

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]

00 JUN -9 PM 12:40
OIL CONSERVATION DIV

[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

[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

6/9/00
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 9, 2000

HAND-DELIVERED

Lori Wrottenbery, 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 - 1 Well No. 128 at a point 1980 feet from the South line and 1830 feet from the West line of Section 13, Township 23 South, Range 36 East, NMPM, and simultaneous dedication of this well and other existing wells to a previously approved 640-acre non-standard Jalmat gas spacing and proration unit, Lea County, New Mexico.*

Dear Ms. Wrottenbery:

Raptor Resources, Inc. hereby seeks administrative approval of an unorthodox gas well location for its State "A" A/C-1 Well No. 128 to be re-entered and completed in the Jalmat Gas Pool at location 1980 feet from the South line and 1830 feet from the West line (Unit K) of Section 13, Township 23 South, Range 36 East, NMPM, Lea County, New Mexico.

The State "A" A/C-1 Well No. 128 was spudded on March 17, 2000 and drilled at a standard oil well location to a depth of 3810 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 640-acre spacing and proration unit comprised of the N/2 and the SW/4 of Section 13 and the NE/4 of Section 14, Township 23 South, Range 23 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. 11 of Exhibit "A"] and had dedicated thereon the following five wells:

- (1) State "A" A/C-1 Well No. 13 (**API No. 30-025-09355**), located at an unorthodox gas well location 1980 feet from the North line and 660 feet from the East line (Unit H) of Section 14;
- (2) State "A" A/C-1 Well No. 20 (**API No. 30-025-09341**), located at an unorthodox gas well location 660 feet from the North line and 1980 feet from the West line (Unit C) of Section 13;
- (3) State "A" A/C-1 Well No. 21 (**API No. 30-025-09342**), located at an unorthodox gas well location 1980 feet from the North and 660 feet from the East line (Unit H) of Section 13;
- (4) State "A" A/C-1 Well No. 22 (**API No. 30-025-09343**), located at an unorthodox gas well location 660 feet from the South line and 1980 feet from the West line (Unit N) of Section 13; and
- (5) State "A" A/C Well No. 77 (**API No. 30-025-10714**), located at an unorthodox gas well location 660 feet from the North line and 1980 feet from the East line (Unit B) of Section 14.

By Division Order No. R-9073-A, issued in Case No. 9874, dated February 28, 1990, the following three described wells located at unorthodox gas well locations were approved for this GPU:

- (1) State "A" A/C Well No. 66 (**API No. 30-025-09346**), located at an unorthodox gas well location 660 feet from the North and West lines (Unit D) of Section 13;

Raptor Resources, Inc.

Application for Administrative Approval of
Unorthodox Well Locations and Simultaneous Dedication

June 9, 2000

Page 3

- (2) State "A" A/C Well No. 71 (**API No. 30-025-09347**), located at an unorthodox gas well location 660 feet from the South and West lines (Unit M) of Section 13; and
- (3) State "A" A/C Well No. 75 (**API No. 30-025-09349**), located at an unorthodox gas well location 1980 feet from the North and West lines (Unit F) of Section 13.

By Division Administrative Order NSL-2874, dated September 25, 1990, another well for this GPU, the State "A" A/C-1 Well No. 106 (**API No. 30-025-20974**), located at an unorthodox gas well location 660 feet from the North and East lines (Unit A) of Section 13 was approved.

By Division Administrative Order NSL-2874-A, dated January 18, 1991, the following two described wells located at unorthodox gas well locations were approved for this GPU:

- (1) State "A" A/C Well No. 57 (**API No. 30-025-09344**), located 660 feet from the North line and 1980 feet from the East line (Unit B) of Section 13; and
- (2) State "A" A/C Well No. 122 (**API No. 30-025-30654**), located 2100 feet from the South line and 660 feet from the West line (Unit L) of Section 13.

Division Administrative Order NSL-2874-B (SD), dated November 4, 1992, authorized two additional wells for this GPU at the following described unorthodox gas well locations:

- (1) State "A" A/C-1 Well No. 60 (**API No. 30-025-09343**), located 1980 feet from the North line and East lines (Unit G) of Section 13; and
- (2) State "A" A/C-1 Well No. 78 (**API No. 30-025-10715**), located 1980 feet from the North line and East lines (Unit G) of Section 14.

By Division Administrative Order NSL-2874-C(SD), dated September 16, 1993, another well for this GPU, the State "A" A/C-1 Well No. 76 (**API No. 30-025-10716**) located at an unorthodox gas well location 660 feet from North and East lines (Unit A) of Section 14 was approved.

By Division Administrative Order NSL-2874-D(SD), dated November 15, 1999, another well for this GPU, the State "A" A/C-1 Well No. 74 (**API No. 30-025-09348**) located at an unorthodox gas well location 1980 feet from the North line and 660 feet from the West line (Unit E) was approved.

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 640-acre spacing units to be located no closer than 1650 feet from the outer boundary of GPU.

