

DATE: 6/9/00	SUSPENSE: 6/29/00	ENGINEER: MS	LOGGED: RV	FILE: 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]

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 William F. Carr Attorney 6/9/2000
 Print or Type Name Signature Title 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. 129 at a point 660 feet from the North and West Lines of Section 15, Township 23 South, Range 36 East, NMPM, Lea County, New Mexico.*

Dear Ms. Wrottenbery:

2130 FWC

Raptor Resources, Inc. hereby seeks administrative approval of an unorthodox gas well location for its State "A" A/C-1 Well No. 127 to be re-entered and completed in the Jalmat Gas Pool at location 660 feet from the North and West Lines (Unit D) of Section 15, Township 23 South, Range 36 East, NMPM, Lea County, New Mexico.

The State "A" A/C -1 Well No. 127 was spudded on February 21, 2000 and drilled at a standard oil well location to a depth of 3975 feet to test the Langlie Mattix Pool (Seven Rivers-Queen-Grayburg Pool. 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 and to simultaneously dedicated this well and the existing wells thereon to the previously approved non-standard spacing and proration unit comprised of the NW/4 of Section 14 and the N/2 of Section 15, Township 23 South, Range 23 East, NMPM, Lea County, New Mexico.

This GPU was established by Division Order No. R-9073, dated December 14, 1989 [Paragraph No. 12 of exhibit "A"] and had dedicated thereon the following three wells:

- (1) State "A" A/C-1 Well No. 28 (**API No. 30-025-09356**), located at a standard gas well location 1650 feet from the North and West lines (Unit F) of Section 14;
- (2) State "A" A/C-1 Well No. 31 (**API No. 30-025-10730**), located at a standard gas well location 1650 feet from the North line and 990 feet from the East Line (Unit H) of Section 14; and
- (3) State "A" A/C-1 Well No. 33 (**API No. 30-025-10727**), located at a standard gas well location 1650 feet from the North and West lines (Unit F) of Section 15.

By Division Administrative Order NSL-2730, dated December 7, 1989, as amended by order dated September 25, 1990, another well for this GPU, the State "A" A/C-1 Well No. 82 (**API No. 30-025-10723**), located at an unorthodox gas well location 660 feet from the North line and 1980 feet from the East line (Unit B) of Section 15 was also approved.

By Division Administrative Order NSL-2730-A, dated September 25, 1990, another well for this GPU, the State "A" A/C-1 Well No. 102 (**API No. 30-025-20971**), located at an unorthodox gas well location 660 feet from the North and West lines (Unit D) of Section 15 was also approved.

By Division Administrative Order NSL-2730-B, dated June 26, 1991, the following three described wells located at unorthodox gas well locations were approved for this GPU:

- (1) State "A" A/C-1 Well No. 59 (**API No. 30-025-10725**), located 1980 feet from the North line and 660 feet from the West line (Unit E) of Section 15;
- (2) State "A" A/C-1 Well No. 79 (**API No. 30-025-10712**), located 1980 feet from the North line and 660 feet from the West line (Unit E) of Section 14; and

- (3) State "A" A/C-1 Well No. 80 (API No. 30-025-10724), located 1980 feet from the North and East lines (Unit G) of Section 15.

By Division Administrative Order NSL-2730-C(SD), dated October 25, 1999, the following two described wells located at unorthodox gas well locations were approved for this GPU:

- (1) State "A" A/C-1 Well No. 90 (API No. 30-025-10722), located 660 feet from the North line and 990 feet from the East line (Unit A) of Section 15; and
- (2) State "A" A/C-1 Well No. 91 (API No. 30-025-10721), located 660 feet from the North line and 2310 feet from the West line (Unit C) of Section 15.

The Jalmat Gas Pool is governed by Special Pool Rules and Regulations. These rules, promulgated by Division order No. R-8170, provide for wells located on 480-acre spacing units to be located no closer than 990 feet from the outer boundary of GPU.

Attached hereto as Exhibit A is a plat which shows the subject 480-acre spacing unit comprised of the NW/4 of Section 14 and the N/2 of Section 15 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.

