

DATE: 6/8/00	SUSPENSE: 6/28/00	ENGINEER: MS	LOGGED: KW	TYPE: NSL(SD)
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ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -

**ADMINISTRATIVE APPLICATION COVERSHEET**

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

**Application Acronyms:**

- [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
 [DD-Directional Drilling] [SD-Simultaneous Dedication]  
 [DHC-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]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Directional Drilling  
 NSL     NSP     DD     SD

Check One Only for [B] and [C]

- [B] Commingling - Storage - Measurement  
 DHC     CTB     PLC     PC     OLS     OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX     PMX     SWD     IPI     EOR     PPR

00 JUN - 8 PM 1: 21  
OIL CONSERVATION DIV.

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or  Does Not Apply

- [A]  Working, Royalty or Overriding Royalty Interest Owners  
 [B]  Offset 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]  Waivers are Attached

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

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.

William F. Carr  
Print or Type Name

William F. Carr  
Signature

Attorney  
Title

6/8/00  
Date

CAMPBELL, CARR, BERGE  
& SHERIDAN, P.A.  
LAWYERS

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 1 - 110 NORTH GUADALUPE  
POST OFFICE BOX 2208  
SANTA FE, NEW MEXICO 87504-2208  
TELEPHONE: (505) 988-4421  
FACSIMILE: (505) 983-6043  
E-MAIL: law@westofpecos.com

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

00 JUN - 8 PM 1:24  
OIL CONSERVATION DIV.

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 dedicate this well and the existing wells thereon to the previously approved non-standard 320-acre spacing and proration unit comprised of

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:

- (1) 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

- (3) State "A" A/C-3 Well 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

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Your attention to this application is appreciated.

