SD
Che [B]	cck One Only for [B] and [C]       Image: Commingling - Storage - Measurement       Image: Commingling - Storage - Measurement         Image: DHC       Image: CTB       Image: PLC       Image: Commingling - Storage - Measurement       Image: Commingling - Storage - Measurement         Image: DHC       Image: CTB       Image: PLC       Image: Commingling - Storage - Measurement       Image: Commingling - Storage - Measur
[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR
[2] <b>NOTIFIC</b> [A]	ATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners
[B]	Gifset Operators, Leaseholders or Surface Owner
[C]	Application is One Which Requires Published Legal Notice
[D]	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
[E]	□ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] U Waivers are Attached

#### INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding [3]

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

liam F. Can

Print or Type Name

18/00

#### CAMPBELL, CARR, BERGE

•

# & SHERIDAN, P.A.

MICHAEL B. CAMPBELL WILLIAM F. CARR BRADFORD C BERGE MARK F. SHERIDAN MICHAEL H. FELDEWERT ANTHONY F. MEDEIROS

JACK M. CAMPBELL 1916-1999 JEFFERSON PLACE SUITE I - 110 NORTH GUADALUPE POST OFFICE BOX 2208 SANTA FE, NEW MEXICO 87504-2208 TELEPHONE: (505) 988-4421 FACSIMILE: (505) 983-6043 E-MAIL: Jaw@westofpecos.com

00 JUN -8 FM 1: 24

June 8, 2000

#### HAND-DELIVERED

Lori Wrotenbery, Director Oil Conservation Division New Mexico Department of Energy, Minerals and Natural Resources 2040 South Pacheco Street Santa Fe, New Mexico 87505

Re: Application of Raptor Resources, Inc for Administrative Approval of an unorthodox gas well location for its State "A" A/C-3 Well No. 14 at a point 660 feet from the South line and 1980 feet from the East line of Section 10, Township 23 South, Range 36 East, NMPM, and simultaneous dedication of this well and other existing wells to a previously approved 320-acre non-standard Jalmat gas spacing and proration unit, Lea County, New Mexico.

Dear Ms. Wrotenbery:

Raptor Resources, Inc. hereby seeks administrative approval of an unorthodox gas well location for its State "A" A/C-3 Well No. 14 to be re-entered and completed in the Jalmat Gas Pool at location 660 feet from the South line and 1980 feet from the East line (Unit O) of Section 10, Township 23 South, Range 36 East, NMPM, Lea County, New Mexico.

The State "A" A/C 3 Well No. 14 was spudded on December 21, 1999, and drilled at a standard oil well location to a depth of 3865 feet to test the Langlie Mattix Pool (Seven Rivers-Queen-Grayburg). The well was not productive in this pool. Raptor now seeks authority to plug-back and recomplete this well up-hole in the Jalmat Gas Pool (Tansill-Yates-Seven Rivers) and to simultaneously dedicated this well and the existing wells thereon to the previously approved non-standard 320-acre spacing and proration unit comprised of Raptor Resources, Inc. Application for Administrative Approval of Unorthodox Well Locations and Simultaneous Dedication June 8, 2000 Page 2

the E/2 of Section 10, Township 23 South, Range 36 East, NMPM, Lea County, New Mexico.

This GPU was initially established by Division Order No. R-9073, issued in Case No. 9775, dated December 14, 1989 [Paragraph No. 9 of Exhibit "A"] and had dedicated thereon the following two wells:

- State "A" A/C-3 Well No. 1 (API No. 30-025-09299), located at an unorthodox gas well location 990 feet from the North and East lines (Unit A) of Section 10; and
- (2) State "A" A/C-3 Well No. 2 (API No. 30-025-09289), located at an unorthodox gas well location 1650 feet from the South line and 990 feet from the East line (Unit I) of Section 10.

By Division Administrative Order NSL-2873, dated September 25, 1990, another well for this GPU, the State "A" A/C-3 Well No. 8 (API No. 30-025-20245), located at an unorthodox gas well location 660 feet from the South and East lines (Unit P) of Section 10 was approved. Authorization was also given in said administrative order to simultaneously dedicate Jalmat Gas production from the State "A" A/C-3 Well Nos. 1, 2 and 8 to the subject GPU.