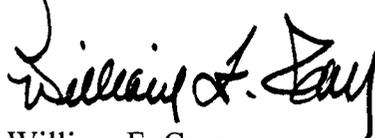
Exhibit D lists the parties affected by this application. A copy of this application, including a copy of the plat described above has been sent to these affected parties by certified mail-return receipt requested in accordance with Rule 1207 (A)(5) advising them that if they have an objection to this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

Raptor Resources, Inc.
Application for Administrative Approval of
Unorthodox Well Locations and Simultaneous Dedication
June 9, 2000
Page 4

A draft order in hard copy and computer disc, approving this application is enclosed for your consideration.

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

Oil Conservation Division-Hobbs

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

Form C-102

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 30-025-34877		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 129
7 OGRID No. 162791		8 Operator Name Raptor Resources			9 Elevation 3420

10 Surface Location

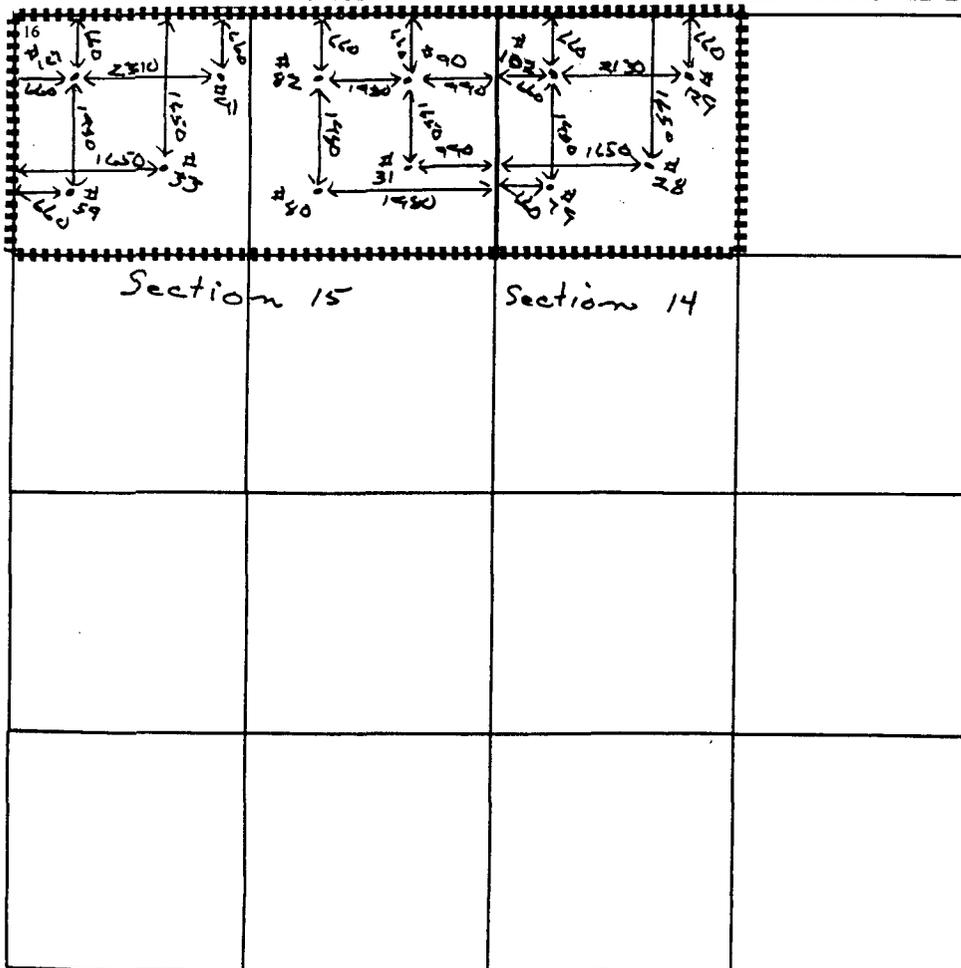
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	14	23S	36E		660	North	2130	West	Lea

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 480	13 Joint or Infill	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
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 Nos. 127 and 129

