

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

5. LEASE DESIGNATION AND SERIAL NO.
NM-10561

6. IF INDIAN, ALLOTTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Big Field #5

9. APT Well No.
30-045-30182

10. FIELD AND POOL, OR WILDCAT
Harper Hill FrSd/PC EXT

11. SEC., T., R., M., OR BLK
AND SURVEY OR AREA
Sec. 10-T30N-R14W
I

12. COUNTY OR PARISH
San Juan

13. STATE
NM

2. Name of Operator

Dugan Production Corp.

3. Address and Telephone No.

P.O. Box 420, Farmington, NM 87499 (505) 325-1821

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 1555' FSL & 960' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approx. 4 mi NW of Intersection of Hwy #170 & SJCRd #6480

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

960'

16. NO. OF ACRES IN LEASE

1,397.16

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160 SE/4

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

Approx 800'
from DPC
BigField #1

19. PROPOSED DEPTH

1910'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 6128'

22. APPROX. DATE WORK WILL START*
ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADES, SIZES OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-7/8"	7"	20#	120'	50 sx (59 cu.ft.) circ. to surf.
6-1/4"	4 1/2"	10.5#	1910'	175 sx(307 cu.ft.) circ. to surf.

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

Plan to drill a 9-7/8" hole and set 120' of 7" OD, 20#, J-55 surface casing; then plan to drill a 6 1/4" hole to total depth with gel-water-mud program to test the Fruitland Sand/Pictured Cliffs Formation. Plan to run IES and CDL logs. If determined productive, will run 4 1/2", 10.5#, J-55 casing, selectively perforate, frac, clean out after frac and complete well.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Title Vice-President

Date 3/3/2000

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

Approved by /s/ Charlie Beecham

Title

Date

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

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-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

1 API Number 30-045-30182		2 Pool Code 78160		3 Pool Name Harper Hill Fruitland Sand/PC		
4 Property Code 003591		5 Property Name Big Field			6 Well Number 5	
7 OGRID No. 006515		8 Operator Name Dugan Production Corporation			9 Elevation 6128'	

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
	10	30N	14W	1	1555	South	960	East	San Juan

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 160584	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

16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Sherman E. Dugan Printed Name Vice-President Title March 3, 2000 Date	
Section 10				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. February 8, 2000 Date of Survey Signature and Seal of Professional Surveyor Edgar L. RISE 5979 Edgar L. Certificate Number	

WELLHEAD EQUIPMENT:

Huber 7" x 4-1/2" casing head, 1000#WP, tested to 2000#

Huber 4-1/2" x 2-7/8" tubing head, 1000# WP, tested to 2000#

BOP and Related Equipment will include for a 2000 psi system:

No abnormal pressures or hazardous zones are anticipated.

Annual preventer, double ram, or 2 rams with one being blind and one being a pipe ram

Kill line (2" minimum)

1 kill line valve (2" minimum)