Very truly yours,



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 Petroleum  
 John Hendrix

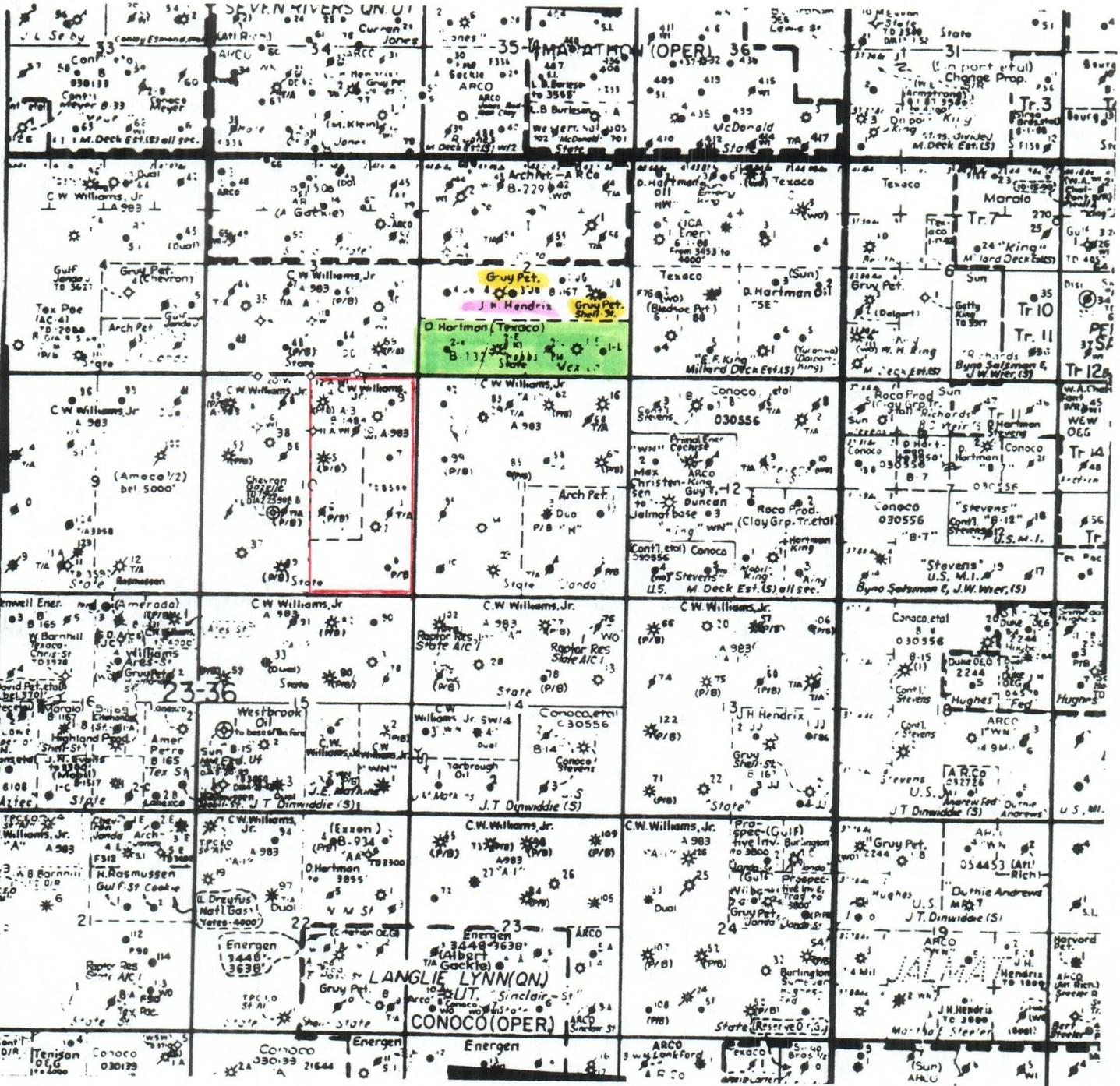


EXHIBIT A

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

District II  
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

District III  
1000 Rio Brazos Rd. Aztec, NM 87410

PO Box 2088  
Santa Fe, NM 87504-2088

District IV  
PO Box 2088, Santa Fe. NM 87504-2088

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34682		2 Pool Code 79240		3 Pool Name Jalmat: Tan-Yates-7 rvrs (Pro Gas)	
4 Property Code 24672		5 Property Name State "A" A/C 3			6 Well Number 14
7 OGRID No. 162791		8 Operator Name Raptor Resources			9 Elevation 3416'

10 Surface Location

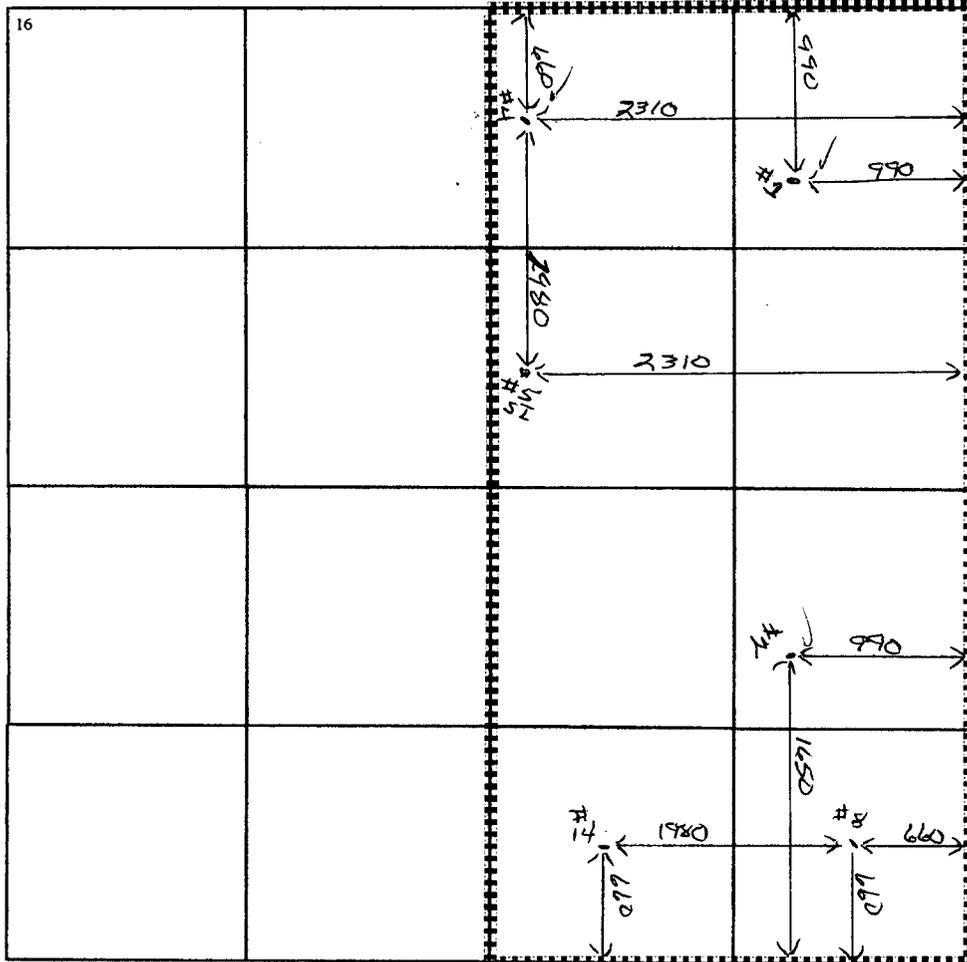
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	10	23S	36E		660	South	1980	East	Lea

11 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

12 Dedicated Acres 320	13 Joint or Infil	14 Consolidation Code	15 Order No.
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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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Bill R. Keathly*

Signature  
Bill R. Keathly

Printed Name  
Regulatory Agent

Title  
5-9-00

Date

18 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 supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

