

N.M. OIL CONSERVATION COMMISSION
P.O. BOX 1980 UNITED STATES
HOBBS, NEW MEXICO 88240
DEPARTMENT OF THE INTERIOR

OFFICE FOR NUMBER
OF COPIES VIRED
(Other instructions on
reverse side)

BLM Roswell District
Modified Form No.
NDSO-3160-2

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

B. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Conoco, Inc.

3a. Area Code & Phone No.

(915) 686-6548

3. ADDRESS OF OPERATOR

10 Desta Dr. Ste 100W, Midland, TX 79705

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

1650' FNL & 990' FWL

At proposed prod. zone

1650' FNL & 990' FWL

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

10. DISTANCE FROM PROPOSED*

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

16. NO. OF ACRES IN LEASE

13. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

15. PROPOSED DEPTH

3750'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

600

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DV, RT, GL, etc.)

3550'

22. APPROX. DATE WORK WILL START*

7/1/94

23. PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	K-55	ST&C	420'	325 circ.
7-7/8"	5-1/2"	15-1/2#	K-55	LT&C	3750'	850 circ.

It is proposed to drill this Eumont gas Well according to the drilling plan submitted in the following attachments:

1. Surveyor's C-102 showing well location
2. C-102 showing acreage dedication and offset wells
3. Proposed Well Plan Outline
4. Casing & Cementing Program
5. Surface Use Plan
6. EXHIBIT A: Vicinity Road Map
7. EXHIBIT B.1: Topo & Lease Road Map
8. EXHIBIT B.2: Proposed & Offset Well Locations Map
9. EXHIBIT C: New Access Road Plat
10. EXHIBIT D: Rig Layout Plat
11. BOP & Choke Manifold Diagrams
12. H2S Drilling Operations Plan & Diagram

OPER. OGRID NO. 5073

PROPERTY NO. 2999

POOL CODE 76480

EFF. DATE 6-24-94

API NO. 30-D25-32553

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described above and as covered by BLM Bond File No. ES-0085.

IN ANY SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 Sr. Conservation Coordinator DATE 5/18/94

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

AREA MANAGER

APPROVED BY

(ORIG. SGD.) RICHARD L. MANUS

TITLE

NON-STANDARD ... SUBJECT TO
LOCATION & LIKE APPROVAL
PRORATION BY STATE
UNIT ...

*See Instructions On Reverse Side

DATE JUN 21 1994
APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

District I
PO Box 1988, Hobbs, NM 88241-1988
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 10, 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		Pool Code 22800		Pool Name Eumant Yates 7 Rivers Queen	
Property Code 002999		Property Name Britt B			Well Number 30
OGRID No. 005073		Operator Name Conoco, Inc.			Elevation 3550'

10 Surface Location

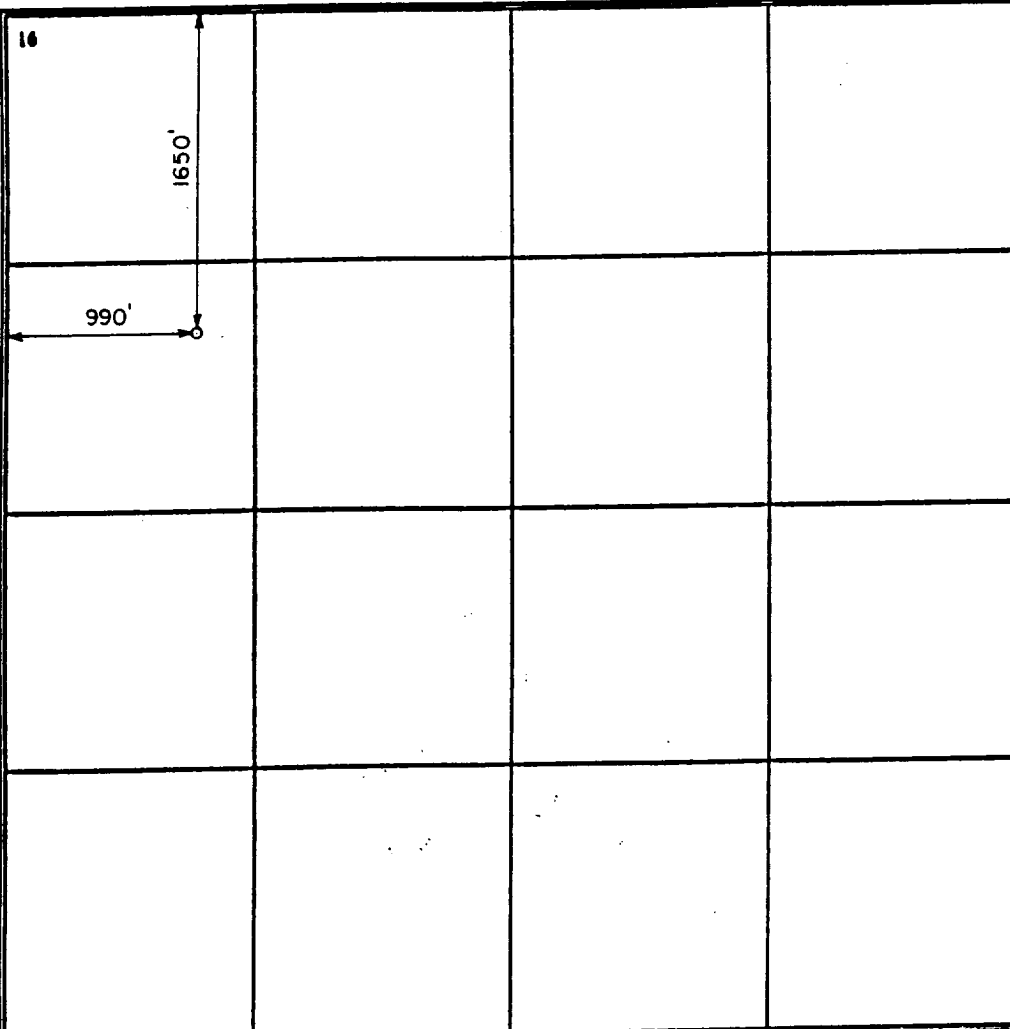
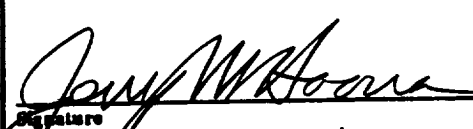

