

NM Oil Cons. Commission

Artesia, NM 88210

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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

JAGUAR ENERGY, INC.

3. ADDRESS OF OPERATOR 2323 Bryan, Ste. 2424

Dallas, Texas 75201

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

2070' FSL, 990' FEL Sec. 4-2S-28E

At proposed prod. zone

Same

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

18 Miles South of Taiban, New Mexico

15. DISTANCE FROM PROPOSED\*

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

570'

16. NO. OF ACRES IN LEASE

4730.65

17. NO. OF ACRES ASSIGNED

320.89

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

NA

19. PROPOSED DEPTH

7200' ±

20. ROTARY OR CABLE TOOLS

Rotary

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

4224' GL

22. APPROX. DATE WORK WILL START\*

Soon As Approved

23.

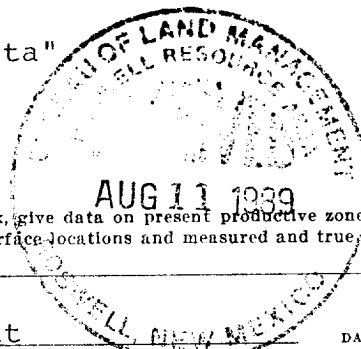
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48# H-40	350' ±	300±sx, "C", 2% CaCl <sub>2</sub> , Circ.
11"	8-5/8"	24# K-55	2200' ±	800±sx, "C", 2% CaCl <sub>2</sub> , Circ.
7-7/8"	5-1/2"	17# K-55	7200' ±	250±sx, "C", 50/50 PozMix (Sufficient to isolate porosity zones)

Propose to drill to about 7200' to test Montoya and shallower formations.

If commercial production is indicated, the well will be completed in the deepest favorable formation, by cementing production casing, selectively perforating and stimulating. Run 2-7/8" tubing and test well.

See attached "Supplemental Drilling Data"



Post ID-1  
9-22-89  
New Loc + API

IN ABOVE 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

JERRY W. LONG

TITLE

Agent

DATE

August 11, 1989

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

S/Phil Kirk

TITLE

Area Manager

DATE

SEP 13 1989

CONDITIONS OF APPROVAL, IF ANY:

PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUCTION OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT IN ADVANCE.

APPROVAL OF THIS APPLICATION 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.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any false statement or representation as to any matter within its jurisdiction.

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-102  
Revised 1-1-89

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

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

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87411

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Jaguar Energy, Inc.			Lease Colter Federal		Well No.
Unit Letter I	Section 4	Township 2 South	Range 28 East	NMPM	County De Baca
Actual Footage Location of Well: 2070 feet from the South line and 990 feet from the East line					
Ground level Elev. 4224	Producing Formation Montoya		Pool Wildcat	Dedicated Acreage: 320.89 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ Yes ☒ No If answer is "yes" type of consolidation Communitization Pending

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary. Tentative 100% Commitment

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

Lessee: Salach Ventures #11  
Operator: JAGUAR ENERGY, INC.  
Royalty: U.S.

NM 61340

Lessee: Jack A. Hudson  
Operator: JAGUAR ENERGY, INC.  
Royalty: U.S.

NM 53225



OPERATOR CERTIFICATION

I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.

Signature

Printed Name

JERRY W. LONG

Position

Agent

Company

JAGUAR ENERGY, INC.

Date

August 11, 1989

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 knowledge and belief.

Date Surveyed

July 21, 1989

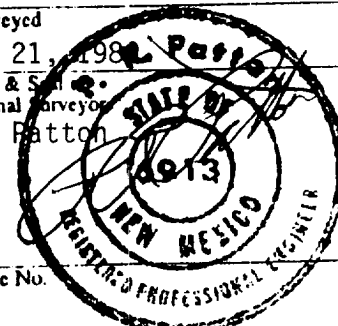
Signature & Seal

Professional Surveyor

P.R. Patton

Certificate No.