By Division Administrative Order NSL-2873-A, dated January 18, 1991, the following three described wells located at unorthodox gas well locations were approved for this GPU:

- (1) State "A" A/C-3 Well No. 4 (API No. 30-025-09300), located 660 feet from the North line and 2310 feet from the East line (Unit B) of Section 10;
- (2) State "A" A/C-3 Well No. 5 (API No. 30-025-09303), located 1980 feet from the North line and 2310 feet from the East line (Unit G) of Section 10; and

Raptor Resources, Inc. Application for Administrative Approval of Unorthodox Well Locations and Simultaneous Dedication June 8, 2000 Page 3

> (3) State "A" A/C-3Well No. 6, located at an unorthodox gas well location 1980 feet from the South line and 2310 feet from West line (Unit J) of Section 10. This well was plugged and abandoned in December 1994.

The Jalmat Gas Pool is governed by Special Pool Rules and Regulations, promulgated by Division order No. R-8170. Rule 2(b) of these rules provides for wells located on 320-acre spacing units to be located no closer than 660 feet and 990 feet from the outer boundary of GPU.

Attached hereto as Exhibits A is a plat which shows the subject 320-acre spacing unit comprised of the E/2 of Section 10 and the operators of offsetting tracts which are not operated by Raptor. Exhibit B is a copy of Oil Conservation Division Form C-102 which shows the location of the proposed unorthodox well location and all other wells currently dedicated to this non-standard spacing and proration unit. Exhibit C is a list of these wells which shows that the State "A" A/C-3 Well No. 6 has been plugged and abandoned.

Exhibit D lists the parties affected by this application. A copy of this application, including a copy of the plat described above has been sent to these affected parties by certified mail-return receipt requested in accordance with Rule 1207 (A)(5) advising them that if they have an objection to this application it must be filed in writing with the Division's Santa Fe office within twenty days from the date this notice was sent.

A draft order approving this application is enclosed on hard copy and computer disk for your consideration.

Raptor Resources, Inc. Application for Administrative Approval of Unorthodox Well Locations and Simultaneous Dedication June 8, 2000 Page 4

Your attention to this application is appreciated.

Very truly yours,

illian F.

William F. Carr Attorney for Raptor Resources, Inc.

WFC/md

Enclosures

 cc: Bill Keathly Regulatory Agent for Raptor Resources, Inc. 105 South Fourth Street Artesia, NM 88210

Oil Conservation Division-Hobbs

Doyle Hartman

Gruy Petrolaum

John Hendrix

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**EXHIBIT** A

District I

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Ψ.

1625 N. French Dr., Hobbs. NM 88240 District II

PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd. Aztec, NM 87410 District IV PO Box 2088, Santa Fe. NM 87504-2088 State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Revised February 21, 1994 instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

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#### WELL LOCATION AND ACREAGE DEDICATION PLAT

EXHIBIT B

Form C-102

## **EXHIBIT C**

## State "A" A/C - 3 Well No. 14 320 acre Non-Standard Jalmat Gas Pool Spacing and Proration Unit Township 23 South, Range 36 East, N.M.P.M. Section 10: E/2

WELL NAME	Well No	Status	API No.	Sec/Twp/Rg/UL	Footage from Lease
		00		40,000,005,0	
State "A" A/C 3		DR	30-025-34682	10 23S 36E O	660' FSL & 1980' FEL
State "A" A/C 3, COM A	1 1	P	30-025-09299	10 23S 36E A	990' FNL & 990' FEL
State "A" A/C 3, COM A	4 /	Р	30-025-09300	10_23S 36E B	660' FNL & 2310' FEL
State "A" A/C 3, COM A	5	SI	30-025-09303	10 23S 36E G	1980' FNL & 2310' FEL
State "A" A/C 3, COM A	2	Р	30-025-09289	10 23S 36E I	1650' FSL & 990' FEL
State "A" A/C 3, COM A	8	P	30-025-20245	10 23S 36E P	660' FSL & 660' FEL
State "A" A/C 3	6	P&A		10 23S 36E J	1980' FSL & 2310' FWL

#### **EXHIBIT C**

State "A" A/C 3 # 14 Section 10, T-23S, R-36E, O API # 30-025-34682 Lea County, New Mexico

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\*

#### **RE:** Application for Unorthodox Location

#### **Notification of Offset Operators:**

Gruy Petroleum Mgmt P.O. Box 140907 Irving, TX 75014-0907

John H. Hendrix Corp P.O. Box 3040 Midland, TX 79702-3040

Doyle Hartman P.O. Box 10426 Midland, TX 79702

Please find attached evidence that the above listed companies have been sent copies of the Non-standard location request.