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

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

Section 14: NW/4 and Section 15: N/2

WELL NAME	Well No	Status	API No.	Sec/Twp/Rg/UL	Footage from Lease
State "A" A/C 1	102	P	30-025-20971	14 23S 36 E D	660' FNL & 660' FWL
State "A" A/C 1	79	P	30-025-10712	14 23S 36 E E	1980' FNL & 660' FWL
State "A" A/C 1	28	P	30-025-09356	14 23S 36 E F	1650' FNL & 1650' FWL
State "A" A/C 1	129	P	30-025-24877	14 23S 36 E C	660' FNL & 2130' FWL
State "A" A/C 1	90	P	30-025-10722	15 23S 36 E A	660' FNL & 990' FEL
State "A" A/C 1	82	P	30-025-10723	15 23S 36 E B	660' FNL & 1980' FEL
State "A" A/C 1	91	P	30-025-10721	15 23S 36 E C	660' FNL & 2310' FWL
State "A" A/C 1	59	P	30-025-10725	15 23S 36 E E	1980' FNL & 660' FWL
State "A" A/C 1	33	P	30-025-10727	15 23S 36 E F	1650' FNL & 1650' FWL
State "A" A/C 1	80	P	30-025-10724	15 23S 36 E G	1980' FNL & 1980' FEL
State "A" A/C 1	31	P	30-025-10730	15 23S 36 E H	1650' FNL & 990' FEL
State "A" A/C 1	127	P	30-025-34680	15 23S 36 E D	660' FNL & 660' FWL

State "A" A/C 1 # 129
Section 14, T-23S, R-36E, C
API # 30-025-34877
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

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

Primal Energy Corp
211 Highland Cross
Houston, TX 77073

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

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.

DISTRICT 1
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.
30-025-34680

5. Indicate Type of Lease
STATE 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 Gas Well OTHER

2. Name of Operator
Raptor Resources, Inc.

8. Well No.
127

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 D 660 Feet From The North Line and 660 Feet From The West Line
Section 15 Township 23S Range 36E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3420

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>Spud & set Surface Casing</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.

2/21/00 Spud 12 1/4" hole @ 12:30 pm. Drill to a depth of 610'. GIH W/ 13 jts 8 5/8" 24# casing set @ 610'. Cement W/ 140 sx Class" + 2% CaCl + 1/4 sx CelloFlake + 6% Bentonite gel. Tail W/ 100 sx Class 'C' + 2% CaCl, circulate 34 sks to pit. WOC Continue drilling 7 7/8" hole to total depth.

13. 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 egulatory Agent for Raptor DATE 2/29/00
TYPE OR PRINT NAME Bill R. Keathly TELEPHONE NO. 915-697-1609

(this space for State Use)

APPROVED BY Chris Williams TITLE DISTRICT 1 SUPERVISOR DATE MAR 13 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 II 1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-025-34680

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

8. Well No. 127

9. Pool name or Wildcat Langlie Mattix 7 Rvrs-Q-Grayburg {37240}

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.

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

4. Well Location Unit Letter D 660 Feet From The North Line and 660 Feet From The West Line Section 15 Township 23S Range 36E NMPM Lea County

10. Elevaoun (Show whether DF, RKB, RT, GR, etc.) 3420

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 Set Production Csg [X]

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.

2-29-00 Drill 7 7/8" hole to total depth of 3975'. GIH W/ 90 jts 5 1/2" 15.5# casing set @ 3975'. Cement csg W/ 650 sx Class 'C' 50/50 POZ W/ 5% NaCl + 10% Bentonite gel + 1/4E sx Cello Flake. Tail cement 300 sx Class 'C' 50/50 POZ + .2% CD-32 + .6% FL-62 + 2% Bentonite gel, circulated 147 sx. Plug down @ 2:45 pm on 2-29-00.

3-1-00 Release Rig. Waiting on completion unit.

12. 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 2/29/00 TYPE OR PRINT NAME Bill R. Keathly TELEPHONE NO. 915-697-1609

(this space for State Use) APPROVED BY [Signature] TITLE DISTRICT 1 SUPERVISOR DATE MAR 20 2000

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

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 30-025-34680
Property Code 24669	Property Name State 'A' A/C 1	Well No. 127

' Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	23S	36E		660	North	660	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 3900'	" Cable/Rotary R 18 Formation Queen	" Lease type Code S 19 Contractor Capstar Drlg.	14 Ground Level Elevation 3420 20 Spud Date 9-1-99
---	---	--	--	---

siing and Cement Program

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

Inside Langlie Mattix 7 Rvrs-Q-GB

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

De zo

Standard Location

1 OPER. OGRID NO. 162791

2 PROPERTY NO. 24669

3 POOL CODE 37240

4 EFF. DATE 8-24-99

API NO. 30-025-34680

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.		OIL CONSERVATION DIVISION	
Signature: <i>Bill R. Keathly</i>		Approved by: <i>Chris Williams</i>	
Printed name: Bill R. Keathly		Title: DISTRICT 1 SUPERVISOR	
Title: R regulatory Agent for Raptor		Approval Date: AUG 26 1999	Expiration Date:
Date: 8-19-99	Phone: (915) 697-1609	Conditions of Approval: Attached	