8112



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

SUPPLEMENTAL DRILLING DATA

JAGUAR ENERGY, INC.  
No.1 Colter Federal  
NE/4SE/4 Sec.4-2S-28E  
De Baca County, NM



NM 53225

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

1. SURFACE FORMATION: Quaternary

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Yates	900'	Wolfcamp	5650'
San Andres	1850'	Pennsylvanian	6300'
Glorieta	2950'	Mississippian	6900'
Abo	4900'	Montoya	7050'

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

0'- 150' - Fresh water  
150'-4900' - Brackish Water  
4900'-7200' - Possible Oil and Gas Zones

4. PROPOSED CASING PROGRAM:

13-3/8" Casing - H-40, 48# ST&C casing will be set to about 350' with cement circulated.

8-5/8" Casing - K-55, 24# ST&C casing will be set to about 2200' with cement circulated.

5-1/2" Casing - K-55, 17# casing will be set thru the producing zone and cemented to isolate all oil, gas and water zones.

Intermediate and production casing will be tested to 1000 psi.

5. PRESSURE CONTROL EQUIPMENT: Pressure control equipment will include a 3000#WP blowout preventer stack, with Series 900 blind and pipe rams. The BOP stack will include a kill line and choke manifold tested to 2000 psi. BOP hydraulic controls will be operated at least daily. A diagrammatic sketch of the BOP stack is attached as Exhibit "D".

6. CIRCULATING MEDIUM: The following mud program will be used to control pressure and circulate cuttings from the indicated intervals:

Surface to 2200': Drill with fresh water gel/lime slurry having a viscosity of 34-36 Sec.

2200' to TD: Drill with fresh water mud conditioned for control of viscosity, weight and water loss.

7. AUXILIARY EQUIPMENT: Auxiliary control equipment will include a kelly cock on the kelly joint and full opening safety valve, available on the rig floor, to fit the drill pipe in use.

8. TESTING, LOGGING AND CORING PROGRAM:

Samples: Samples will be caught at 10' intervals from 500'.

DST: A DST will be run in the Montoya if warranted.

Logging: CN-D, BHC-SONIC, DLL and other logs as determined by the well site geologist. Mud analysis unit will probably be utilized from 3000' to TD.

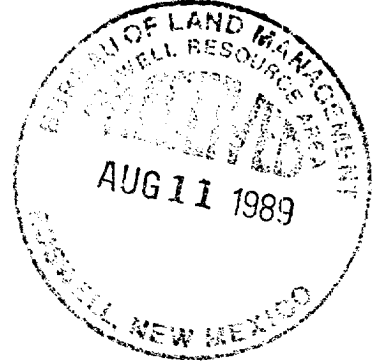
9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE:  
None anticipated.

10. ANTICIPATED STARTING DATE: Drilling will be commenced as soon as approval is obtained. Drilling and completion operations will be conducted during August and September of 1989.

PERTINENT INFORMATION

For

JAGUAR ENERGY, INC.  
No.1 Colter Federal  
NE/4SE/4 Sec.4-2S-28E  
De Baca County, NM



LOCATED: Approximately 18 miles South of  
Taiban, New Mexico

FEDERAL LEASE NUMBER: NM 53225

LEASE STATUS: Issued June 23, 1982  
10 Year Lease

ACRES IN LEASE: 4730.65 Ac.

RECORD LESSEE: Jack A. Hudson

BOND COVERAGE: \$10,000 Individual Bond of  
JAGUAR ENERGY, INC.

AUTHORITY TO OPERATE: Farm-out Agreement

SURFACE OWNERSHIP: Colter Ranch  
c/o Veta Chloe London  
Hobbs, New Mexico 88241  
Ph.505-392-6692

POOL RULES: General Rules for Deep Gas (320 Ac.)

EXHIBITS:

- A. Road Map
- B. Contour Map
- C. Rig Layout
- D. BOP Diagram
- E. Lease and Well Map
- F. Fee Surface Agreement
- G. Statement of Responsibility

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

JAGUAR ENERGY, INC.  
No.1 Colter Federal  
NE/4SE/4 Sec.4-2S-28E  
De Baca County, NM

NM 53225



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 18 miles south of Taiban, N.M.
- B. Directions: From Taiban go 15 miles south on State Road No. 252. Go 3.6 miles further south on a caliche county road. Turn west on new road and go about 1200' to the location.