Attached hereto as Exhibits A is a plat which shows the subject 640-acre spacing unit comprised of the N/2 and the SW/4 of Section 13 and the NE/4 of Section 14 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 and Exhibit C is a list of these wells. The State "A" A/C Well Nos. 21 and 60 were plugged and abandoned in 1992 and 1994, respectfully, and can be omitted from this GPU.

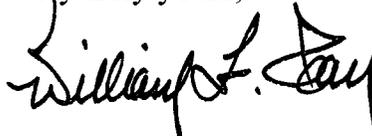
Exhibit D lists the parties affected by this application. A copy of this application, including a copy of the plat described above has been sent to these affected parties by certified mail-return receipt requested in accordance with Rule 1207 (A)(5) advising them that if they have an objection to this 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 in hard copy and on computer disk approving this application is enclosed for your consideration.

Raptor Resources, Inc.
Application for Administrative Approval of
Unorthodox Well Locations and Simultaneous Dedication
June 9, 2000
Page 5

Your attention to this application is appreciated.

Very truly yours,

A handwritten signature in black ink, appearing to read "William F. Carr". The signature is written in a cursive style with a large, stylized initial "W".

William F. Carr
Attorney for Raptor Resources, Inc.

WFC/md
Enclosures

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

Oil Conservation Division-Hobbs

Primal Energy
 Guy + Duncan
 J.H. Hendrix
 DMS Oil Co

Roca Prod.
 Arch Petro
 Conoco

Getty Gruy Petro

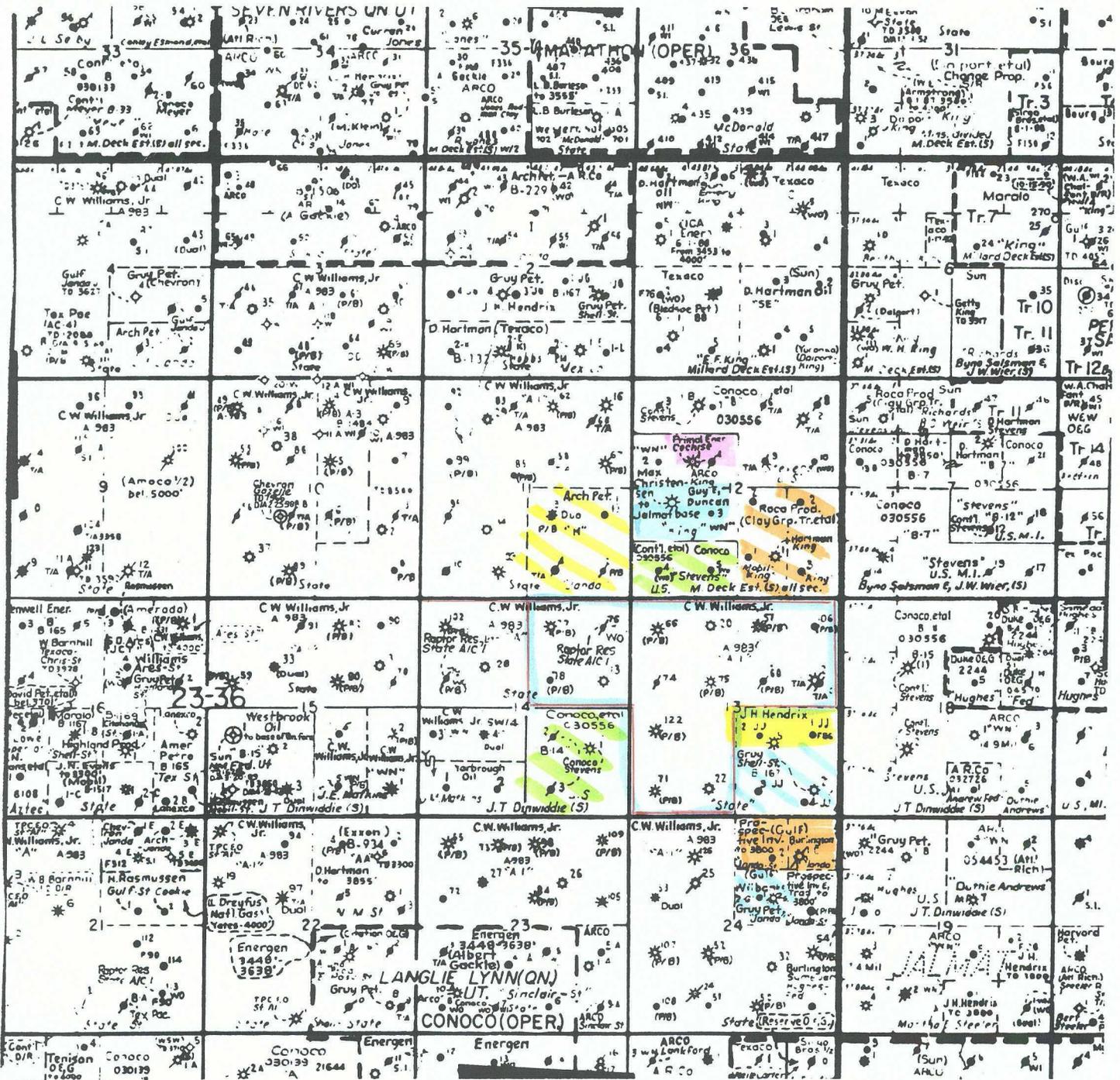


EXHIBIT A

District I
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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34876		2 Pool Code 79240		3 Pool Name Jalmat: Tan-Yates-7 rvrs (Pro Gas)	
4 Property Code 24669		5 Property Name State "A" A/C 1			6 Well Number 128
7 OGRID No. 162791		8 Operator Name Raptor Resources			9 Elevation 3391