1 choke line valve

2 chokes

Upper kelly cock valve with handle available

Safety valve and subs to fit all drill string connections in use

Pressure gauge on choke manifold

2" minimum choke line

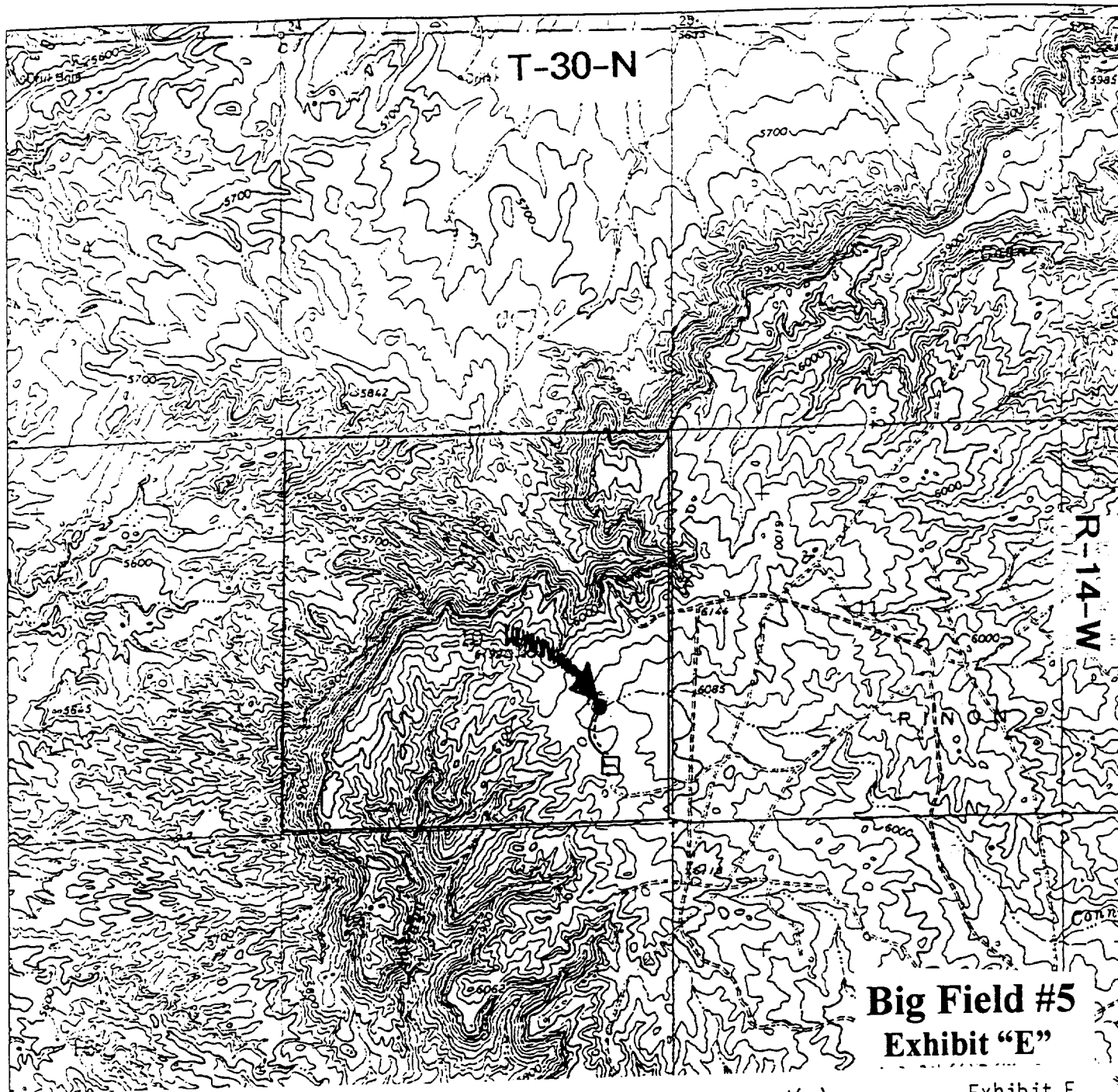
Fill-up line above the uppermost preventer

BOP equipment will be tested as required in Section III A.1 of Onshore Order 2, plus a 30% safety factor.

The anticipated bottom hole pressure for this well is estimated to be approximately 520 psi.

The average mud weight is anticipated to be in the range of 8.6 to 9.5 lb/gal.

Dugan Prod.Corp. Office & Radio Dispatch:	325-1821
Kurt Fagrelus	325-4327
John Alexander 325-6927	Mark Brown 327-3632
Sherman Dugan 327-3121	John Roe 326-1034



Big Field #5 Exhibit "E"

Existing Roads

Exhibit E

Vicinity of nearest town or reference pt.
Approx 4 mi NW of Intersection of Hwy #170
and SJ Co Rd #6480

Type of surface dirt

Conditions good

Other _____

Reference map: USGS map Youngs Lake, NM

Planned Access Road(s)

Exhibit E

Width 20' Maximum grades 5%
 Drainage design as required
 Cuts & Fills as required
 Surfacing material none
☐ Turnouts ☐ Waterbars
☐ Culverts
☐ Gates
☐ Cattleguards
☐ Fence cuts

Access Road &
Pipeline

Access road(s) ☒ do not cross ☒ Fed/Ind land.



dugan production corp.

July 20, 2000

New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410



Re: Dugan Production Corp.
Big Field #5
API #30 045 30182
Unit I, Sec. 10, T30N, R14W
San Juan County, New Mexico

Gentlemen:

Below are the deviations reported by the drilling contractor for the subject well:

1/4° @ 500'
1/4° @ 1000'
1/2° @ 1500'
1° @ 1910'

Sincerely,

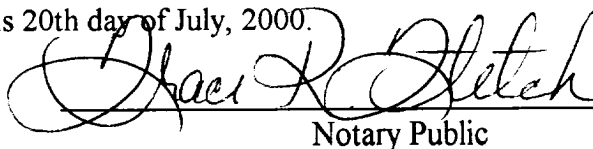


John Alexander
Vice-President

JA/tmf

State of New Mexico)
County of San Juan)^{ss}

Subscribed and sworn to before me this 20th day of July, 2000.


Notary Public

My Commission Expires: 9/8/01