

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 30400
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Enron Oil & Gas Company		7. UNIT AGREEMENT NAME
3. ADDRESS AND TELEPHONE NO. P. O. Box 2267, Midland, Texas 79702		8. FARM OR LEASE NAME WELL NO. Hallwood 12 Federal #9
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1830' FNL & 1650' FWL At proposed prod. zone Same		9. API WELL NO.
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 29 miles west from Jal, NM		10. FIELD AND POOL, OR WILDCAT Red Hills Bone Spring
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1650 330	16. NO. OF ACRES IN LEASE 640	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 12, T25S, R33E
13. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2023'	17. NO. OF ACRES ASSIGNED TO THIS WELL 80	12. COUNTY OR PARISH 13. STATE Lea NM
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3394' GR	20. ROTARY OR CABLE TOOLS Rotary	22. APPROX. DATE WORK WILL START* 10-28-94

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14-3/4	42# H-40 A ST&C	42#	650	250 sx CIRCULATED
11	J-55 ST&C	24# & 32#	5200	1100 sx CIRCULATED
7-7/8	P-110 ST&C	17#	12600	1200 sx est TOC @ 4500'

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on leased land or portions thereof as shown below:

NM 30400
Sec 12, T25S, R33E
Bone Spring Formation
Federal Bond # MT 0748 with endorsement to New Mexico

Acreage is dedicated to a pipeline.

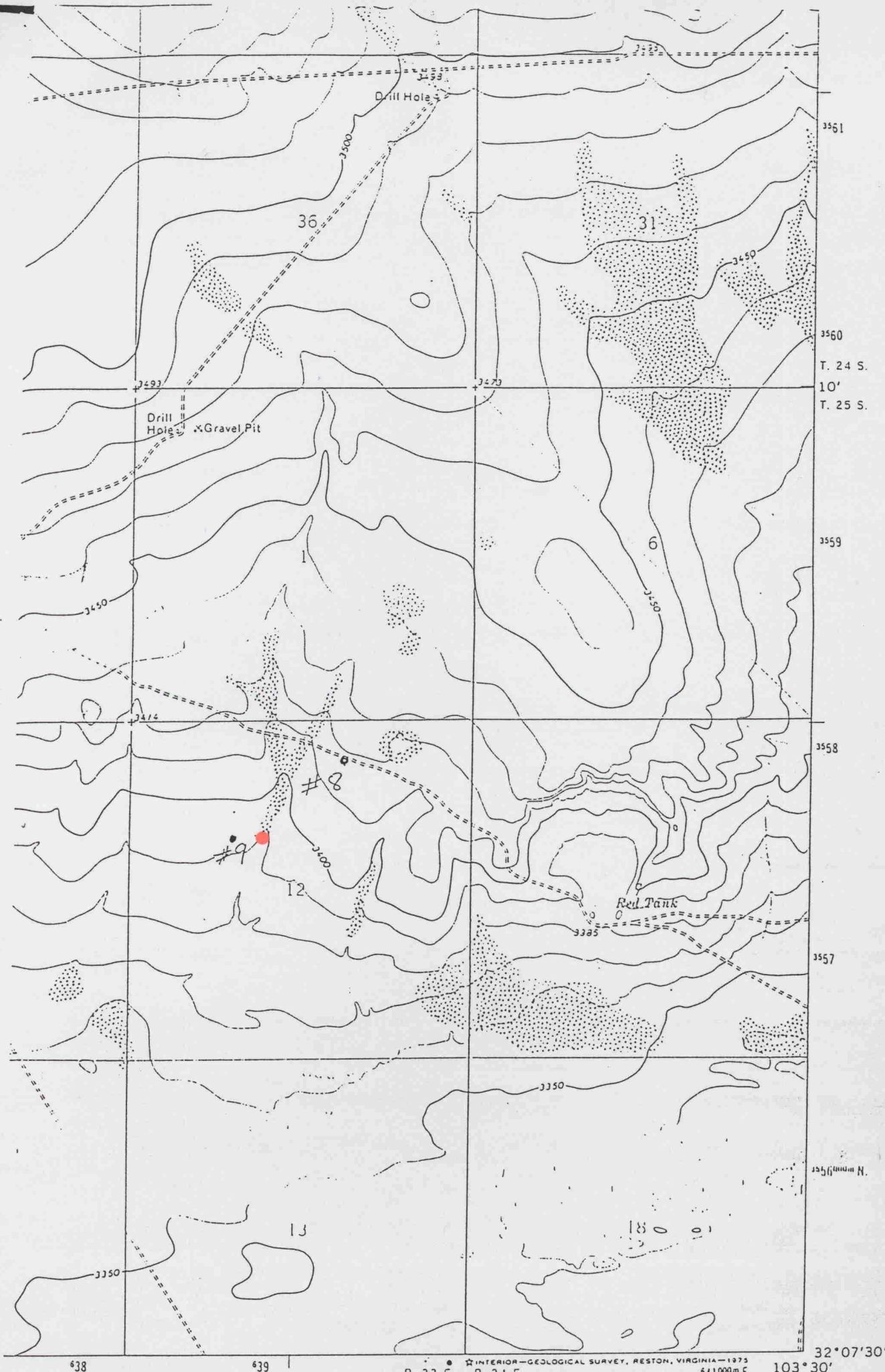
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program,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