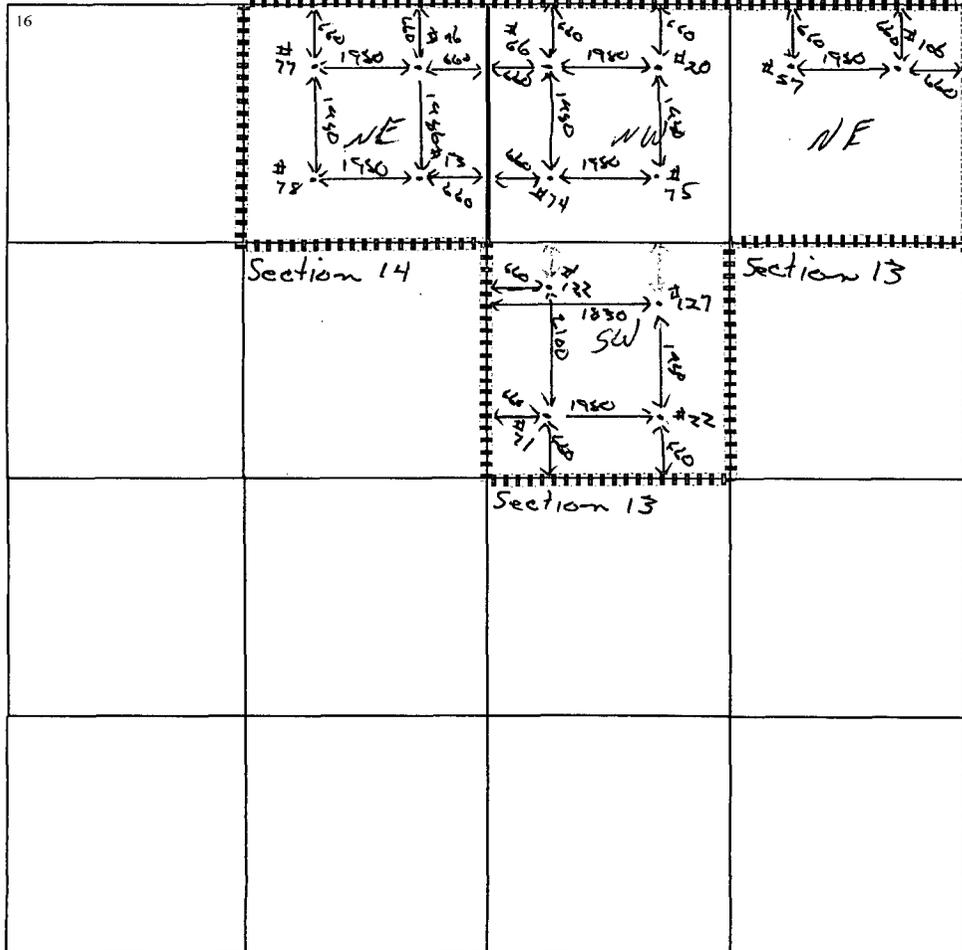
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	13	23S	36E		1980	South	1830	West	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 640		13 Joint or Infill		14 Consolidation Code		15 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



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
4-24-00
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 - 1 Well No. 128

640 - acre Non-Standard Jalmat Gas Pool Spacing and Proration Unit

Township 23 South, Range 36 East, N.M.P.M.

Section 13: N/2 SW/4 and Section 14: NE/4

WELL NAME	Well No	Status	API No.	Sec/Twp/Rg/UL	Footage from Lease
State "A" A/C 1	106	P	30-025-20974	13 23S 36 E A	660' FNL & 660' FEL
State "A" A/C 1	57	P	30-025-09344	13 23S 36 E B	660' FNL & 1980' FEL
State "A" A/C 1	20	P	30-025-09341	13 23S 36 E C	660' FNL & 1980' FWL
State "A" A/C 1	66	P	30-025-09346	13 23S 36 E D	660' FNL & 660' FWL
State "A" A/C 1	74	P	30-025-09348	13 23S 36 E E	1980' FNL & 660' FWL
State "A" A/C 1	75	P	30-025-09349	13 23S 36 E F	1980' FNL & 1980' FWL
State "A" A/C 1	122	P	30-025-30654	13 23S 36 E L	2100' FSL & 660' FWL
State "A" A/C 1	71	P	30-025-09347	13 23S 36 E M	660' FSL & 660' FWL
State "A" A/C 1	22	P	30-025-09343	13 23S 36 E N	660' FSL & 1980' FWL
State "A" A/C 1	76	P	30-025-10716	14 23S 36 E A	660' FNL & 660' FNL
State "A" A/C 1	77	P	30-025-10714	14 23S 36 E B	660' FNL & 1980' FEL
State "A" A/C 1	78	SI	30-025-10715	14 23S 36 E G	1980' FNL & 1980' FEL
State "A" A/C 1	13	P	30-025-096355	14 23S 36 E H	1980' FNL & 660' FEL
State "A" A/C 1	60	P & A	30-025-09343	13 23S 36 E G	1980' FNL & 1980' FEL
State "A" A/C 1	21	P & A	30-025-096355	13 23S 36 E H	1980' FNL & 660' FEL

