

Form 3160
(July 1989)
(Formerly 9-1100DS)

N.M. OIL & GAS
DRILLER'S LOG
NEW MEXICO
SUBMITTAL DATES
08/21/94

CONTACT RECEIVING
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(Other instructions on
reverse side)

BLM Roswell District
Modified Form No.
NM60-3160-2

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

2. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

3. 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

660' FNL & 2130' FEL

At proposed prod. zone

660' FNL & 2130' FEL

Unit B(2)

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

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

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

19. PROPOSED DEPTH

3670'

20. ROTARY OR CABLE TOOLS

Rotary

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

3342'

Capitan Controlled Water Basin

22. APPROX. DATE WORK WILL START*

2/27/95

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'	350 circ.
7-7/8"	5-1/2"	15-1/2#	K-55	LT&C	3670'	850 circ.

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

1. C-102 showing acreage dedication and offset wells
2. Proposed Well Plan Outline
3. Surface Use Plan
4. EXHIBIT A.1: Vicinity road map
5. EXHIBIT A.2: Lease map
6. EXHIBIT B: Topo & Lease Road Map
7. EXHIBIT C: Rig Layout Plat
8. BOP & Choke Manifold Diagrams
9. H2S Drilling Operations Plan & Diagram
10. Letter verifying negotiations with fee surface owner

OPER. OGRID NO. 5223

PROPERTY NO. 3119

POOL CODE 74240

EFF. DATE 2/2/95

API NO. 30-025-32348

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 CASE 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

Jerry M. Hoover

TITLE

Sr. Conservation Coordinator

DATE 12/21/94

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Is/ Yolanda Vega

TITLE

AREA MANAGER
Acting

DATE

1/30/95

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brason Rd., Asteo, 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 32-125-32-34-3	² Pool Code 33820	³ Pool Name Jalmat Tansill Yates 7 Rvrs
⁴ Property Code 005121 3119	⁵ Property Name VAUGHAN B-1	⁶ Well Number 10
⁷ GRID No. 005073	⁸ Operator Name CONOCO INC.	⁹ Elevation 3342

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	1	24-S	36-E		660	NORTH	2130	EAST	LEA

¹¹Bottom 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 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

¹⁶ 320-Acre NSPU established by Order R-4909 * ⁶	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 12/21/94 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 best of my belief. Date of Survey 9-23-94 Signature and Seal of Professional Surveyor Earl Foote 8278 Certificate Number 8278	

RECEIVED

U.S. HOUSE
OFFICE

PROPOSED WELL PLAN OUTLINE

WELL NAME **VAUGHAN B-1 No. 10**
 LOCATION **2130' FEL 660' FNL SEC 1, T-24S, R-36E**

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'			Spud	
		Red Beds	Swelling in red beds from surface			8-5/8" 24# K55 STC Circulate to surface 350 SX			Saturated brine 10 ppg	
1		Anhydrite 1180' T/Salt 1280'	Salt Section washout	H2S ON AT 1500'	7-7/8"					
2		B/Salt 2740' Yates 2850'	Lost circulation to TD							
3		7-Rivers 3100'								
		QUEEN 3500'	Struck logs						Use minimal paper and LCM	
4		TD 3670'		TD - B/SALT DLL/MSFL/GR/CAL CNL/FDC/GR/CAL (Run GR/CAL to surf 1st run)		3670'			Gel & Starch at TD	
						5-1/2" 15.5# K55 LTC Circulate to surface 850 SX			for logging FL @ 10 cc 10.0 ppg	
5										
6										
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16										

DATE DECEMBER 1994

APPROVED B.E. GOODWIN
 DRILLING ENGINEER

WELL NAME: Vaughan B-1 No. 10

LOCATION : 2130' FEL 660' FNL Sec 1, T-24S, R-36E

Casing Program

Surface 8-5/8 inch in 12-1/4" hole at 420 ft.

Prod 5-1/2 inch in 7-7/8" hole at 3670 ft.

Cementing Program

Surface

Lead 250 sxs Class C Mixed at 13.7 ppg

Additives 4% Gel + 2% A7P

Tail 100 sxs Class C Mixed at 14.8 ppg

Additives 2% A7P

Production (first stage)

Lead 500 sxs Class C-Lite Mixed at 12.7 ppg

Additives 65:35:6 with 5PPS Salt + .2% SMS

Tail 350 sxs Class C Mixed at 14.6 ppg

Additives 1.1% Flo-Bloc + .2% SMS

Percent free water 0 Water loss 50 cc

ANTICIPATED DRILLING TIME: 6 Days

ANTICIPATED BOTTOM HOLE PRESSURE: 250 psi

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ED HOBBS
OFFICE

BOP SPECIFICATIONS