**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**

<b>WELL NAME</b>	<b>Well No</b>	<b>Status</b>	<b>API No.</b>	<b>Sec/Twp/Rg/UL</b>	<b>Footage from Lease</b>
State "A" A/C 3	14	DR	30-025-34682	10 23S 36E O	660' FSL & 1980' FEL
State "A" A/C 3, COM A	1 ✓	P	30-025-09299	10 23S 36E A	990' FNL & 990' FEL
State "A" A/C 3, COM A	4 ✓	P	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 ✓	P	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

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

**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.

+Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C 103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

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

P.O. Drawer DD, Artesia, NM 88210

DISTRICT 111  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-025-34682
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name State 'A' A/C 3
8. Well No. 14
9. Pool name or Wildcat Langlie Mattix 7 Rvrs-Q-Grayburg {37240}
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3416

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> OTHER
2. Name of Operator Raptor Resources, Inc.
3. Address of Operator 901 Rio Grande, Austin, TX 78701
4. Well Location Unit Letter <u>O</u> <u>660</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>East</u> Line Section <u>10</u> Township <u>23S</u> Range <u>36E</u> NMPM <u>Lea</u> County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3416
--

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: _____ <input type="checkbox"/>		OTHER <u>Set Production Csg</u> <input checked="" type="checkbox"/>	

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.  
12-21-99 Drilled 7 7/8" hole to TD @ 3865'. GIH W/ 94 jts 5 1/2" 15.5# casing set @ 3865'. Lead cement 450 slx Class C W/ 5% Sodium Chloride & 6% Bentonite gel. Tail cement 300 sx Class C W 3% KCl + 0.2% CD-32 dispersant + .06% FL-62 fluid loss additive. Plug down @ 5:15 p.m. on 12-22-99.

Well shut-in till after the first of the year.

12. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Bill R. Keathly TITLE R regulatory Agent for Raptor DATE 12-27-99

TYPE OR PRINT NAME Bill R. Keathly TELEPHONE NO. 915-697-1609

(this space for State Use)

APPROVED BY Chris Williams DISTRICT 1 SUPERVISOR DATE JAN 27 2000

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C 103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

P.O. Drawer DD, Artesia, NM 88210

DISTRICT 111  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-025-34682
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. //
7. Lease Name or Unit Agreement Name State 'A' A/C 3
8. Well No. 14
9. Pool name or Wildcat Langlie Mattix 7 Rvrs-Q-Grayburg {37240}
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3416

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> OTHER
2. Name of Operator Raptor Resources, Inc.
3. Address of Operator 901 Rio Grande, Austin, TX 78701
4. Well Location Unit Letter <u>O</u> <u>660</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>East</u> Line Section <u>10</u> Township <u>23S</u> Range <u>36E</u> NMPM <u>Lea</u> County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3416
--

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

<b>NOTICE OF INTENTION TO:</b>	<b>SUBSEQUENT REPORT OF:</b>
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: _____ <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER <u>Spud, set Surface Csg.</u> <input checked="" type="checkbox"/>

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 knowledge and belief.

SIGNATURE Bill R. Keathly TITLE R regulatory Agent for Raptor DATE 12-19-99

TYPE OR PRINT NAME Bill R. Keathly TELEPHONE NO. 915-697-1609

(this space for State Use)

APPROVED BY Chris Williams DISTRICT 1 SUPERVISOR DATE DEC 27 1999

CONDITIONS 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

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 Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

AMENDED REPORT

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

Operator Name and Address. Raptor Resources, Inc. P.O. Box 160430 Austin, Tx. 78716-0430		OGRID No. 162791
		API Number 30-025-34682 <i>Copy C</i>
Property Code 24672	Property Name State 'A' A/C 3	Well No. 14

' Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	10	23S	36E		660	South	1980	East	Lea

s Proposed 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

Proposed Pool 1 Langlie Mattix 7 Rvrs-Q-Grayburg (37240)	Proposed Pool 2
---	-----------------

Work Type Code N 16 Multiple	Well Type Code O 17 Proposed Depth 3900'	Cable/Rotary R 18 Formation Queen	Lease type Code S 19 Contractor Capstar Drlg.	14 Ground Level Elevation 3416 20 Spud Date 9-1-99
------------------------------------	---	--	--	---

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	600'	240	Surface
7 7/8"	5 1/2"	15.5#	3900'	490	Surface

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.