2. PLANNED ACCESS ROAD:

- A. Length and Width: The road will be about 1200' long and 16' wide. The centerline of the new road has been flagged.
- B. Surfacing Material: The road and pad will be surfaced with about 6" of caliche.
- C. Maximum Grade: Maximum grade will be about 4%.
- D. Turnouts: None necessary
- E. Drainage Design: Road will have a 6" crown to provide adequate drainage.
- F. Culverts: None necessary

- G. Cuts and Fills: The road will require about 3' of cut where it crosses a sand dune. The northeast corner of the well pad will require a 4' cut in a sand dune.
- H. Gates, Cattle Guards: A cattleguard will be necessary where the road crosses a fence on the East side of Sec.4.

3. LOCATION OF EXISTING WELLS:

- A. There are no wells within a two mile radius of this well.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. There are no existing facilities. If the well is a producer, appropriate production equipment will be installed on the drill pad.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. The water for drilling will be purchased from a water well located in the SE/4 Sec.15-1N-28E, belonging to Ben Hall. The water will be trucked over existing roads.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. Caliche for surfacing the road and pad will be purchased from a pit located in the NE/4 Sec.9, owned by the Colter Ranch.

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 necessary

9. WELL SITE LAYOUT:

A. The drill pad was oriented with the pits to the South to provide ample room to lay the rig down with minimum disturbance of existing sand dunes.

B. Attachment Exhibit "C" is a diagrammatic sketch of the proposed pad and rig components.

C. Pits will be lined to prevent percolation of the fluid.

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 expeditiously as possible.

11. OTHER INFORMATION:

A. Topography: The regional slope is to the southwest with drainage into the Pecos River. The local topography is relatively level, except for sand dunes, some of which are 15 to 20 foot high.

B. Soil: The soil is sand or sandy loam.

C. Flora and Fauna: Vegetation consists of various South-western grasses, yucca, sage, cactus and snakeweed. Ground cover is about 50%. Wildlife in the area is that typical of semi-arid desert land, such as antelope, coyotes, rodents, reptiles and birds.

D. Ponds or Streams: Nearest stream is the Pecos River, which is located about 17 miles west of the location.



- E. Residences and Other Structures: The Colter Ranch house is located about 1 mile southwest. There is a water well about 1/4 mile southwest.
- F. Archaeological, Historical and Other Cultural Sites: No cultural sites were observed. A Cultural survey was conducted by Archaeological Survey Consultants.
- G. Land Use: The surface is used for cattle grazing.
- H. Surface Ownership: The surface is privately-owned, being a portion of the Colter Ranch. About 9 rods of access road will be on land owned by Monte Best.

12. OPERATOR'S REPRESENTATIVE:

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

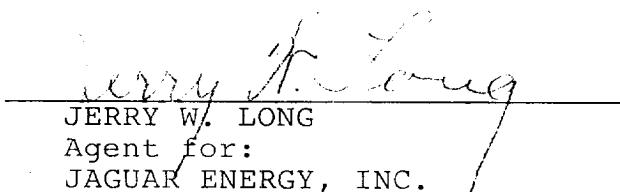
Mr. Frank O. Cox, President  
2323 Bryan, Ste. 2424  
Dallas, Texas 75201  
Phone 214-220-2424