#### **EXHIBIT D**

ubmit 3 Copies to Appropriate District Office	State of New Mex Energy, Minerals and Natural Res		Form C 103 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM S8240	OIL CONSERVATION P.O. Box 2088		WELL API NO. 30-025-34682
P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexico 8	7504-2088	5. Indicate Type of Lease STATE FEE
DISTRICT 111 1000 Rio Brazos Rd., Aztec, NM 87410	)		6. State Oil & Gas Lease No.
( DO NOT USE THIS FORM FOR F DIFFERENT RES	DTICES AND REPORTS ON WELL PROPOSALS TO DRILL OR TO DEEPEN O SERVOIR. USE •APPLICATION FOR PER I C-101) FOR SUCH PROPOSALS.)	OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
1. Type of Well: Oil Well Well Gas Well Well	OTHER		State 'A' A/C 3
2. Name of Operator	sources, Inc.	· · · · ·	8. Well No. 14
3. Address of Operator 901 Rio Grande, Austin, T)			9. Pool name or Wildcat Langlie Mattix 7 Rvrs-Q-Grayburg (37240)
4. Well Location Unit Letter O66	60 Feet From The South	Line and19	80 Feet From The East Line
Section 10	Township 23S Ran		NMPM Lea County
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PULL OR ALTER CASING		CASING TEST AND C	
			Set Production Csg

12. I hereby certify that the information above is true and complete to the best of my known signature	TITLE R egulatory Agent for Raptor	DATE 12-27-99
TYPE OR PRINT NAME Bill R. Keathly		TELEPHONE NO. 915-697-1609
(this space for State Use)		DATE JAN 2 7 2000

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CONITIONS OF APPROVAL, IF ANY:

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Submit 3 Copies to Appropriate District Office	State of N Energy, Minerals and Nat			·	Form C Revised	
DISTRICT I P.O. Box 1980, Hobbs, NM S8240	OIL CONSERVA P.O. B Santa Fe, New M	ox 208	8	WELL API NO.	30-025-34682	
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1. Type of Well: Oil Well X Gas Well	]				State 'A' A/C 3	
Well         Well           2. Name of Operator	OTHER		<u></u>	8. Well No.	State A A/C 3	
Raptor Res	ources, Inc.				14	
3. Address of Operator			<u></u>	9. Pool name or		
901 Rio Grande, Austin, TX 4. Well Location	78701			Langlie Mattix	7 Rvrs-Q-Graybu	<b>rg (37240)</b>
Unit Letter <u>O</u> <u>660</u>	Feet From TheS	outh	Line and19	80 Feet From	n TheEast	Line
Section 10	Township 23S			NMPM	Lea	County
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OTHER:			OTHER	Spud, set Sur	face Csg.	X

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12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

12-16-99 Spud 12 1/4" hole @ 2 p.m. drilled to a depth of 630'. GIH W/ 14 jts 8 5/8" 24# casing set @ 630'. Lead cement W/ 140 sks Class C W/ 2% CaCl + 1/4#/ sk Cello Flake & 6% Bentonite gell. Tail cement W/ 100 sks Class C W/ 2% CaCl, circulated 78 sacks cement to pit. Plug down @ 11:45 pm. WOC for 8 hrs & tested csg to 1000# for 30 min. Resumed drilling 7 7/8" hole to TD 12 hours after plug down.

