Form 3160-3 (November 1983) (formerly 9-331C)

Drawer DD Artesia, NM & 20210

a words graditions.

SUBMIT IN T.

CICATE. (Other instructions on reverse side)

30-015- 26617 Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

UNITED STATES DEPARTMENT OF THE INTERIOR

5. LEASE DESIGNATION AND SERIAL NO.

	LC 029395-B							
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. NAME OF OPERATOR			/		4338	Turner "B"		
	AVON ENERGY COR	PORATION /				9. WELL NO.		
. ADDRESS OF OPERATOR	310 West Wall,	Suite 915		18M 1 / 104		100		
1	Midland, Texas eport location clearly and	79701	h 0	JAN 16 91		10. FIELD AND POOL, O	K-K-G-51	
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DISTANCE FROM PROPULOCATION TO NEAREST	•		16. NO	. OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL		
PROPERTY OR LEASE L (Also to nearest drig	, unit line, if any)	50'		786.15	40			
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SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO		SETTING DEPTH		QUANTITY OF CEMENT		
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PERMIT NO.	greed on Military in its	, KIND		AREA MANAGER		. 11	- 12 1	
APPROVED BY	IPAT TA		LE	CARLSEAD RESOURCE	ARCA		_7/	
COMAPPROVALPISUS GENERAL REQU SPECIAL STIPU ATTACHED	JIREMENTS AND	*See Instru	ctions.	On Reverse Side				

Submitto Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico irgy, Minerals and Natural Resources Departm.

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

Operator			All	Uistances must be		boundanes	or the section		
1 -					Lease		_	_	Wall No.
Avon Energy Corporation			Turne	er "B"	Federal	l	100		
Unit Letter	Section		Township		Range			County	
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Actual Footage Lox	cation of	Well:			 			11,141 1	
150	feet fi	om the Sc	uth	line and		50	fact (_{rom the} Wes	t
Ground level Elev.	1	Produ	ing Formation	inc and	Pool		1001 1	iom use	Dedicated Acreage:
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	oc the ac			well by colored par	cil or bachum n	Grayburg-Jackson cil or hachure mirks on the plat below.			40 Acres
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	Yes	ec-pooning,		f answer is "yes" ty	ne of consolidati	on.			
If answe		list the own	ers and tract desc	riptions which have	actually been o	onsolidated	(Use myerse sid	le of	
this form	n if necc	ssary.							
No allov	vable wil	l be assigne	d to the well until	all interests have b	cen consolidated	(by commu	nitization, unitiz	ation, forced-poc	oling, or otherwise)
or until a	non-sta	ndard unit,	eliminating such i	nterest, has been ap	proved by the D	ivision.	•		,,
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PERTINENT INFORMATION

For

AVON ENERGY CORPORATION No.100 Turner "B" SWSW Sec.20-17S-31E Eddy County, N.M.

LOCATED: 4.9 air miles east of

Loco Hills, New Mexico

FEDERAL LEASE NUMBER: LC 029395-B

LEASE ISSUED: June 13, 1934 - HBP

ACRES IN LEASE: 1786.15 Ac.

RECORD LESSEE: Atlantic Richfield Company

BOND COVERAGE: Statewide Bond of Avon Energy

Corporation pending

AUTHORITY TO OPERATE: Assignment of Operating Rights

SURFACE OWNERSHIP: Federal

GRAZING PERMITTEE: Williams & Son Cattle Co.

Box 30

Maljamar, New Mexico 88264

Phone 505-676-2293

POOL RULES: General Oil Rules - 40 Ac. Spacing

EXHIBITS: A. Lease and Contour Map

B. Road and Well Map

C. Rig Layout
D. BOP Diagram

SUPPLEMENTAL DRILLING DATA

AVON ENERGY CORPORATION No.100 Turner "B" SWSW Sec.20-17S-31E Eddy County, N.M.

LC 029395-B

The following items supplement Form 3160-3 in accordance with instructions contained in Onshore Oil and Gas Order No.1:

- 1. SURFACE FORMATION: Recent
- 2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler	600'	Queen	2525'
Salt	700 '	Grayburg	2930'
Yates	1500'	San Andres	3350'
Seven Rivers	1700 '		

3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATION:

Water - Possible groundwater from 0' to 300'

Oil - 2000' to TD

Gas - None anticipated

4. PROPOSED CASING PROGRAM:

8-5/8" Casing - Set 600' of 24#, J-55, Surface Casing

5-1/2" Casing - Set 3500' of 15.5#, K-55, Production Casing

Both strings of casing will be satisfactorily tested to 1000 psi.