DISTRICT I
P.O. Box 1988, Hobbs, NM 88241-1988

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 88, Artesia, NM 88211-0719

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

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

AMENDED REPORT

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34680	Pool Code 37240	Pool Name Langlie Matting 7 Rvrs. & Grayburg
Property Code 24667	Property Name STATE "A" A/C 1	Well Number 127
OGRID No. 162791	Operator Name RAPTOR RESOURCES INC.	Elevation 3420

Surface Location

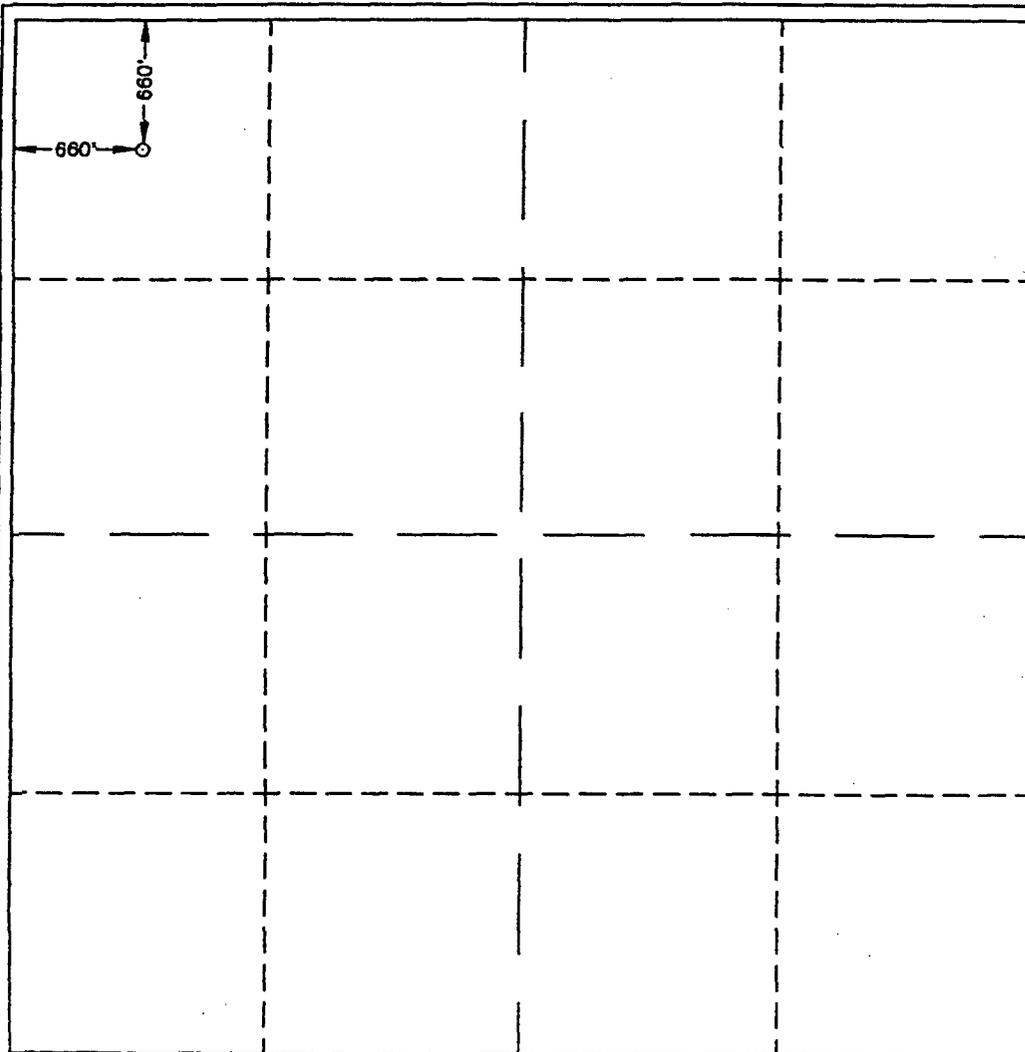
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	23 S	36 E		660	NORTH	660	WEST	LEA

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 - Raptor
Title

8-14-99
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.