- Well Location & Acreage Dedication Plat (C-102)
- Proposed Well Plan
- Cementing Program
- BOP/Choke diagram

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Bill R. Keathly</i>		OIL CONSERVATION DIVISION	
Printed name: Bill R. Keathly		Approved by: ORIGINAL SIGNED BY CHRIS WILLIAM DISTRICT I SUPERVISOR	
Title: R regulatory Agent for Raptor		Title:	
Date: 8-19-99	Phone: (915) 697-1609	Approval Date: <b>AUG 26 1999</b>	Expiration Date:
		Conditions of Approval: Attached	

*mp*

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

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 Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

AMENDED REPORT

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

Operator Name and Address. Raptor Resources, Inc. P.O. Box 160430 Austin, Tx. 78716-0430		OGRID No. 162791
		API Number 30-025-34682
Property Code 24672	Property Name State 'A' A/C 3	Well No. 14

' Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	10	23S	36E		660	South	1980	East	Lea

s Proposed 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
Proposed Pool 1 Langlie Mattix 7 Rvrs-Q-Grayburg {37240}					Proposed Pool 2				

" Work Type Code N 16 Multiple	" Well Type Code O 17 Proposed Depth 3900'	" Cable/Rotary R 18 Formation Queen	" Lease type Code S 19 Contractor Capstar Drlg.	14 Ground Level Elevation 3416 20 Spud Date 9-1-99
--------------------------------------	---	--	--	---

Inside Langlie Mattix  
7 RVRS-Q-GB

Setting and Cement Program

Foot	Setting Depth	Sacks of Cement	Estimated TOC
	600'	240	Surface
	3900'	490	Surface

De: Standard Location  
zor  
OPER. OGRID NO. 162791  
1. PROPERTY NO. 24672  
2. POOL CODE 32740  
3. EFF. DATE 8-24-99  
4. API NO. 30-025-34682

PLUG BACK give the data on the present productive zone and proposed new productive sheets if necessary.

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <u>Bill R. Keathly</u>		OIL CONSERVATION DIVISION	
Printed name: <u>Bill R. Keathly</u>		Approved by: <u>Chris Williams</u>	
Title: <u>R regulatory Agent for Raptor</u>		Title: <u>DISTRICT 1 SUPERVISOR</u>	
Date: <u>8-19-99</u>	Phone: <u>(915) 697-1609</u>	Approval Date: <u>AUG 26 1999</u>	Expiration Date:
		Conditions of Approval: Attached	

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II  
P.O. Drawer 80, Artesia, NM 88211-0719

DISTRICT III  
1000 Rio Brasos Rd., Asteo, NM 87410

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico  
Energy, Minerals 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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-025-34682</b>	Pool Code <b>37240</b>	Pool Name <b>Kunglic Mattiz 7 Rurs Q - Grayburg</b>
Property Code <b>24672</b>	Property Name <b>STATE "A" ACT 3</b>	Well Number <b>14</b>
OGRID No. <b>162791</b>	Operator Name <b>RAPTOR RESOURCES, INC.</b>	Elevation <b>3416</b>

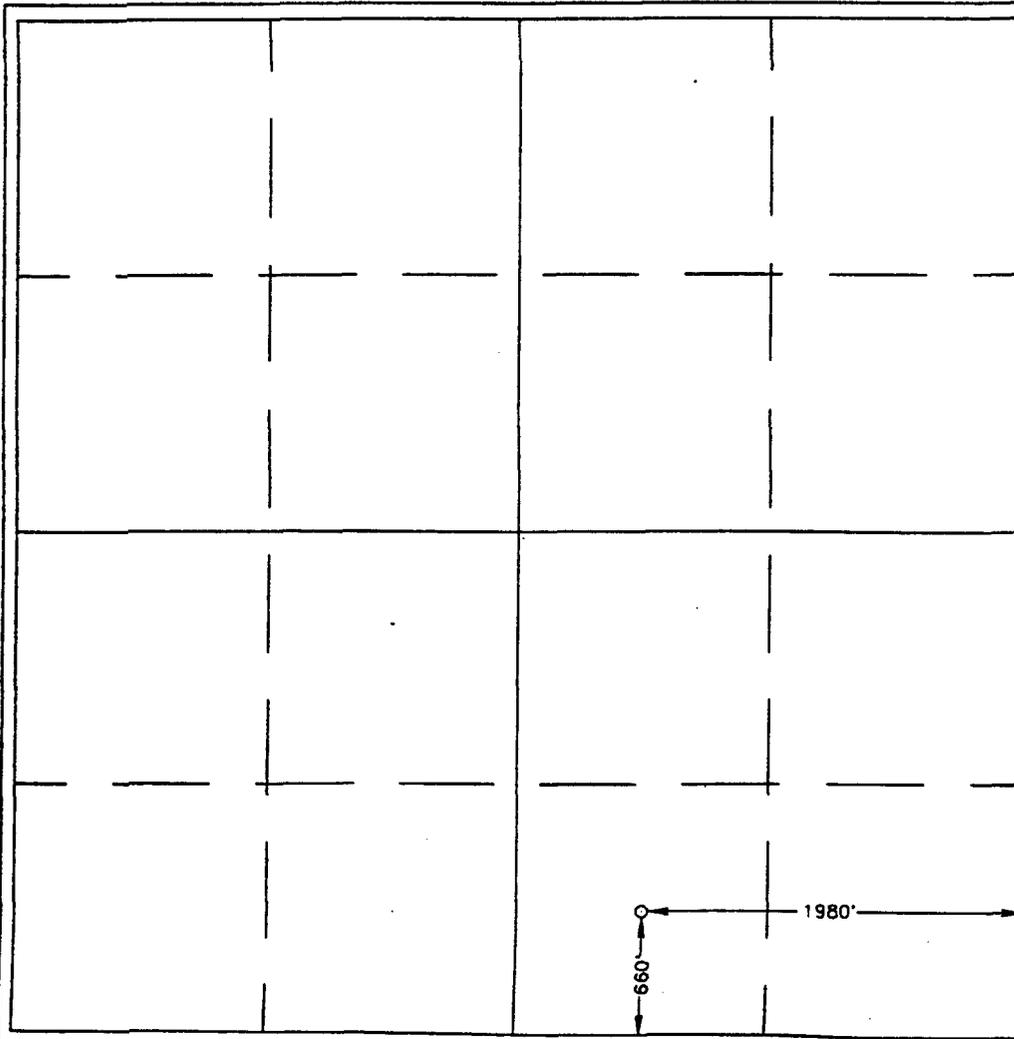
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	10	23 S	36 E		660	SOUTH	1980	EAST	LEA