12. I hereby certify that the information above is true and complete to the best of my know SIGNATURE	R egulatory Agent for Raptor	DATE 12-19-99
TYPE OR PRINT NAME Bill R. Keathly		TELEPHONE NO. 915-697-1609
(this space for State Use)	DISTRICT I SUPERVISOR	DEC 27 1999
CONITIONS OF APPROVAL, IF ANY:		

District I PO Box 1980. Hobbs. NM 88241 1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088

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State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-101 Revised February 10. 1994 Instructions on back Submit to Appropnate District Offico State Lease - 6 Copies Fee Lease - 5 Copies

[ JAMENDED REPORT

TION	FOR PI	ERMIT	TO DR1	LL, RE-E	NTER, DE	EPE	N, PLUGB	ACK,			•
		•	Operator Nat	ne and Address.							]
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221-	<u>x.</u>	eur	cer	l	والمراجع والوطيط بالمراجعا الواحة والبسا الماك	JHIG	DISTRICT	SUPE	RVISOR	L	1
	Bill R.	Keathly									
R egi	ulatory A	gent for R	aptor		the second			Expitatio	n Date:		l X
		Phone		ł	Conditions of Ass						
	r Resou Box 160 a, Tx. 78 rty Code 672 Section 10 Section aglie Man ype Code Unitiple	r Resources, Inc Box 160430 a, Tx. 78716-043 rty Code 672 Section Township 10 23S S P Section Township Propo- nglie Mattix 7 Rvr ype Code Matiple 222 Cas 1 8 1 5 1 8 1 5 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	r Resources, Inc. Box 160430 a, Tx. 78716-0430 rty Code 672 Section Township Range 10 23S 36E S Proposed Section Township Range Proposed Pool 1 nglie Mattix 7 Rvrs-Q-Gray ype Code "Well Type 1 0 17 Proposed 3900 2 2 2 2 2 2 2 2 2 2 2 2 2	<sup>o</sup> Operator Nar r Resources, Inc. 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X. 78716-0430         Property Name         672         State 'A' A/C 3         Surface Location         Section Township Range Lot Idu Feet from the North/South 10         23S         Section Township Range Lot Idu Feet from the North/South 660         South Section If Diff         Section Township Range Lot Idu Feet from the North/South 660         South Section If Township Range Lot Idu Feet from the North/South 10         Section Township Range Lot Idu Feet from the North/South 10         Proposed Pool I         nglie Mattix 7 Rvrs-Q-Grayburg (37240)         Yep Code ''Well Type Code ''Cable/Rotary J         Jogosed Casiing and Cemen 21 Pro Zosed program. If this application is to DEEPEN or PLUG BACK give the data of the blowout prevention program, if any Use additional sheets if necrosary.         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If this application is to DEEPEN or PLUG BACK give the data on the the blowout prevention program, if any. Use additional sheets if necrosary.         ocation & Acreage Dedication Plat (C-102)         ediverses 1         Date Un	'Operator Name and Address.         r Resources, Inc.         Box 160430         a, Tx. 78716-0430         ry Code         Property Name         State 'A 'A/C 3         'Surface Location         Section         Section Township Range Lot Ida Feet from the North/South line Feet from the 10         10         Section Township Range Lot Ida Feet from the North/South line Feet from the 'Proposed Bottom Hole Location If Different From Sur Section Township Range Lot Ida         Section Township Range Lot Ida         Section Township Range Lot Ida         Proposed Bottom Hole Location If Different From Sur section 'Proposed Pool I         Section Township Range Lot Ida         Idate in the North/South line Feet from the North/South line Feet from the 'Proposed Pool I         Inglie Mattix 7 Rvrs-Q-Grayburg (37240)         Yee Code 'Well Type Code 'Cable/Rotury 'Lease type Code 'Queen Capstar Drig         If Progosed Casiing and Cement Program         Section Rest         Section Size Casing weight/Yoot         Setting Popping Size Casing weight/Yoot         Setting Depth         Seting Depth </td <td>'Operator Name and Address.         r Resources, Inc.         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Box 160430 , TX 78716-0430  r Code Control of the spongard state of the state</td>	'Operator Name and Address.         r Resources, Inc.         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Box 160430 , TX 78716-0430  r Code Control of the spongard state of the state

Attached

District I PO Box 1980. Hobbs. NM 88241 1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088

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State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-101 Revised February 10. 1994 Instructions on back Submit to Appropriate District Offico State Lease - 6 Copies Fee Lease - 5 Copies