**State "A" A/C 1 # 128
Section 13, T-23S, R-36E, K
API # 30-025-34876
Lea County, New Mexico**

RE: Application for Unorthodox Location

Notification of Offset Operators:

Arch Petroleum Inc.
P.O. Box 10340
Midland, TX 79702

Conoco Inc
10 Desta Drive, Ste 100W
Midland, TX 79705

Primal Energy Corp
211 Highland Cross
Houston, TX 77073

Roca Production Inc
P.O. Box 10139
Midland, TX 79702

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

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

DMS Oil Co
3000 Wilcrest Dr., Suite 250
Houston, TX 77042

Jerry W. Guy & Thrumman F. Duncan
P.O. Box 755
Hobbs, NM 88241

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 III 1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-025-34876

5. Indicate Type of Lease STATE [X] FEE []

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name State 'A' A/C 1

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 [X] Gas Well [] OTHER

2. Name of Operator Raptor Resources, Inc.

8. Well No. 128

3. Address of Operator 901 Rio Grande, Austin, TX 78701

9. Pool name or Wildcat Langlie Mattix 7 Rvrs-Q-Grayburg (37240)

4. Well Location Unit Letter K 1980 Feet From The South Line and 1830 Feet From The West Line Section 13 Township 23S Range 36E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3391'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data. NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK [], PLUG AND ABANDON [], TEMPORARILY ABANDON [], CHANGE PLANS [], PULL OR ALTER CASING [], OTHER []. SUBSEQUENT REPORT OF: REMEDIAL WORK [], ALTERING CASING [], COMMENCE DRILLING OPNS. [], PLUG AND ABANDONMENT [], CASING TEST AND CEMENT JOB [], OTHER [X] Spud & set Surface Casing

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.

Spud well @ 12:30 pm on 3/17/00. Drill 12 1/4" hole to a depth of 627'. GIH W/ 14 jts 8 5/8" 24# csg set @ 627'. Lead cement 140 sx Class 'C' + 2% CaCl + 6% Bentonite gel. Tail cement 100 sx Class 'C' + 2% CaCl. Circulate 34 sx to surface. WOC. Continue drilling 7 7/8" hole.

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

SIGNATURE [Signature] TITLE Regulatory Agent for Raptor DATE 3-28-00

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

(this space for State Use)

APPROVED BY [Signature] TITLE FIELD REPRESENTATIVE II DATE APR 04 2000

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. 901 Rio Grande Austin, Tx. 78701		OGRID No_ 162791
		API Number 30 - 0 25 34 876
Property Code 24669	Property Name State 'A' A/C 1	Well No. 128

' Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	13	23S	36E		1980	South	1830	West	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	" Cable/Rotary R 18 Formation Queen	" Lease type Code S 19 Contractor N/A	14 Ground Level Elevation 3291 20 Spud Date 2-10-00
--------------------------------------	--	--	--	--

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#	3800'	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.

1. Well Location & Acreage Dedication Plat (C-102)
2. Proposed well Plan
3. Cementing Program
4. BOP/Choke Diagram

Permit Expires 1 Year From Approval
Data 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: <i>Chris Williams</i>	
Title: R regulatory Agent for Raptor		Title: DISTRICT 1 SUPERVISOR	
Date: 1-18-00		Approval Date: JAN 24 2000	
Phone: (915) 697-1609		Expiration Date:	
Conditions of Approval: Attached			

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

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

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

DISTRICT III
1000 Rio Brazos Ed., Artesia, NM 87410

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34876	Pool Code 37240	Pool Name Langlie Mattiz: 7 RURS-G-Grayburg
Property Code 24669	Property Name STATE A A/C 1	Well Number 128
OGRID No. 162791	Operator Name RAPTOR RESOURCES, INC.	Elevation 3391