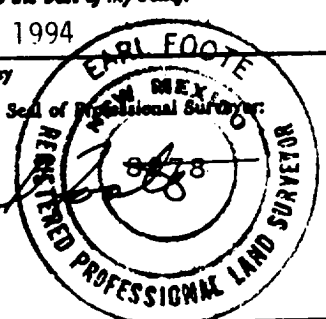
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	15	20-S	37-E		1650	North	990	West	Lea

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

Dedicated Acres 600	Joint or Infill	Consolidation Code	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.  Signature Jerry W. Hoover Printed Name Sr. Conservation Coordinator Title 5/18/94 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. May 5, 1994 Date of Survey  Signature and Seal of Professional Surveyor:  Certificate Number 8278

District I
PO Box 1908, Hobbs, NM 88241-1908
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Bravo 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

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12 Dedicated Acres 600	13 Joint or Infill	14 Consolidation Code	15 Order No. NA
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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

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PROPOSED WELL PLAN OUTLINE

WELL NAME **BRITT B-30**

LOCATION **1650' FNL 990' FWL SEC 15 T-20S R-37E**

TVD IN 1000'	MD	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE DEPTH	FRAC GRAD	FORMATION PRESSURE GRADIENT	MUD WT TYPE	DAYS
0					12-1/4"	420'			Fresh Spn	
		Red Beds	Swelling in red beds from surface			5-5/8" 24# K33 STC Circulate to surface				
1		Anhydrite 1300	Salt Section washout	H2S ON AT 1500'		325 SXS			Saturated brine 10 ppg	
2					7-1/8"					
		B/Salt 2500 Yates 2660'	Lost circulation to TD							
3		7-River 2910' Queen 3430'								
		Grayberg 3740'	Stuck bit							
4		TD 3750'		TD - B/SALT DLLMS/FL/GR/CAL CNL/FDC/GR/CAL		3750' 5-1/2" 15.5# K35 LTC Circulate to surface 150 SXS			Gel & Starch at TD for logging FL @ 10 pp 10.0 ppg	
		est. BHP: 200 psi								
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

DATE **MAY 1994**

APPROVED **D.W. EUBANK**
DRILLING ENGINEER

WELL NAME: BRITT B NO. 30

LOCATION : 1650' FNL 990' FWL S-15 T-20S R-37E Lea Co.

Casing Program

Surface 8-5/8 inch in 12-1/4 hole at 420 ft.
Inter inch in hole at ft.
Prod 5-1/2 inch in 7-7/8 hole at 3800 ft.