AMENDED REPORT

### APPLICATION FOR PERMIT TO DR1LL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

				Derator Nan	ne and Addres	2				<u>'0</u>	GRID No
Rapto	r Resou	rces, Inc.				<b>9</b> .					162791
P.O.	Box 160	430									API Number
Austir	n, Tx. 78	716-0430								30 - 0	25-34682
' Ргоре	arty Code					Property Name					Well No.
24	672				S	tate 'A' A/C 3					14
						e Location				L	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from th		line	Feet from the	East/W	/est line	County
ο	10	235	36E		660	South		1 <b>980</b>		East	Lea
				Bottom		ation If Diff	erent				
UL or lot no	Section	Township	Range	Lot Idn	Feet from th			Feet from the		cst line	County
	Section	TOwnship	range	Lotion	i cot nom u			rea nom die	East/w	cst line	County
			ed Pool 1		L			" Pronos	ed Pool 2	<u></u>	
		-						пороз		2	
La	nglie Ma	ttix 7 Rvrs	-Q-Gray	ourg {372	40)						
			" Well Type	Code	<u> </u>	ble/Rotary	r	" Lease type Co	de	14 Grou	und Level Elevation
	Type Code		_						40	14 010	
16 M	N Aultiple		O 17 Proposed	Denth	18	R Formation		S 19 Contractor			3416 20 Spud Date
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		l	3900	• 	<u> </u>	lueen		Capstar Drlg		L	9-1-99
- In	Side	Lang	ile A	1attix	siin	g and Cemen	t Pro	gram			
<b> </b>		1 Lang	7 Rura		GR Toot	Setting D	epth	Sacks o	f Cemen	<u>'</u>	Estimated TOC
<u> </u>				-4-	<i></i>	600'			40		Surface
<b> </b>					<u> </u>	3900		4	90		Surface
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	andar	d <u>Lo</u>	(2(10)	2		ACK give the data of if necrssary.	on the p	present productiv	e zone a	nd propose	ed new productive
OPE	P. OGF	RID NO.	162	791		,,, , .					
1. PROP		'NO. 2.									
2. 3. POO	LCOD	E <u>327</u>	40								
		8-24									
APIN	10.34	2-02	5-3	4682	<u>}</u>			s 1 Year I			val
						Date	Unle	ss Drilling	Und	erwa <b>y</b>	
23 I hereby ceni	fy that the i	nformation giv	en above is	true and com	plute to the best	1	_				
of my knowledg						01	L CO	ONSERVA	TION	DIVIS	SION
Signature:	Sel	K. X.	éad	cly	•	Approved by:	C	his 10	U	ian.	
Printed name:		Bill R. K	eathly			Title:		IOT 4 OUF		1000	<u> </u>
Title:						Approval Date:			Expiratio	ISOF	· · · ·
Date:	r egi	ilatory Ag	Phone	aptor		Conditions of to-		26 1			
	8-19-99			915) 697	-1609	Conditions of App					ľ

DISTRICT 1 P.O. Box 1980, Robbe, NM 88241-1980

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DISTRICT II P.O. Drawer BD, Artesia, NM 65211-0719

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

DISTRICT IV P.O. BOX 2086, SANTA PE, N.M. 87504-2088 State of New Mexico

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Energy, Hinerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

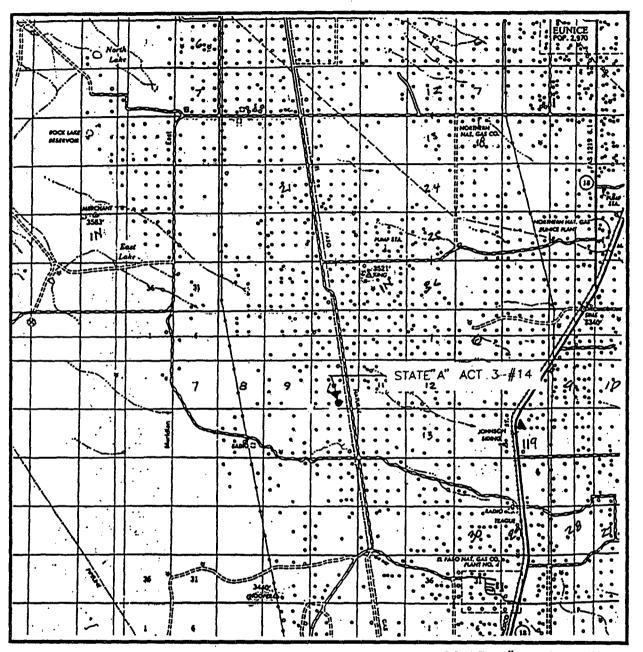
#### OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