Surface Location

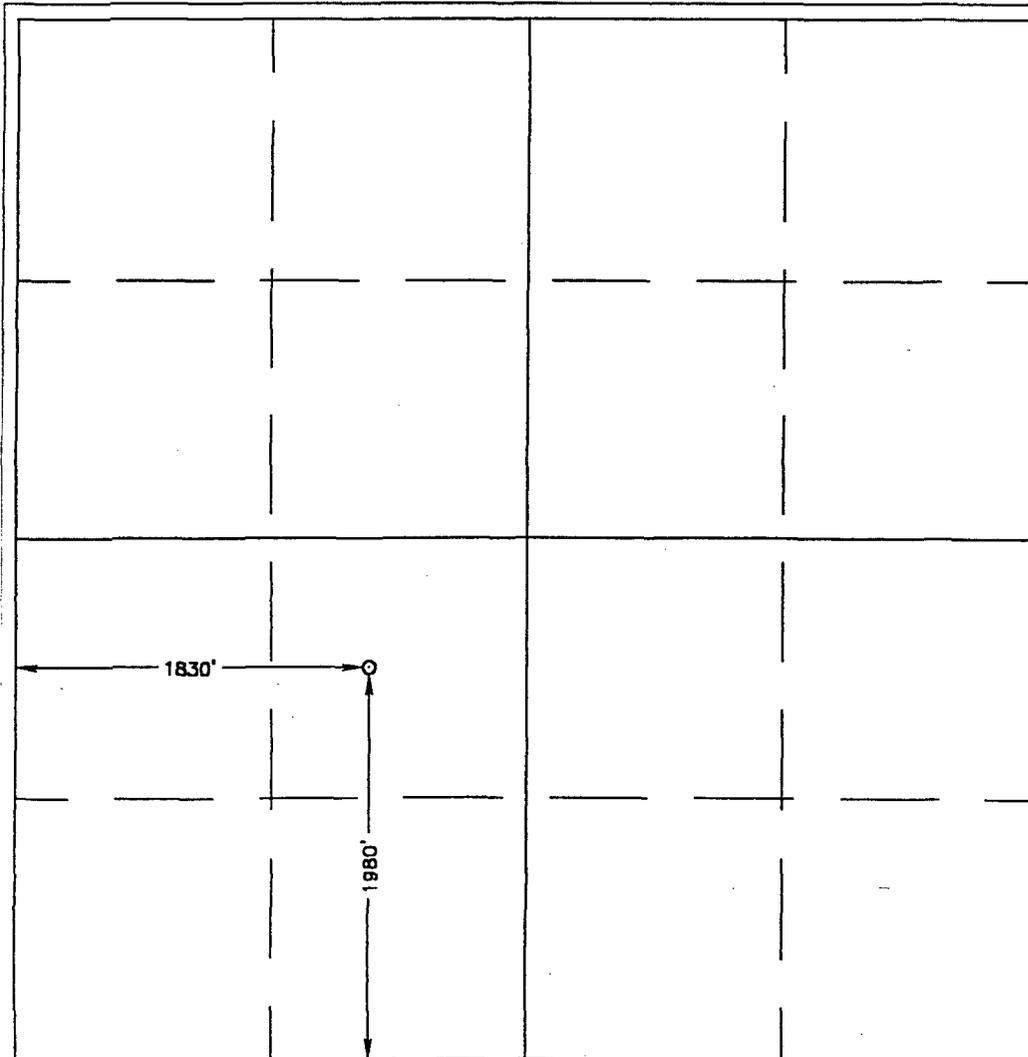
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	13	23 S	36 E		1980	SOUTH	1830	WEST	LEA

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	Joint or Infill	Consolidation Code	Order No.
40			

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
Title

1-18-00
Date

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.