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 <b>40</b>		Joint or Infill	Consolidation Code	Order No.					

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



**OPERATOR CERTIFICATION**

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

*Bill R. Keathly*  
Signature

**Bill R. Keathly**  
Printed Name

**Regulatory Agent - Raptor**  
Title

**8-19-99**  
Date

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**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 supervision, and that the same is true and correct to the best of my belief.

**JUNE 11, 1999**  
Date Surveyed

**DMCC**

**RONALD J. EIDSON**  
Professional Surveyor

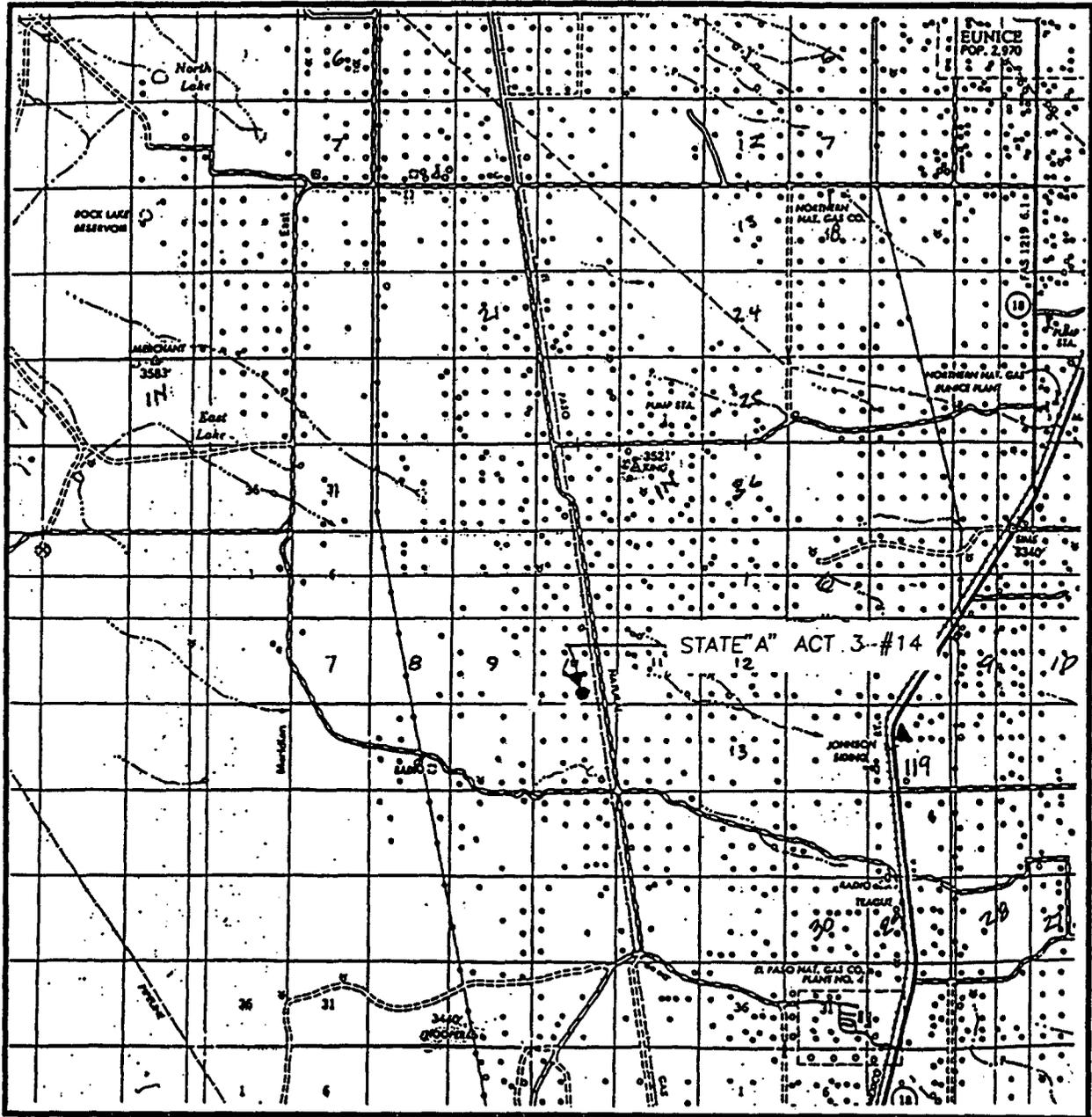
*Ronald J. Eidson*  
Signature

**6-17-99**  
Date

**NEW MEXICO**

Cert. No. **RONALD J. EIDSON 3239**  
Professional Surveyor **EIDSON 12641**  
**McDONALD 12185**

# VICINITY MAP

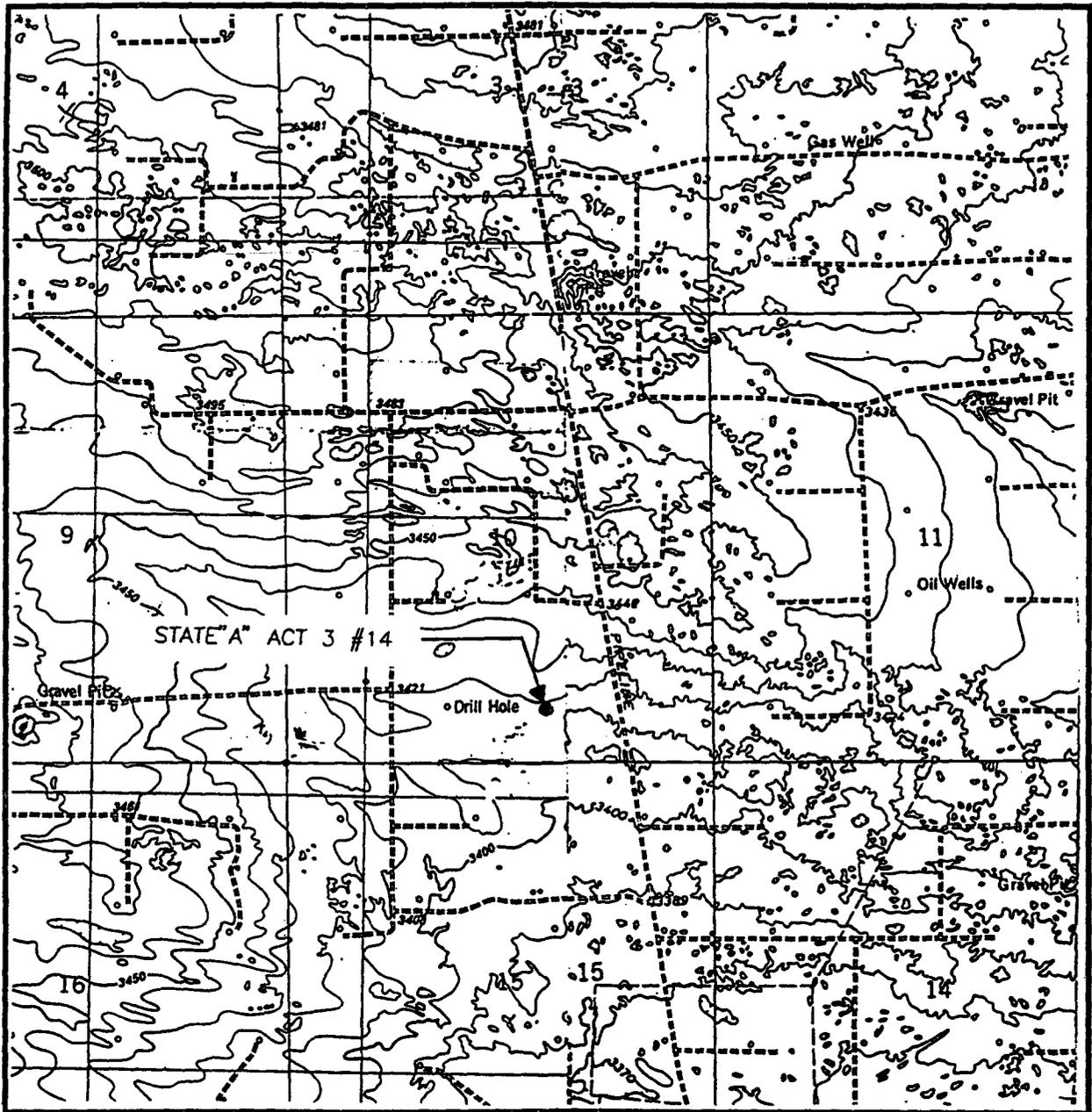


SCALE: 1" = 2 MILES

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

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

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
RATTLESNAKE CANYON- 10'  
EAST LAKE- 10'

SEC. 10 TWP. 23-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 660' FSL & 1980' FEL

ELEVATION 3416

OPERATOR RAPTOR RESOURCES, INC.