13. CERTIFICATION:

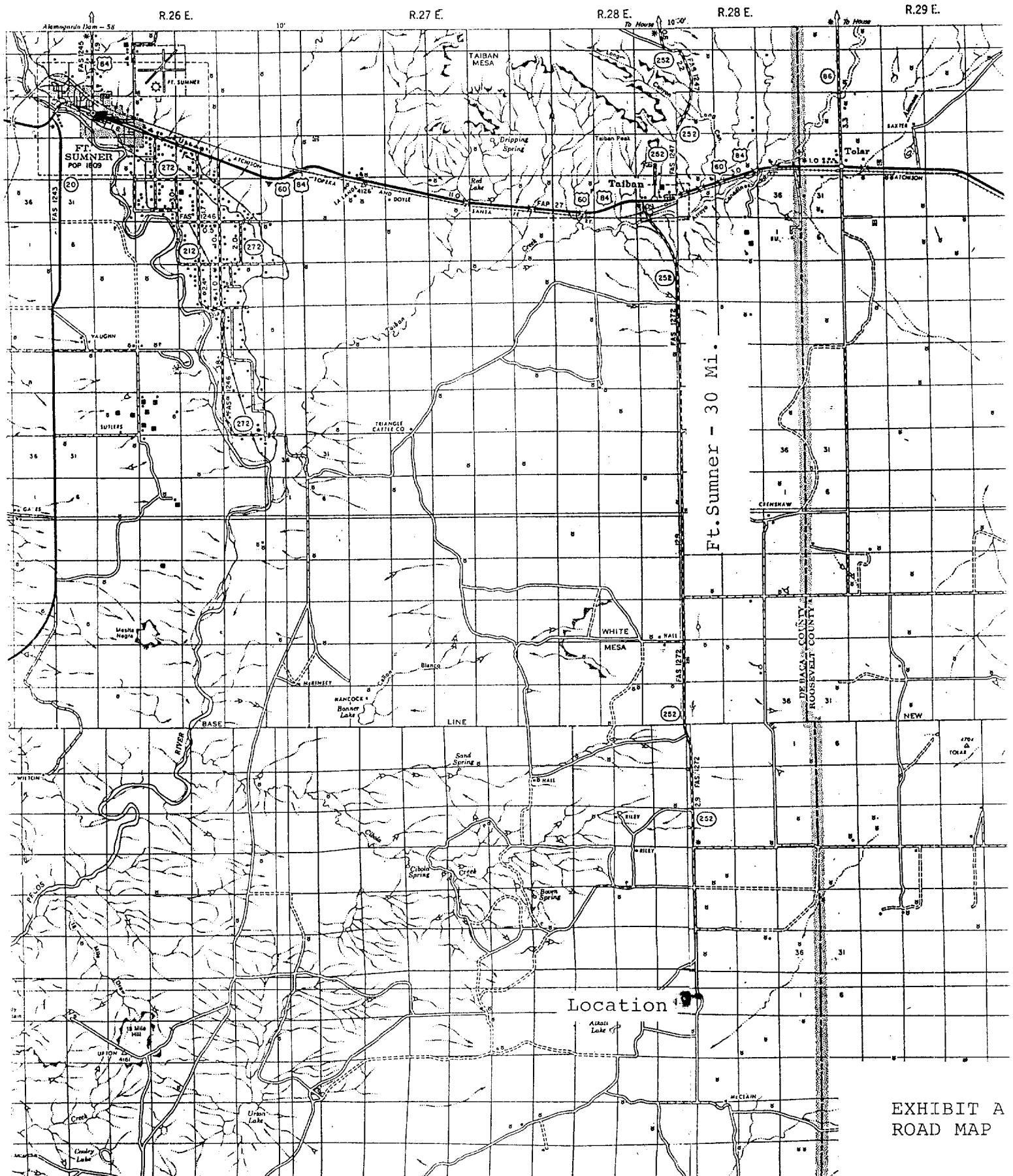
I hereby certify that I, or person under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; that the work associated with the operations proposed herein will be performed by JAGUAR ENERGY, INC. 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.

August 11, 1989

Date:

  
JERRY W. LONG  
Agent for:  
JAGUAR ENERGY, INC.

JAGUAR ENERGY, INC.  
No.1 Colter Federal  
NE/4SE/4 Sec.4-2S-28E  
De Baca County, NM



JAGUAR ENERGY, INC.  
No.1 Colter Federal  
NE/4SE/4 Sec.4-2S-28E  
De Baca County, NM