JUNE 11, 1999

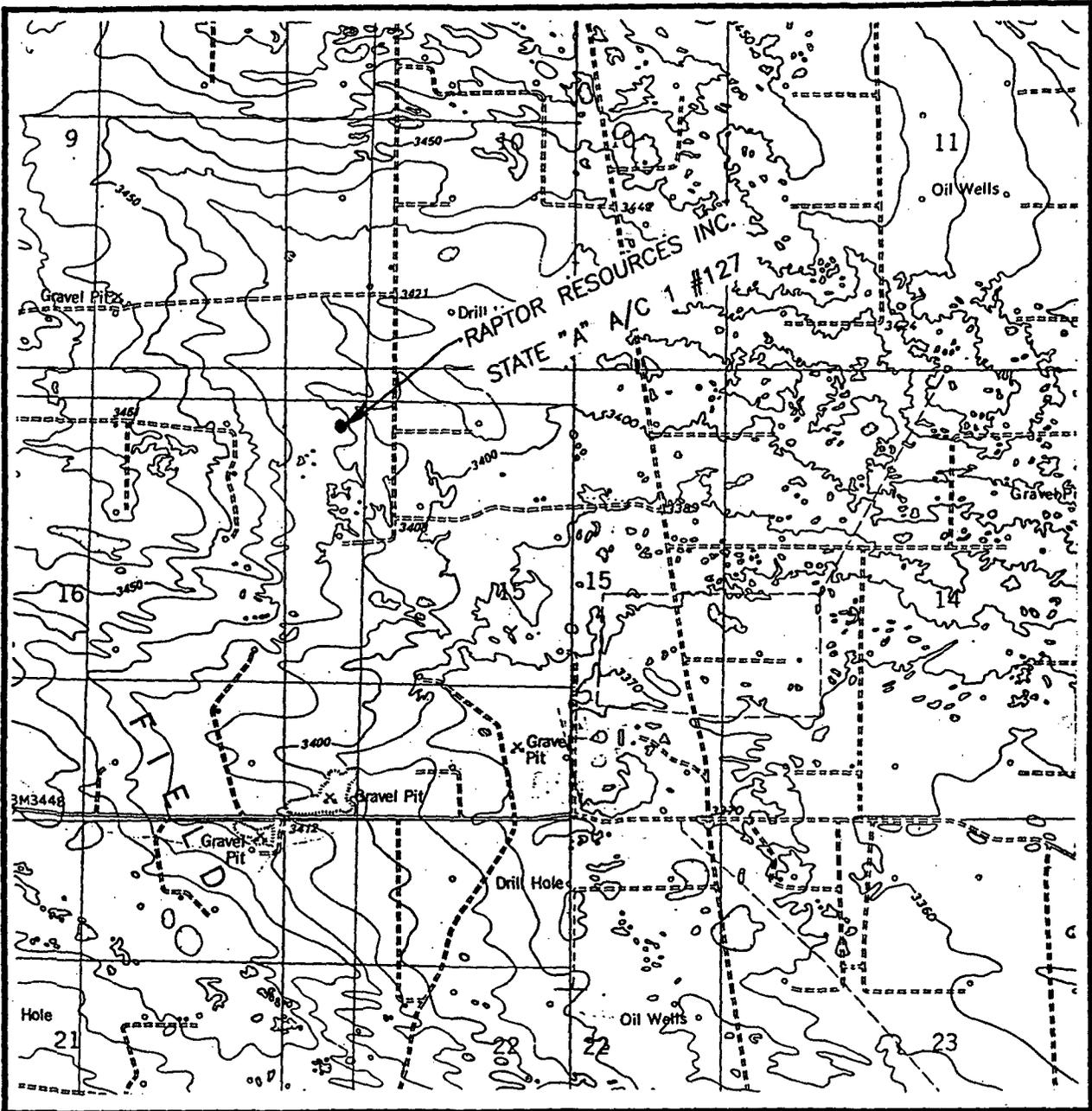
Date Surveyed JLP

Signature
Professional Surveyor

Ronald J. Eidson
3289
NEW MEXICO
NEW O. Num 99-718-0510

Certificate No. RONALD J. EIDSON, 3289
GARY G. EIDSON, 12841
McDONALD, 12183

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL - 10'

SEC. 15 TWP. 23-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 660' FNL & 660' FWL

ELEVATION 3420'

OPERATOR RAPTOR RESOURCES INC.