LEASE STATE "A" ACT 3

U.S.G.S. TOPOGRAPHIC MAP  
RATTLESNAKE CANYON, EAST LAKE, N.M.

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

**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 1/4" 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'.
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.

**Well Name:** State "A" A/C 3 #14

**Location:** 660' FSL & 1980' FEL, Sec. 10, T 23S, R 36E, Unit Ltr 'O', Lea County, New Mexico

**Casing Program:**

**Surface:**

Lead: 140 sacks Class C Mixed at 11.8 ppg

Additives: 2% CACL2 + 0.25 pps Cello-Flakes + 6% Bentonite

Tail: 100 sacks Class C Mixed at 14.8 ppg

Additives: 2% CACL2

**Production**

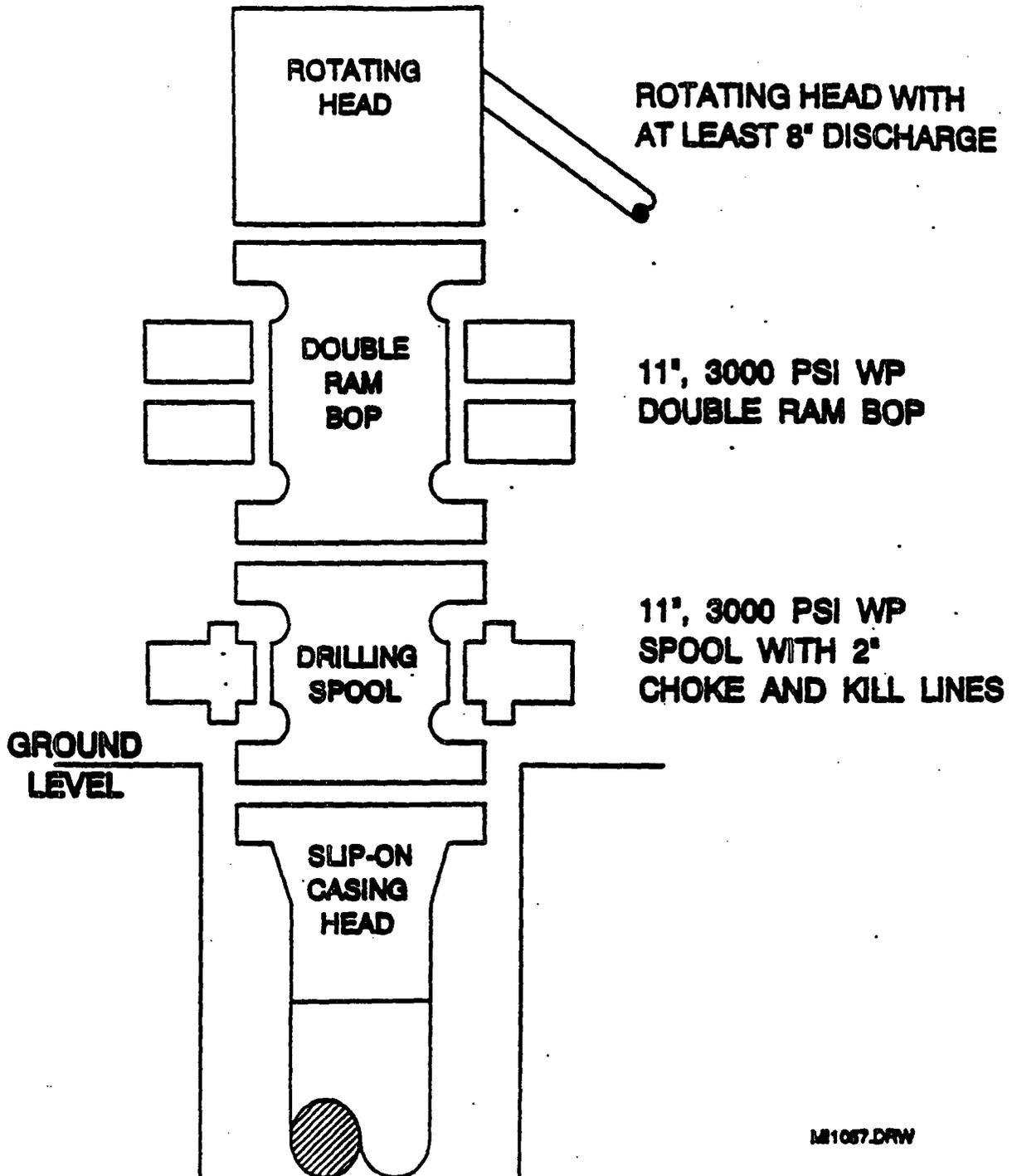
Lead: 390 sacks Class C Mixed at 12.4 ppg