DECEMBER 10, 1999

Date Surveyed _____ LMP

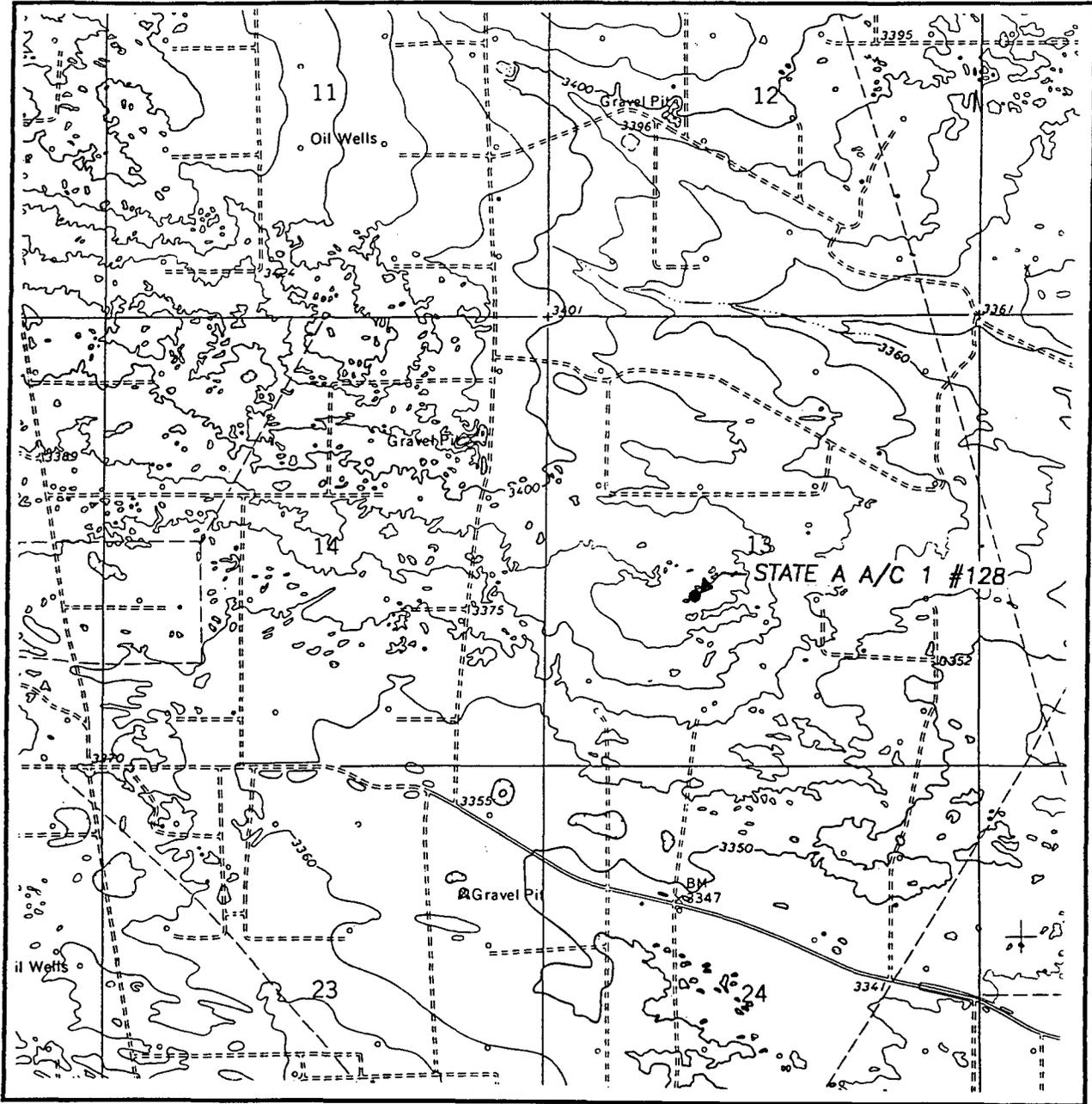
Signature & Seal of Professional Surveyor

Ronald J. Edson 12-14-99

99-11-1014

Certificate No. RONALD J. EDSON 3239
GARY EDSON 12841
MACON McDONALD 12165

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
RATTLESNAKE CANYON, N.M. - 10'

SEC. 13 TWP. 23-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1980' FSL & 1830' FWL

ELEVATION 3391

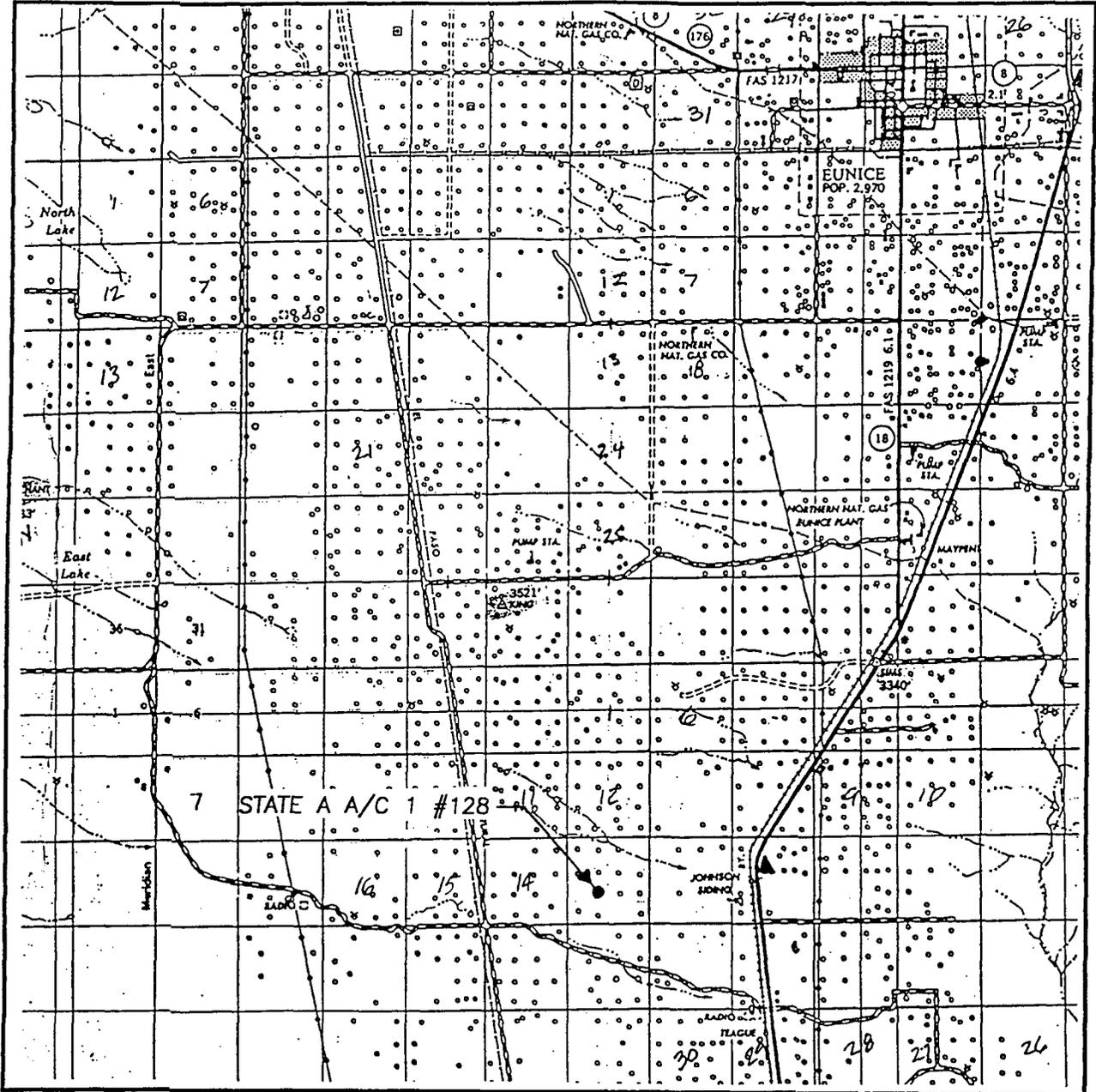
OPERATOR RAPTOR RESOURCES, INC.