24. SIGNED Betty Gildon Betty Gildon TITLE Regulatory Analyst DATE 9/29/94
(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 _____ TITLE _____ DATE _____

*See Instructions On Reverse Side



TOPOGRAPHIC LAND SURVEYORS
 908 WEST WALL
 MIDLAND, TEXAS 79701
 682-1653



QUADRANGLE LOCATION

INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1975
 R. 33 E. R. 34 E. 641000m E. 103°30'

ROAD CLASSIFICATION

Primary highway, hard surface	—————	Light-duty road, hard or improved surface	=====
Secondary highway, hard surface	—————	Unimproved road	=====
Interstate Route	()	U. S. Route	()
		State Route	()

5348 III SW
 (ANDREWS
 PLACE)

N3207.5-W10330/7.5

1973

AMS 5248 II NE-SERIES V881

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	² Pool Code 51020	³ Pool Name Red Hills Bone Spring
⁴ Property Code	⁵ Property Name HALLWOOD "12" FEDERAL	⁶ Well Number 9
⁷ OGRED No. 7377	⁸ Operator Name ENRON OIL AND GAS COMPANY	⁹ Elevation 3394

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	12	25-S	33-E		1830	NORTH	1650	WEST	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 80	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	1830'			¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Betty Gildon Signature BETTY GILDON Printed Name Regulatory Analyst Title 9/15/94 Date
1650'				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. 9-12-94 Date of Survey Signature and Seal of Professional Surveyor: Earl Foote 8278 Certificate Number 8278

**BEFORE THE
OIL CONSERVATION DIVISION**
Santa Fe, New Mexico

Case No. 11125 Exhibit No. 1

Submitted by: Enron Oil & Gas Company

Hearing Date: October 27, 1994

Hearing Date: October 27, 1994

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

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EXHIBIT HAS
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AND IS LOCATED
IN THE NEXT FILE

ENRON OIL & GAS COMPANY

Hallwood "12" Federal No. 9

Unorthodox Location Hearing

Comparison of Volumetric Recoveries for
Select Locations within the 80 acre Dedication Unit

Location	Net Ft. Pay	EUR (MBO)	Loss from Best Orthodox Loc.
2,130' FWL	19	74.2	--
1,650' FWL	12	46.9	27.3
810' FWL	5	19.5	54.7

Reservoir and Fluid Properties used in Volumetric Calculations.

Porosity12.5%

Oil Saturation60.0%

Recovery Factor15%

Drainage Area80 acres

Formation Volume Factor.....1.787

ROIP48.8 BO/acre-ft.

BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 11125 Exhibit No. 5

Submitted by: Enron Oil & Gas Company

Hearing Date: October 27, 1994