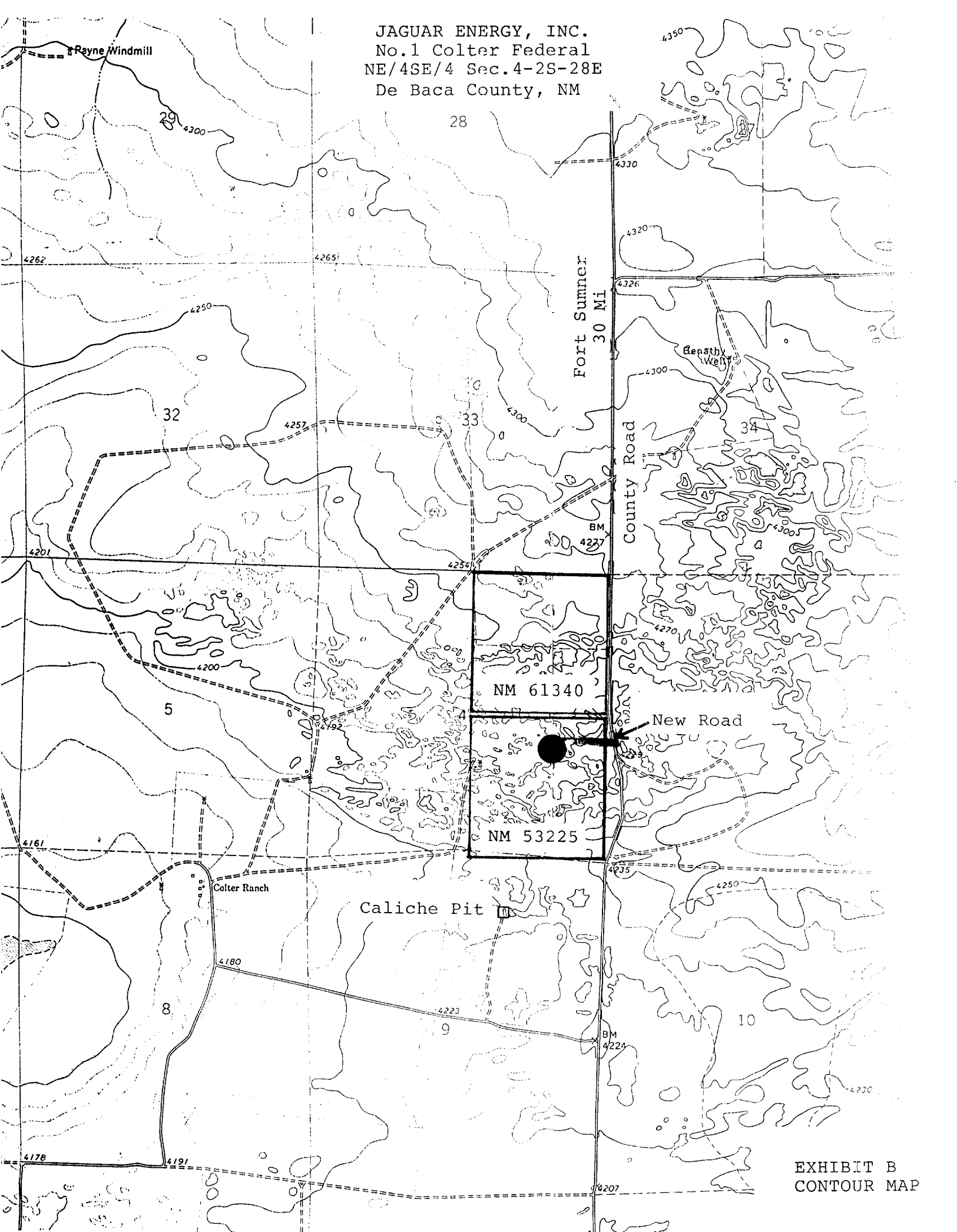