LEASE STATE A A/C 1

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

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

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 13 TWP. 23-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1980' FSL & 1830' FWL

ELEVATION 3391

OPERATOR RAPTOR RESOURCES, INC.

LEASE STATE A A/C 1

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

Proposed Well Plan
State "A" A/C 1, Well # 128
1980' FSL & 1830' FWL, Sec. 13, T 23S, R 36E, Unit Ltr 'K', Lea Co.

1. Drill 12 ¼" 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 3800'.
4. Run 5 ½" 15.5# casing to 3800' cement W/ 490 sx cement with additives to surface.
5. Perforate the Queen formation from 3500' to 3700'
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 1 # 128

Location: 1980' FSL & 1830' FWL, Sec.13, T 23S, R 36E, Unit Ltr 'K', 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

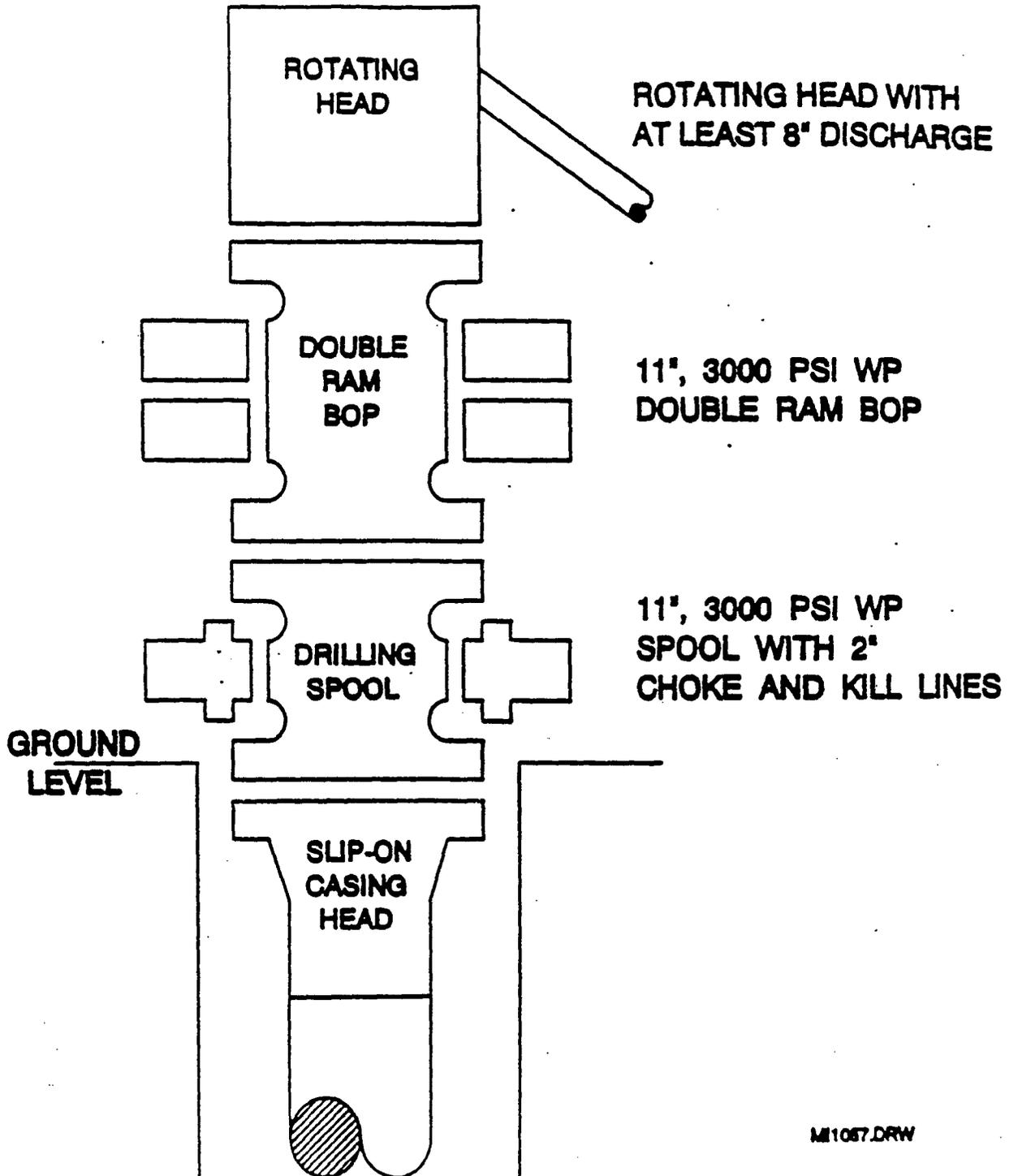
Tail: 100 sacks Class C Mixed at 14.8 ppg
Additives: 2% CACL2