□ AMENDED REPORT

	Number			Pool Code		Pool Name					
30-02	5-34	682	372	40		Lan	glie mattin	2-Graybu	irg		
Property C	Code				Ргор	erty Nam	e		Well Num	aber /	
24672					STATE	<u> </u>	CT 3		14		
OGRID No	).					ator Nam			Elevation		
162791		·		RAH	TOR RE		CES, INC.	· · · · · · · · · · · · · · · · · · ·	3416	<u>6</u>	
					Surfa	ce Loca	ation				
UL or lot No.	Section	Township	Range	Lot idn			North/South line	Feet from the	East/West line	County	
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LL		1 <u></u>	Bottom	Hole I	Location	f Diffe	rent From Sur	face		i	
UL or lot No.	Section	Township	Range	Lot Idn	Feet fro	m the	North/South line	Feet from the	East/West line	County	
				L							
Dedicated Acres	Joint o	r Infill C	Consolidation	Code	Order No.						
40							·····				
NO ALLO	WABLE W						NTIL ALL INTER		EN CONSOLIDA	ATED	
		OR A	NON-STAN	IDARD	UNIT HAS	BEEN	APPROVED BY	THE DIVISION			
			<u> </u>	Ţ				OPERATO	R CERTIFICAT	TION	
	1					I		I hereby	, certify the the in	formation	
	I.					1		contained herein	is true and comple		
								best of my know	ledge and belief.		
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	- 1							BIR	Keathly		
								Printed Name			
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				ł				8-17- Date	-71		
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L	۱ 			<u> </u>				SURVEYO	R CERTIFICAT	TION	
	1					ł		I hereby certify	that the well locati	ion shown	
				l					s plotted from field		
			•	Į				actual surveys supervison, and	made by me er I that the same is	true and	
	•			ł		•		11 .	best of my belief		
	1							JUN	E 11, 1999		
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<u>├</u> ──	- +				<u> </u>		<u> </u>	Signature k.	J. EIRS	[]	
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					999			Cortificate No		N 3239	
1						1		The AROFE	SHOW DESON	12641 12185	
<u> </u>							·		MILLER		