5. PRESSURE CONTROL EQUIPMENT: Install a 2M, Series 600, Type

"E" Shaffer Double Hydraulic BOP on the 8-5/8" surface
casing prior to drilling into the Queen. Due to depleted
nature of the reservoir, it is requested that a waiver be
granted to test pressure control equipment to 1000 psi.
using rig pump, instead of the normal 2000 psi. test.

Exhibit D is a diagrammatic sketch of the BOP equipment.

- 6. CIRCULATING MEDIUM: Drill with fresh water from surface to setting depth of surface casing. Drill remainder of hole with brine water, using additives to control water loss, viscosity and mud weight.
- 7. AUXILIARY EQUIPMENT: Equipment will include pit level monitor, a full-opening safety valve and a gas detector..
- 8. TESTING, LOGGING AND CORING PROGRAM:

Samples: Samples will be caught at 10' intervals from

below the surface casing to total depth.

DST and Cores: None anticipated

Logging: Density-Neutron log

Gamma Ray-Neutron log

Mud Log

9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE:

No abnormal pressures or temperatures anticipated.

Precautions will be taken to monitor possible traces hydrogen sulfide gas in the Grayburg.

10. ANTICIPATED STARTING DATE: Drilling will commence upon Federal and State approval. Drilling and completion will require about 30 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

AVON ENERGY CORPORATION No.100 Turner "B" SWSW Sec.20-17S-31E Eddy County, N.M.

LC 029395-B

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a road map showing the location of the proposed well as staked. The well is approximately 4.9 miles east of Loco Hills, New Mexico.
- B. <u>Directions</u>: Go east from Loco Hills, N.M. on U.S. 82 a distance of 5.1 miles. Go south on lease road for 0.2 mile. Turn west and to 700' to new access road. Go 500' southwest to drillsite.

2. PLANNED ACCESS ROAD:

- A. Length and Width: The new road will be about 500' long and about 14' wide.
- B. Surfacing Material: The new road and well pad will be surfaced with 6" of caliche.
- C. Maximum Grade: Less than 3%
- D. <u>Turnouts</u>: No traffic turnouts are necessary.
- E. <u>Drainage Design</u>: The road will be constructed with a 6" crown and appropriate water turnouts to provide proper drainage.
- F. Culverts: None necessary

- G. Cuts and Fills: Construction of the drill pad will require leveling of 3' sand dunes.
- H. Gates, Cattle Guards: None necessary

3. LOCATION OF EXISTING WELLS:

A. See Exhibit B

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. Temporary production and storage facilities will be located on the well pad.
- B. An application for permanent flow lines will be filed at a later date, if the well is commercial.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. Water for drilling and completion will be obtained from a commercial source and trucked over existing roads.

6. SOURCE OF CONSTRUCTION MATERIALS:

A. Caliche for surfacing the road and pad will be purchased from a Federal pit located in the SESW Sec.20-17S-31E. Topsoil will be stock-piled at the edge of the location for rehabilitation.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
- C. Water produced during test will be disposed of in the drilling pits. Oil produced during test will be stored in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, waste paper, garbage, and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "C".

F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

A. None required

9. WELL SITE LAYOUT:

- A. The wellsite, surrounded by a 400' X 400' area has been surveyed and flagged.
- B. Dimensions and relative location of the drill pad and pit are shown on Exhibit C.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. If the well is non-productive the disturbed area will be rehabilitated to surface owner requirements and will be accomplished as expeditously as possible.

11. OTHER INFORMATION:

- A. Topography: The wellsite and access road are located in the Querecho Plains. The project area drains to the west toward Cedar Lake Draw. Dry arroyos are located on the south side of the drillsite.
- B. <u>Soil</u>: The surface soil is fine sand with caliche and chert inclusions.
- C. Flora and Fauna: Vegetation consists of mesquite, sagebrush, yucca, and various weeds and grasses. Ground cover is about 15%. Wildlife in the area is that typical of semi-arid desert land, such as coyotes, rodents, reptiles and birds.
- D. Ponds or Streams: None

- E. Residences and Other Structures: A Power line located on the south side of the drillsite will not be disturbed.
- F. Archaeological, Historical and Other Cultural Sites:
 A review by Archaeological Services Consultants determined that no cultural resources will be disturbed by this operation.
- G. Land Use: The surface is used for cattle grazing.
- H. Surface Ownership: The drillsite and access road are on-lease Public surface. The grazing lessee is Williams & Son Cattle Company, Box 30, Maljamar, New Mexico.