LEASE STATE "A" A/C 1

**JOHN WEST SURVEYING
HOBBS, NEW MEXICO**

(505) 393-3117

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

Proposed Well Plan

State "A" A/C 1, Well # 127

660' FNL & 660' FWL, Sec. 15, T 23S, R 36E, Unit Ltr 'D', 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 3600' 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 1 # 127

Location: 660' FNL & 660' FWL, Sec. 15, T 23S, R 36E, Unit Ltr 'D', 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

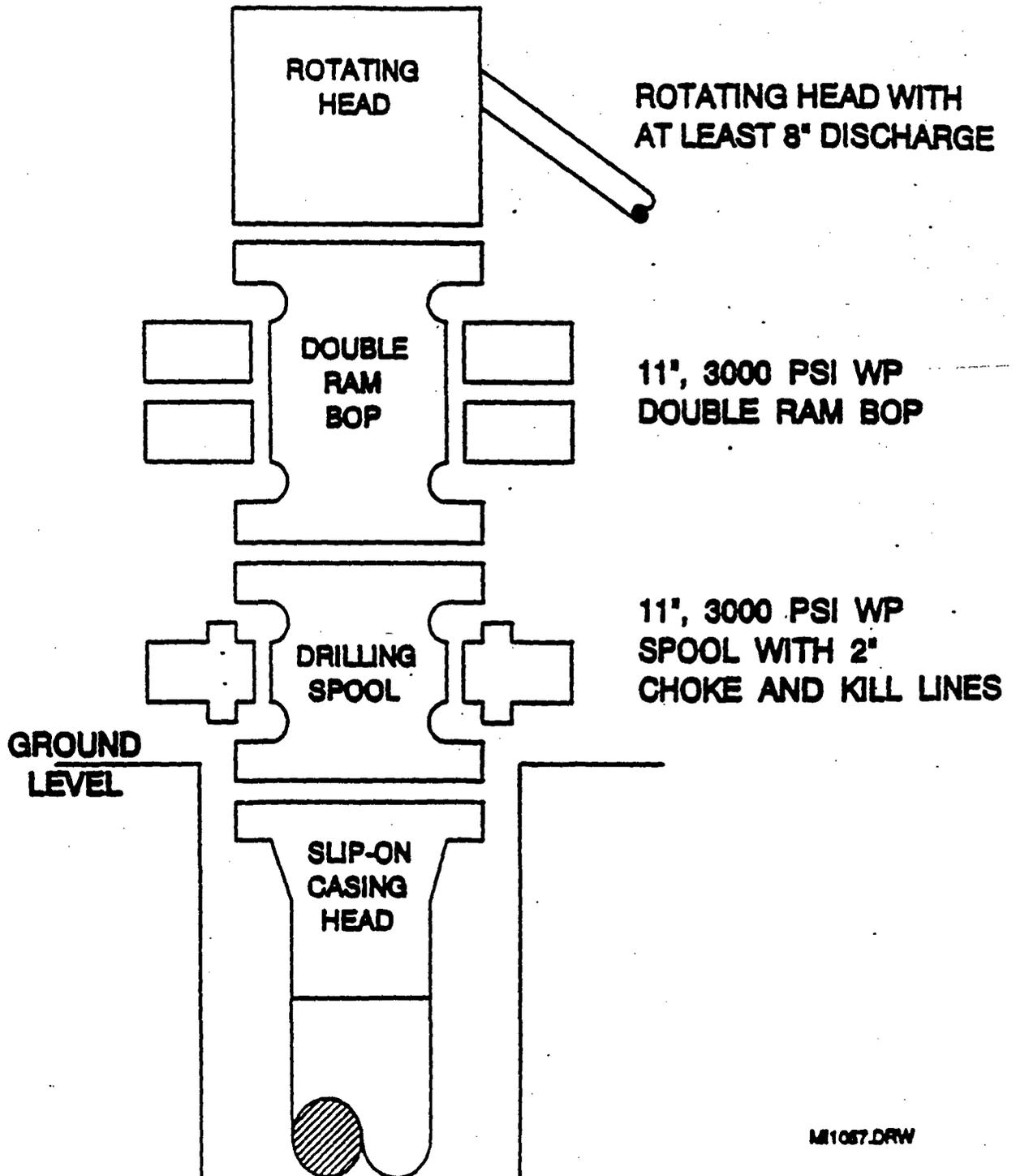
Lead: 390 sacks Class C Mixed at 12.4 ppg