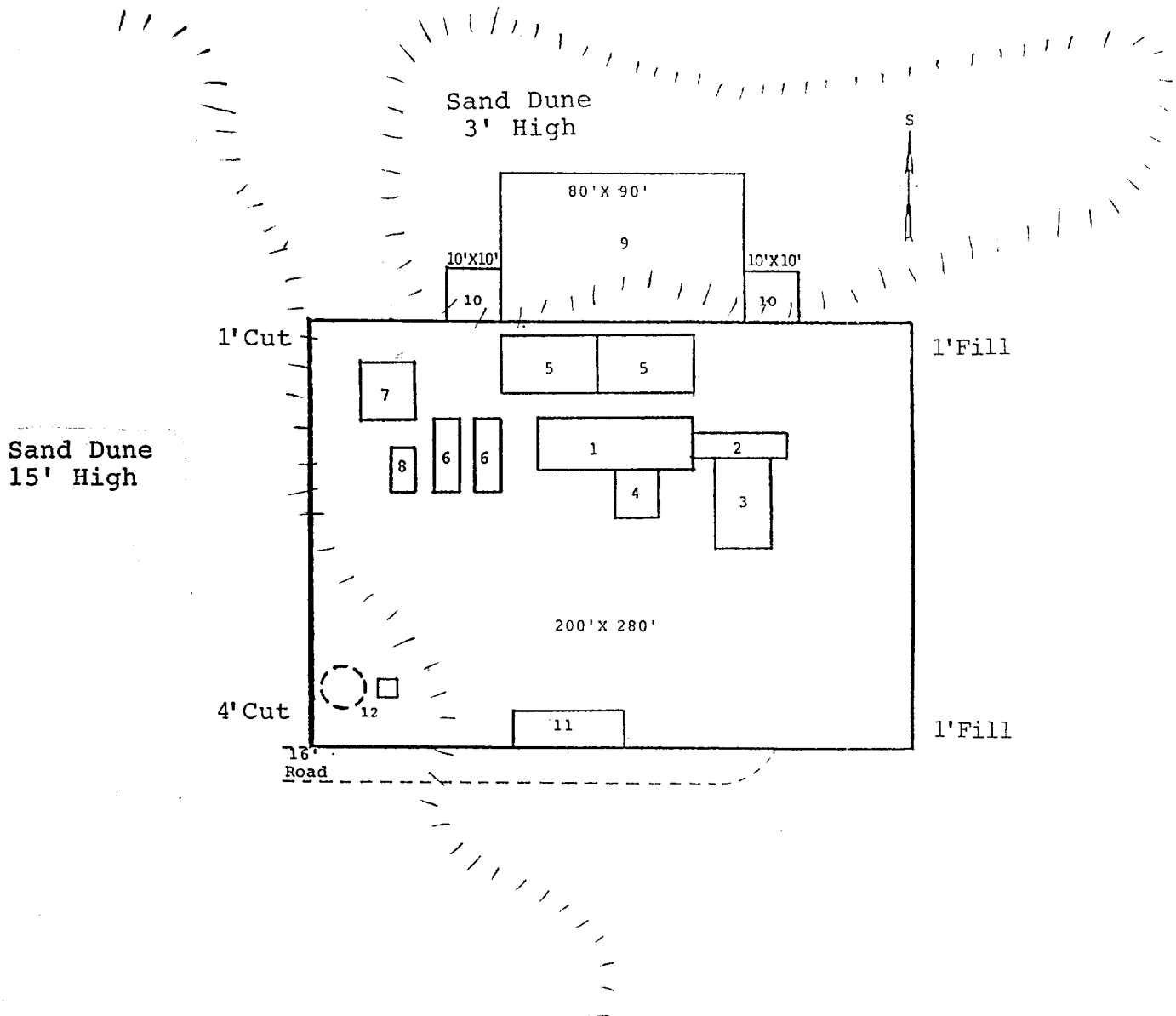