12. OPERATOR'S REPRESENTATIVE:

Representative responsible for assuring compliance with the approved Surface Use Plan:

Mr. Perry L. Hughes 310 West Wall, Suite 915 Midland, Texas 79701 Phone 915-687-4338

13. CERTIFICATION:

I hereby certify that I, or person under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; that the work associated with the operations proposed herein will be performed by AVON ENERGY CORPORATION and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

December 19, 1990

Date:

JERRY W. LONG, Permit Agent for: AVON ENERGY CORPORATION AVON ENERGY CORPORATION No.100 Turner "B" SWSW Sec.20-17S-31E Eddy County, N.M.

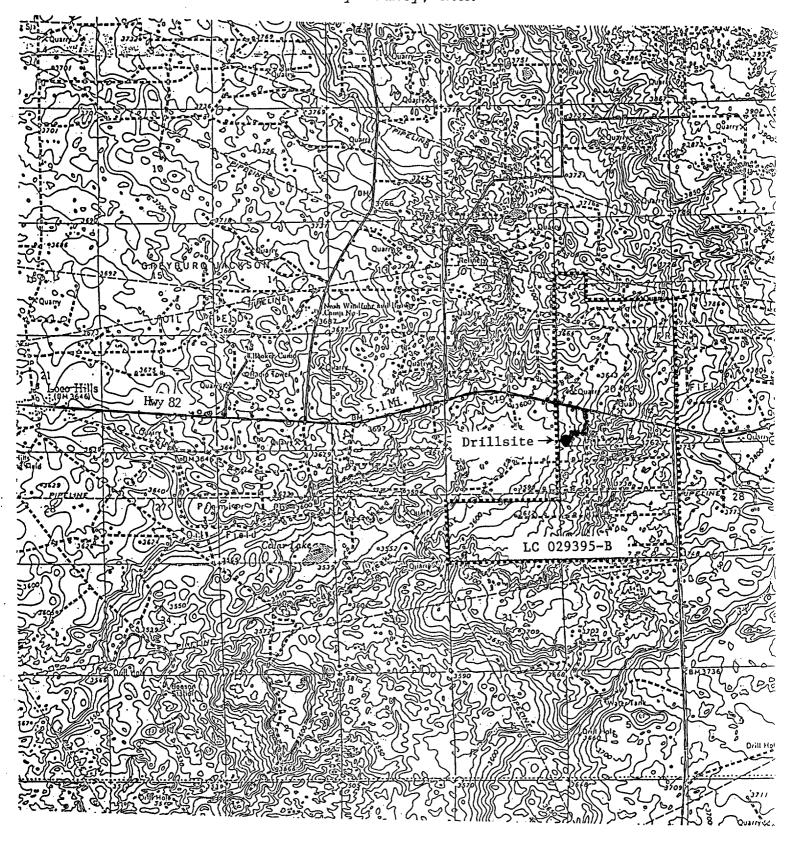
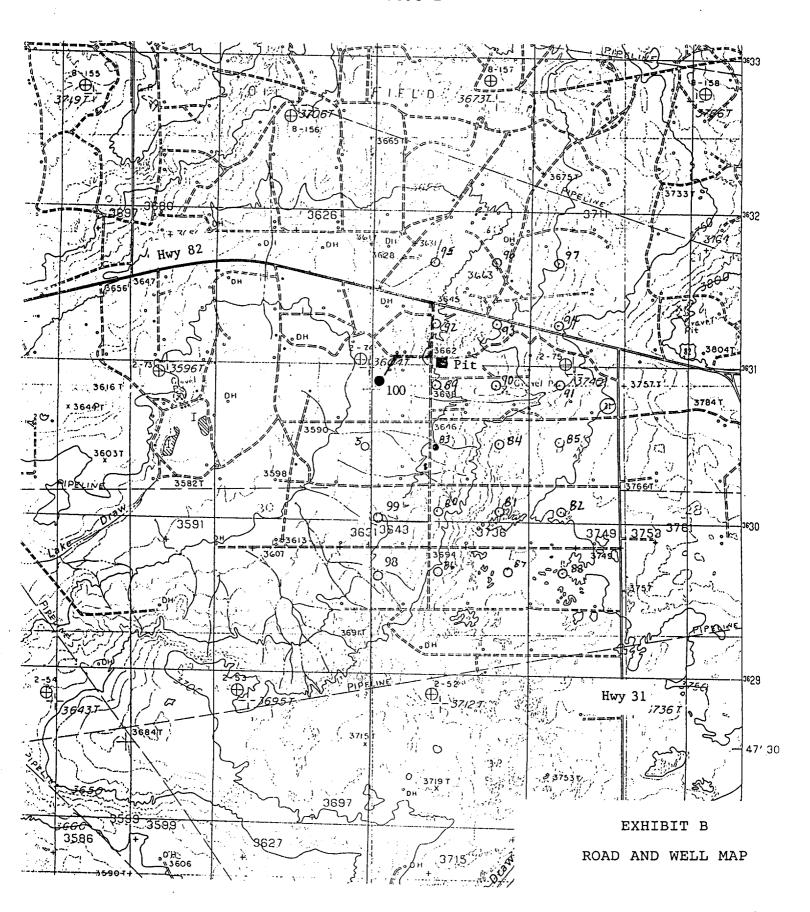