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

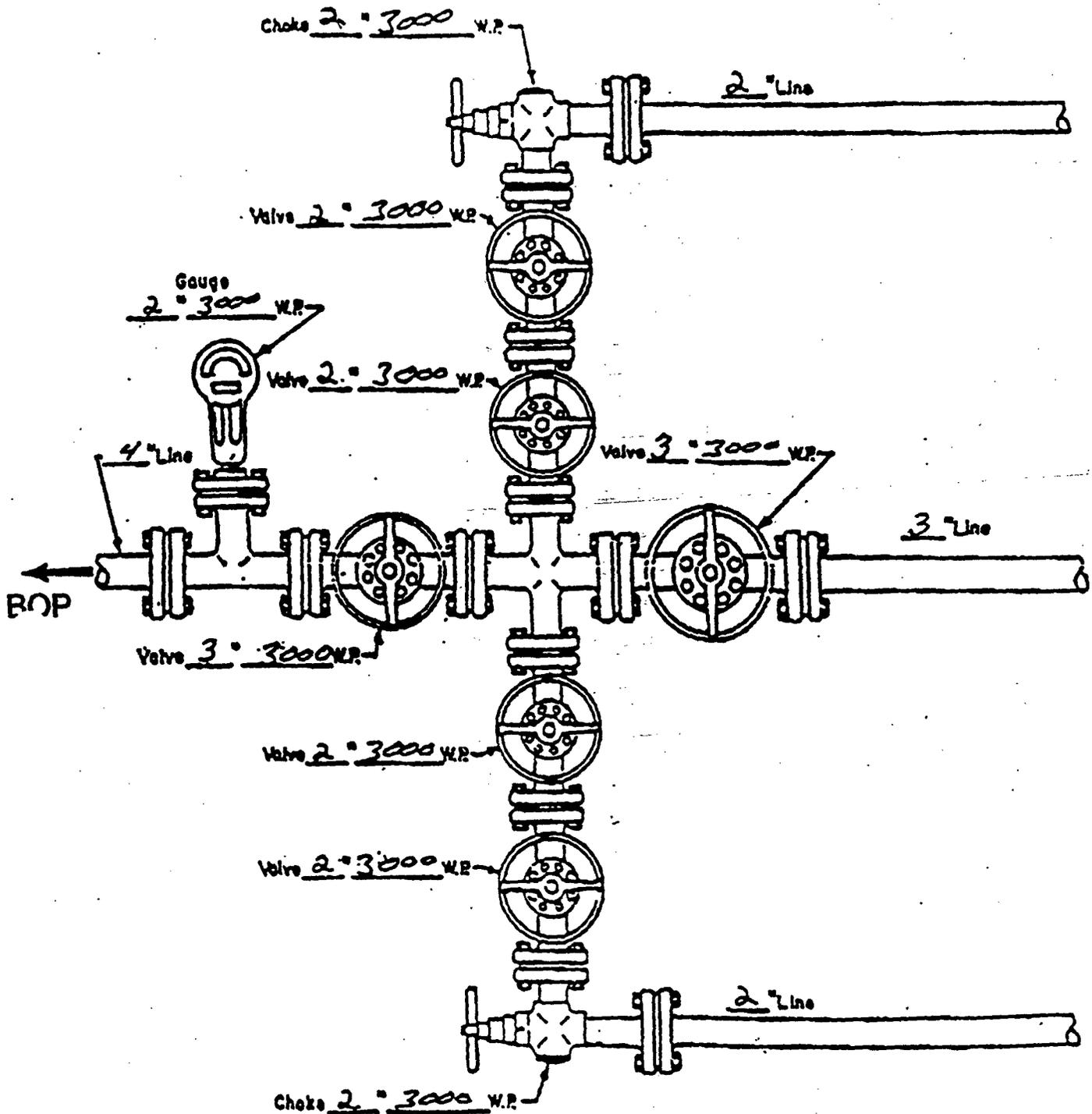
Tail: 100 sacks Class C Mixed at 14.8 ppg

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

BOP SPECIFICATIONS



CHOKE MANIFOLD DIAGRAM



MANIFOLD
3000 #W.P.

- Manual
- Hydraulic