Production

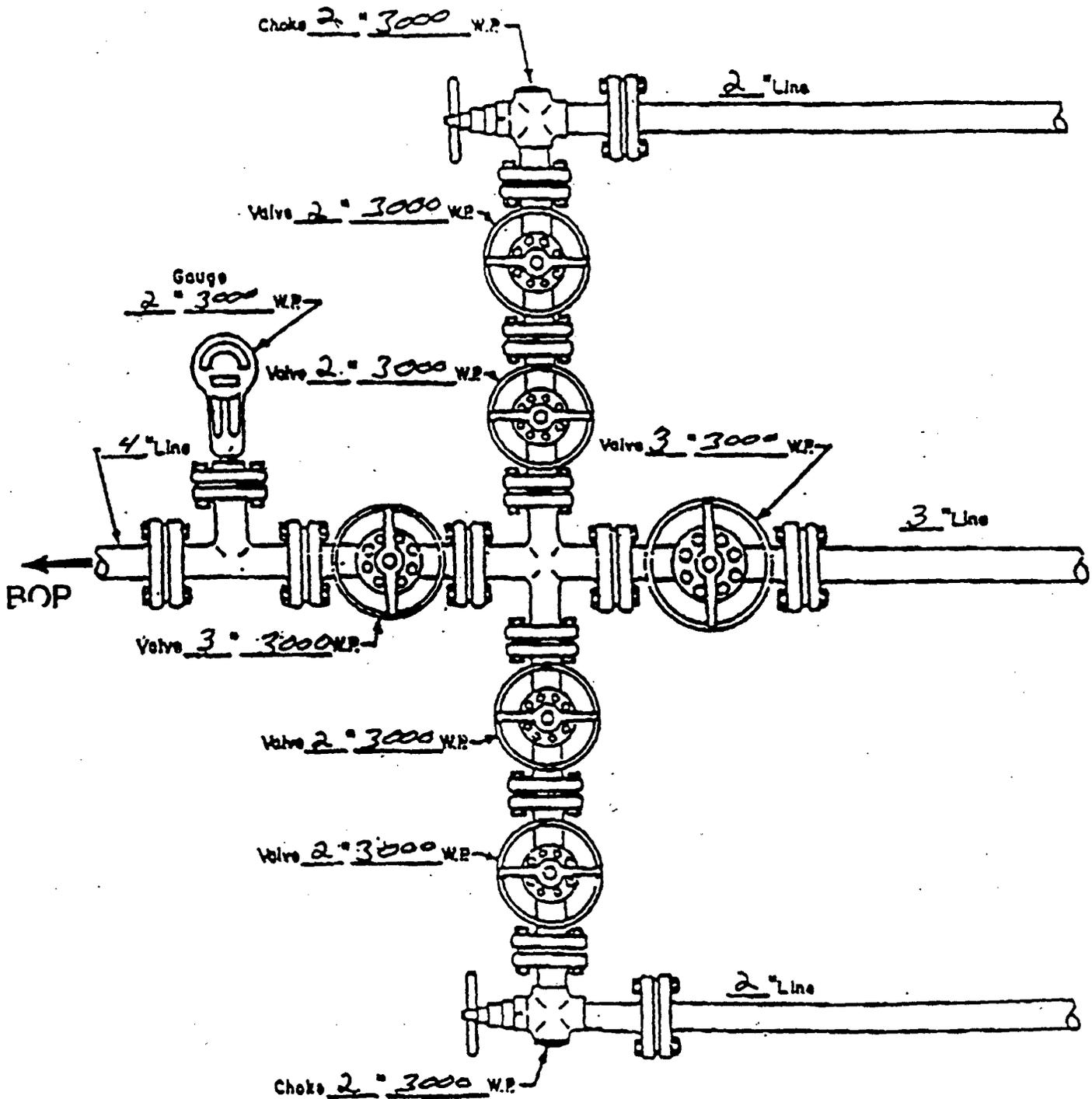
Lead: 390 sacks Class C Mixed at 12.4 ppg
Additives 35:65 Poz (Fly Ash) + 5% CACL2 + 6% Bentonite

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