EXHIBIT A

LEASE AND CONTOUR MAP

AVON ENERGY CORPORATION No.100 Turner "B" SWSW Sec.20-17S-31E Eddy County, N.M.

LC 029395-B



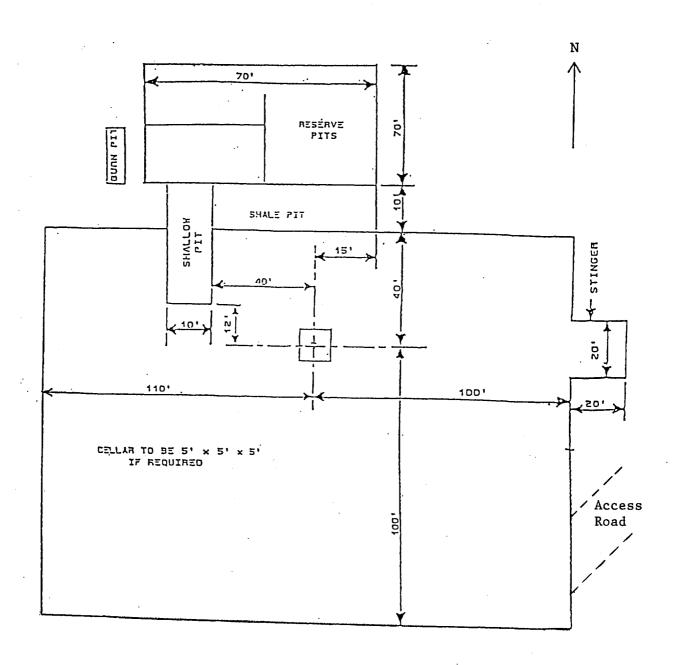
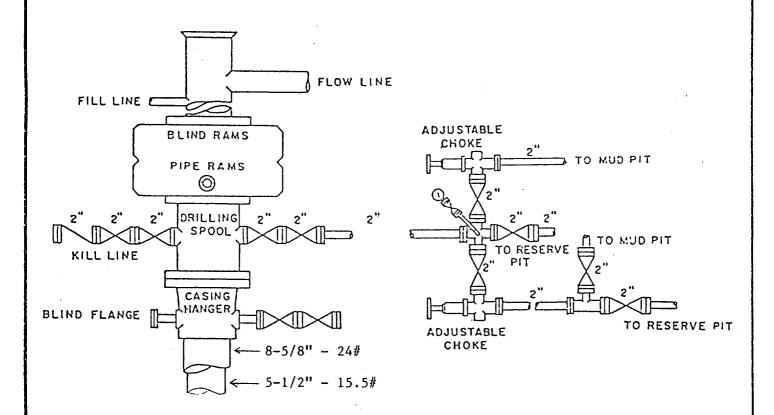


EXHIBIT C

DRILL PAD LAYOUT

AVON ENERGY CORPORATION No.100 Turner "B"



BOP DIAGRAM

2000# Working Pressure Rams Operated Daily