Cementing Program

Surface

Lead 225 sxs Class C Mixed at 13.7 ppg
Additives 4% Gel 2% CaCl
Tail 100 sxs Class C Mixed at 14.8 ppg
Additives 2% CaCl

Intermediate (first stage)

Lead sxs Class Mixed at ppg
Additives
Tail sxs Class Mixed at ppg
Additives
Percent free water Water loss cc

(second stage)

Lead sxs Class Mixed at ppg
Additives
Tail sxs Class Mixed at ppg
Additives
Percent free water Water loss cc

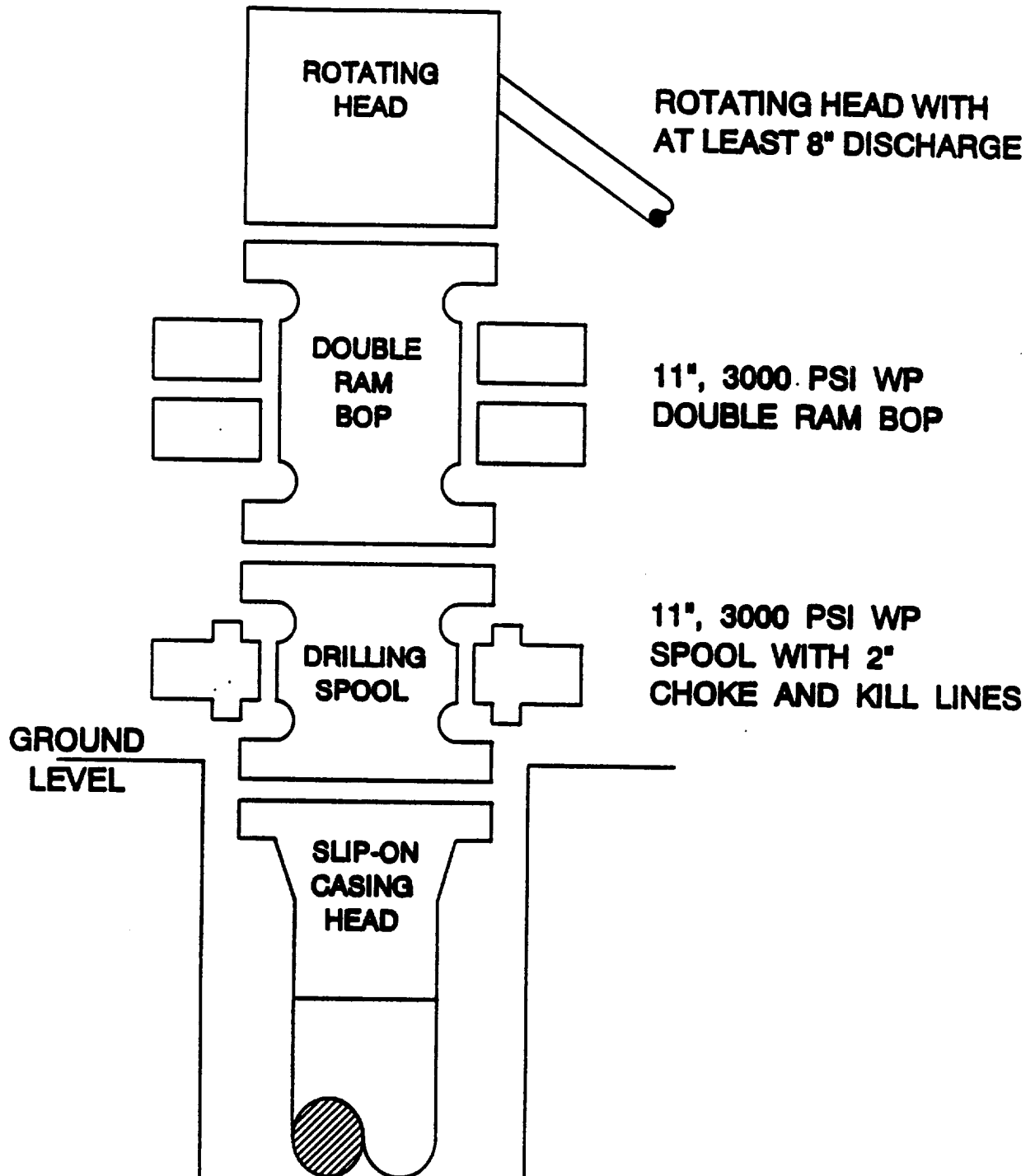
Production (first stage)

Lead 500 sxs Class C Mixed at 12.7 ppg
Additives 5 pps salt 65:35:6
Tail 350 sxs Class C Mixed at 14.6 ppg
Additives 1.1% FloBlock 0.2% SMS
Percent free water Water loss cc

(second stage)

Lead sxs Class Mixed at ppg
Additives
Tail sxs Class Mixed at ppg
Additives
Percent free water Water loss cc

BOP SPECIFICATIONS



Final 20

Final 20

Final 20
16/1/20