Additives: 35:65 Poz (Fly Ash) + 5% CACL2 + 6% Bentonite

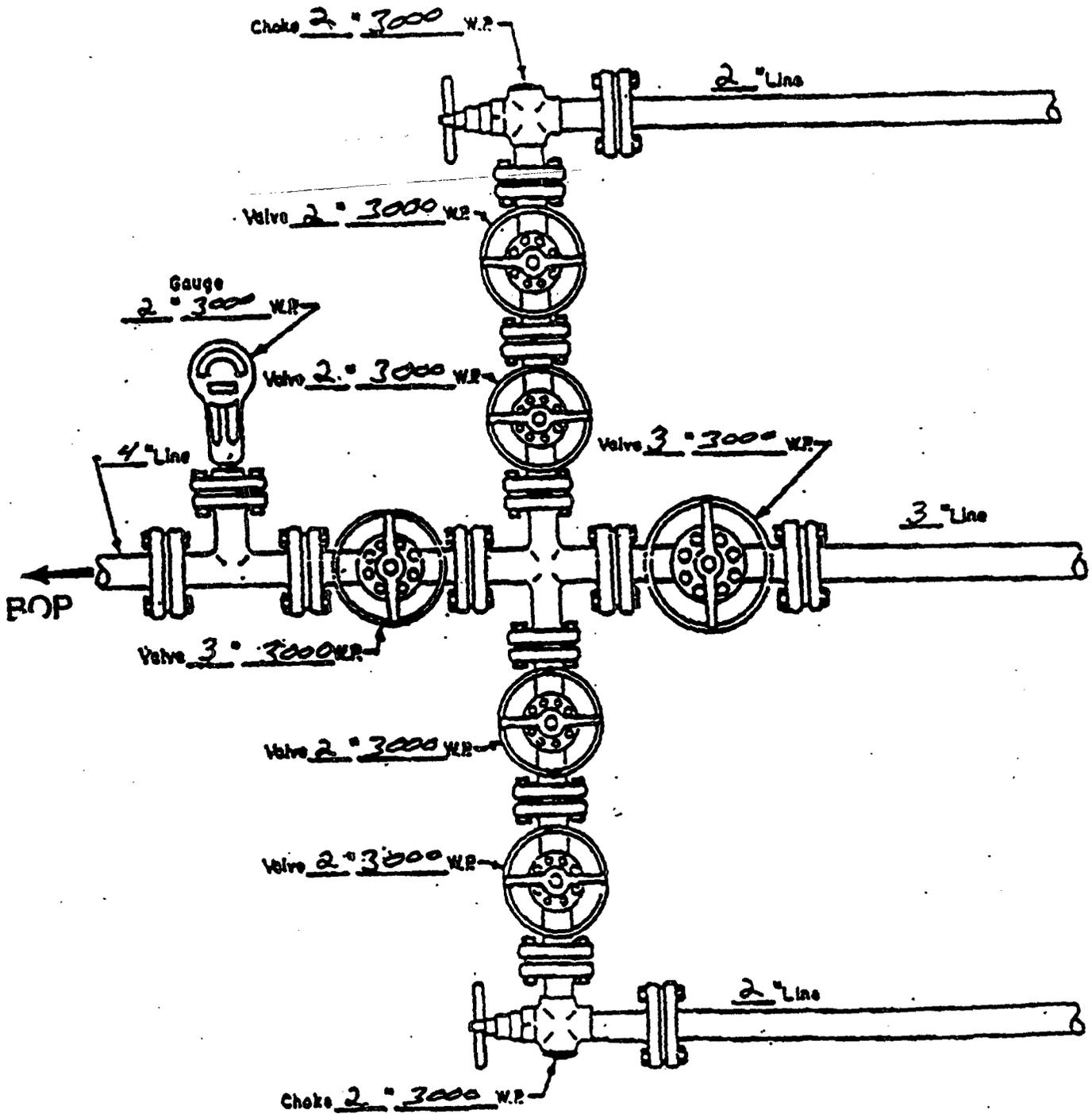
Tail: 100 sacks Class C Mixed at 14.8 ppg

Additives: 3% Potassium Chloride + 2% CD-32 + 0.6% FL-62

# BOP SPECIFICATIONS



# CHOKE MANIFOLD DIAGRAM



MANIFOLD  
3000 \* W.P.

- Manual
- Hydraulic