EXHIBIT B  
CONTOUR MAP

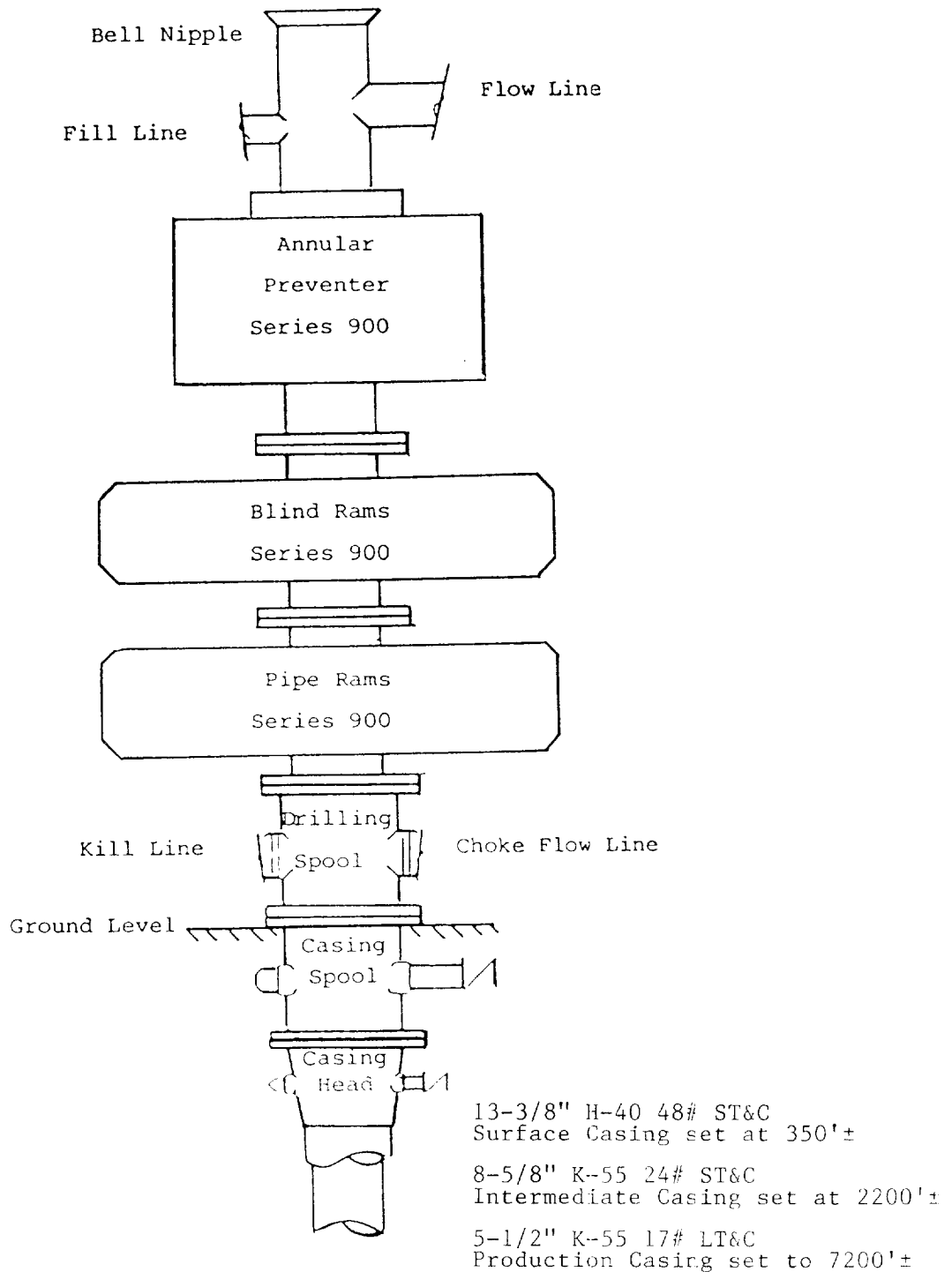
JAGUAR ENERGY, INC.  
No.1 Colter Federal  
NE/4SE/4 Sec.4-2S-28E  
De Baca County, NM



RIG LAYOUT

- |                 |                           |
|-----------------|---------------------------|
| 1. Substructure | 7. Water Tank             |
| 2. Catwalk      | 8. Light Plant            |
| 3. Pipe Rack    | 9. Reserve Pit            |
| 4. Doghouse     | 10. Trash Pit             |
| 5. Mud Pits     | 11. Trailer House         |
| 6. Mud Pumps    | 12. Production Facilities |

JAGUAR ENERGY, INC.  
No.1 Colter Federal  
NE/4SE/4 Sec.4-2S-28E  
De Baca County, NM



BLOWOUT PREVENTER STACK

3000 Psi Working Pressure

Rams Operated Daily

EXHIBIT D

EXHIBIT E  
LEASE AND WELL MAP

LAND OWNER AGREEMENT

Lease No. NM 53225 Well Name and No. 1 Colter Federal  
Subdivision: NE/4 SE/4 Section: 4 T. 2S R. 28E  
JAGUAR ENERGY, INC. intends to drill a well on surface owned by  
Colter Ranch. The lessee/operator agrees to  
complete the following reclamation work in the event the well is completed as  
a producing well.

☒ Yes ☐ No Maintain the access road and provide adequate drainage from  
the road.  
☒ Yes ☐ No Reshape and seed any areas not intended for operation of the  
production facilities.

Other requirements: \_\_\_\_\_

The following work will be completed when the well is abandoned or if the well  
is a dry hole.

WELL LOCATION

☒ Yes ☐ No Pit will be fenced until dry, then backfilled and recontoured  
to resemble the surrounding topography.  
☐ Yes ☒ NA No Water bars will be constructed as deemed necessary.  
☐ Yes ☐ No Site will require recontouring to conform to the surrounding  
topography.  
☒ Yes ☐ No Entire disturbed area will be seeded with the following seed  
mixture: Seed recommended by BLM for sandy sites.