# VICINITY MAP



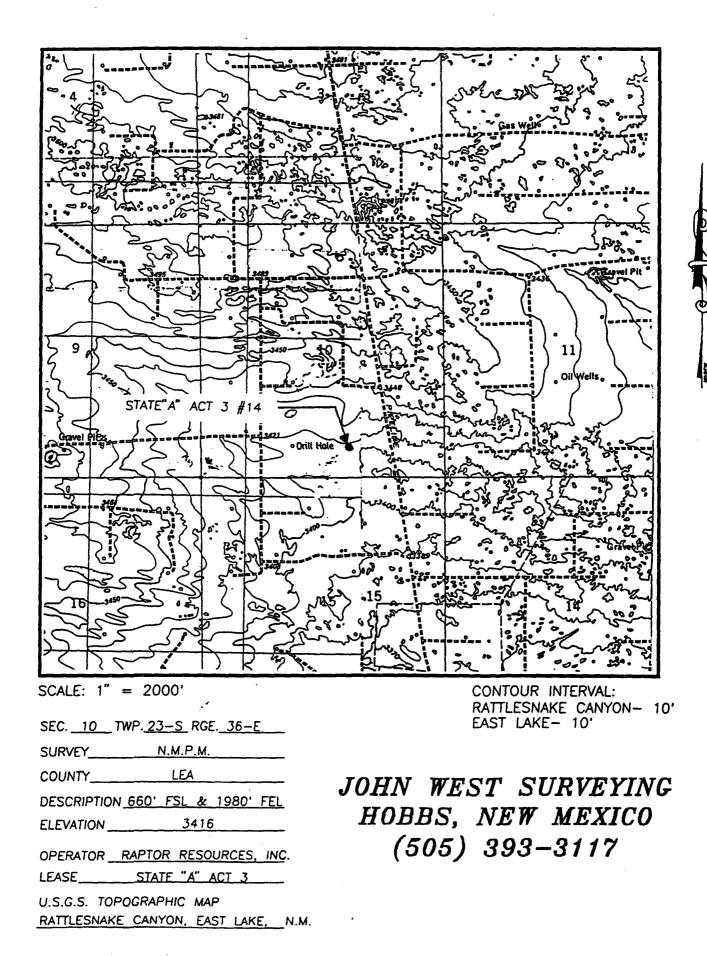
SCALE: 1'' = 2 MILES

SEC. <u>10</u> TWP. <u>23-S</u> RGE. <u>36-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>LEA</u> DESCRIPTION <u>660' FSL & 1980' FEL</u> ELEVATION <u>3416</u> OPERATOR <u>RAPTOR RESOURCES, INC.</u> LEASE <u>STATE "A" ACT 3</u>

• • •

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

# LOCATION VERIFICATION MAP



#### Proposed Well Plan State "A" A/C 3, Well # 14 660' FSL & 1980' FEL, Sec. 10, T 23S, R 36E, Unit Ltr 'O', Lea Co.

- 1. Drill 12 <sup>1</sup>/<sub>4</sub>" hole from surface to 600'.
- 2. Run 8 5/8" 24# casing to 600' cement W/ 240 sx cement with additives to Surface.
- 3. Drill 7 7/8" hole to 3900'.

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- 4. Run 5 1/2" 15.5# casing to 3400' cement W/ 490 sx cement with additives to surface.
- 5. Perforate the Queen formation from 3543' to 3890'
- 6. Acid and Frac treatment will be determined after looking at the Logs.
- 7. Complete and put on production.

Casing Program	<b>m:</b>					
Surface:						
Lead:	140	sacks	Class C	Mixed at	11.8	ppg
Additives:	2% CACL	2 + 0.25 pps Cell	o-Flakes + 6% Benton	ite		
<b>Tail</b> :	100	sacks	Class C	Mixed at	14.8	ppg
Additives:	2% CACL	2				
Production						
Lead: _	390	sacks	Class C	Mixed at	12.4	ppg
Additves	35:65 Poz (F	rly Ash) + 5% CA	ACL2 + 6% Bentonite			
		xacks	Class C	Mixed at	14.8	ppg

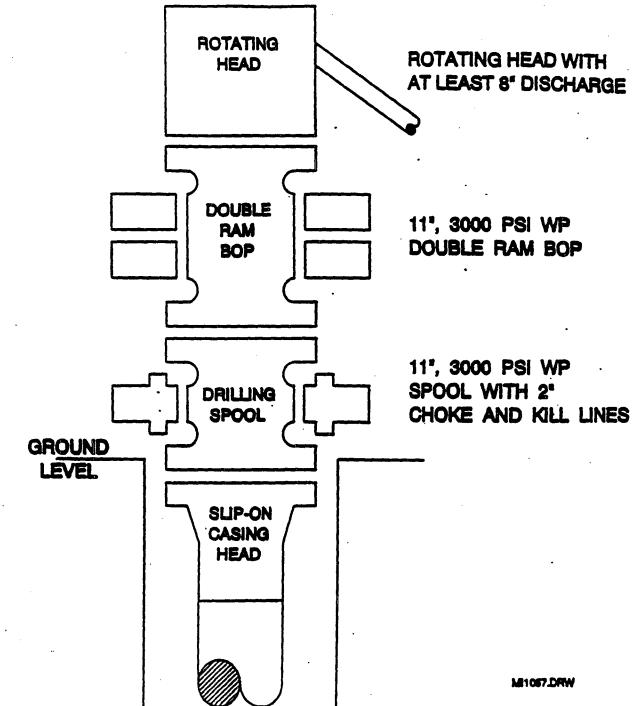
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BOP SPECIFICATIONS



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# CHOKE MANIFOLD DIAGRAM