ACCESS ROAD

☒ Yes ☐ No Access road will be closed, recontoured and seeded using the  
seed mixture above.  
☐ Yes ☒ NA No Water bars will be constructed on the access road as deemed  
necessary.

Other requirements: Remove junk and trash

SURFACE OWNER

Name: Colter Ranch  
Address: 615 Iron  
City: Hobbs,  
State: New Mexico 88241  
Phone No.: 505-392-6692  
Date: \_\_\_\_\_

OPERATOR/LESSEE

Name: JAGUAR ENERGY, INC.  
Address: 2323 Bryan, Ste. 2424  
City: Dallas,  
State: Texas 75201  
Phone No.: 214-220-2424  
Date: \_\_\_\_\_

I CERTIFY that reclamation of that portion of my lands to be disturbed as a  
result of this proposed drilling operation has been discussed with me and  
agreed upon as indicated above.

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Surface Land Owner's Signature)

This plan covers reclamation requirements only and does not, in any way affect  
any other agreements between the lessee/operator and the surface owner.

7/31/89  
\_\_\_\_\_  
Date

Frank O. Cox  
\_\_\_\_\_  
(Lessee/Operator's Signature)

LAND OWNER AGREEMENT (OFF-LEASE ROAD)

Lease No. NM 53225 Well Name and No. 1 Colter Federal  
Subdivision: NE/4 SE/4 Section: 4 T. 2S R. 28E  
JAGUAR ENERGY, INC. intends to drill a well on surface owned by  
Colter Ranch. The lessee/operator agrees to  
complete the following reclamation work in the event the well is completed as  
a producing well.

☒ Yes ☐ No Maintain the access road and provide adequate drainage from  
the road.  
☒ Yes ☐ No Reshape and seed any areas not intended for operation of the  
production facilities.

Other requirements: \_\_\_\_\_

The following work will be completed when the well is abandoned or if the well  
is a dry hole.

WELL LOCATION

☒ Yes ☐ No Pit will be fenced until dry, then backfilled and recontoured  
to resemble the surrounding topography.  
☐ Yes ☒ No Water bars will be constructed as deemed necessary.  
☐ Yes ☐ No Site will require recontouring to conform to the surrounding  
topography.  
☒ Yes ☐ No Entire disturbed area will be seeded with the following seed  
mixture: Seed recommended by BLM for sandy sites.

ACCESS ROAD

☒ Yes ☐ No Access road will be closed, recontoured and seeded using the  
seed mixture above.  
☐ Yes ☒ No Water bars will be constructed on the access road as deemed  
necessary.

Other requirements: Remove junk and trash

SURFACE OWNER (Sec. 3)  
Name: Monte Best  
Address: East Star Rt., Box 211  
City: Portales, NM 88130  
State: New Mexico  
Phone No.: \_\_\_\_\_  
Date: July 25, 1989

OPERATOR/LESSEE  
Name: JAGUAR ENERGY, INC.  
Address: 2323 Bryan, Ste. 2424  
City: Dallas,  
State: Texas 75201  
Phone No.: 214-220-2424  
Date: July 25, 1989

I CERTIFY that reclamation of that portion of my lands to be disturbed as a  
result of this proposed drilling operation has been discussed with me and  
agreed upon as indicated above.

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Surface Land Owner's Signature)

This plan covers reclamation requirements only and does not, in any way affect  
any other agreements between the lessee/operator and the surface owner.

7/31/89  
Date

Stanley O. Cox  
(Lessee/Operator's Signature)



STATEMENT ACCEPTING RESPONSIBILITY

JAGUAR ENERGY, INC., operator of the No.1 Colter Federal well, located in the NESE Sec.4, T.2S, R.28E., De Baca County, New Mexico, has a farmout agreement on Lease NM 53225. Assignment of Operating Rights are pending the drilling of the well.

This is to certify that the undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.: NM 53225

Legal Description of Land: SE/4 Sec.4, T.2S., R.28E.

Formations: Below Glorieta

July 31, 1989  
Date:

Frank O. Cox  
Authorized Signature:

Pres.  
Title: