

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 0512118-A
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR General American Oil CO. of Texas ✓		7. UNIT AGREEMENT NAME RECEIVED
3. ADDRESS OF OPERATOR P.O. Box 128, Loco Hills N.M. 88255		8. FARM OR LEASE NAME Rocky
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980 FSL + 990 FEL Sec. 4, T 22S-R22E At proposed prod. zone		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 25 miles west of Carlsbad N.M.		10. FIELD AND POOL OR NAME Q. C. D. ARTESIA OFFICE
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 990 Ft.	16. NO. OF ACRES IN LEASE 503	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Wildcat- Wolfcamp
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 6500	12. COUNTY OR PARISH EDDY
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4281,6 GR	17. NO. OF ACRES ASSIGNED TO THIS WELL 8840	13. STATE N.M.
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* ASAP

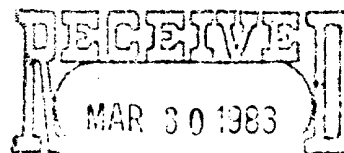
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48#	200	250 SXS CIRCULATE
11 1/2	8 5/8	28#	2000	900 SXS CIRCULATE
7 7/8	4 1/2	11.6#	approx 6500	Sufficient to cover all productive zones

We propose to drill this well to 6500 and complete in the Wolfcamp.

Mud Program: Fresh water surface to 2000
2000-4500 Cut Brine
4500-TD Salt Gell

B.O.P.: A series 1500 will be used on 8 5/8 CSNG and tested daily. (see attached diagram)



OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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 Randall M. Hawkins TITLE Field Superintendent DATE 3/28/83
(This space for Federal or State office use)

PERMIT NO. APPROVED APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
APR 4 1983
JAMES A. GILLHAM
DISTRICT SUPERVISOR

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

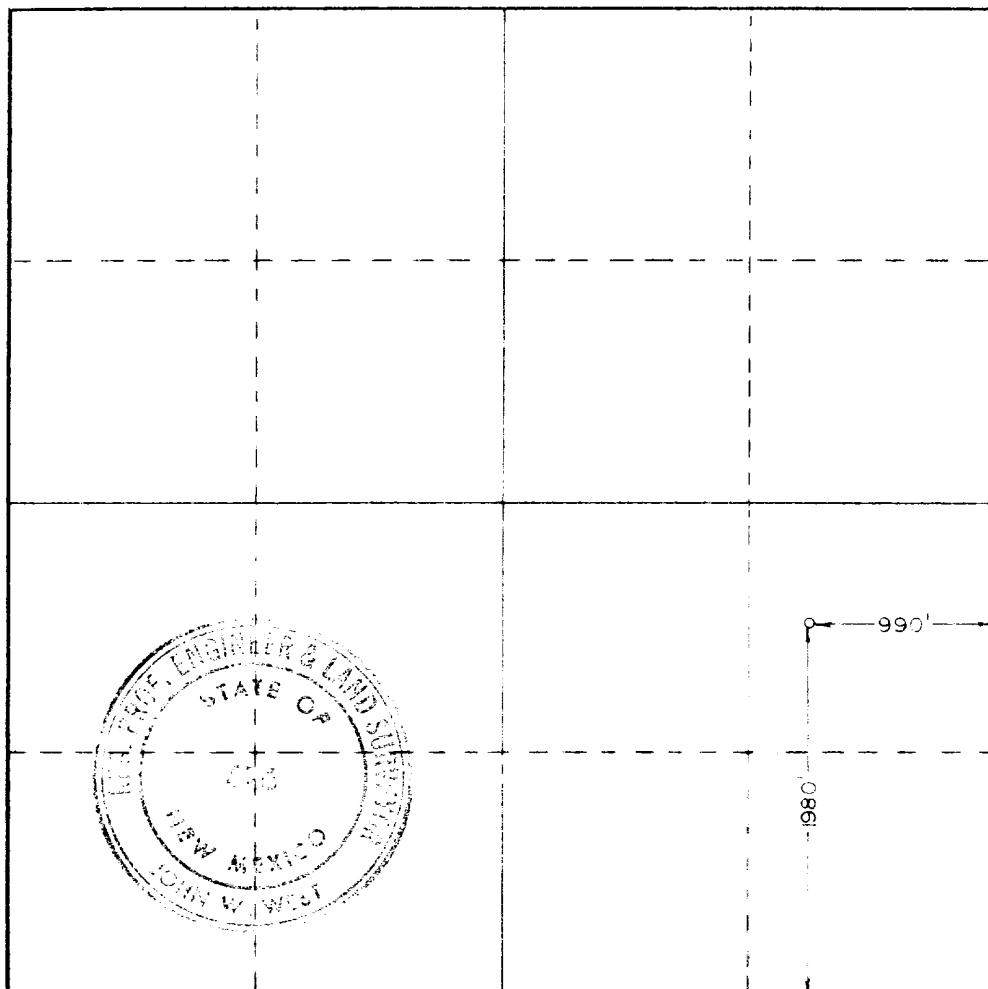
Operator GENERAL AMERICAN OIL CO. OF TEXAS			Lease ROCKY		Well No. 1
Section Letter I	Section 4	Township 22 SOUTH	Range 22 EAST	County EDDY	
Approximate Location of Well: 1980 feet from the SOUTH line and 990 feet from the EAST line					
Ground Level Elev. 4281.6	Producing Formation Wolfcamp	Pool Wildcat - Wolfcamp		Dedicated Acreage: 80 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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 interests, has been approved by the Commission.



CERTIFICATION

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

Name
Randall M. Hawkins
Position
Field Superintendent

Company
General American Oil Co. of Texas

Date
March 28, 1983

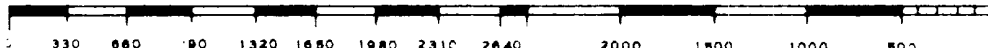
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

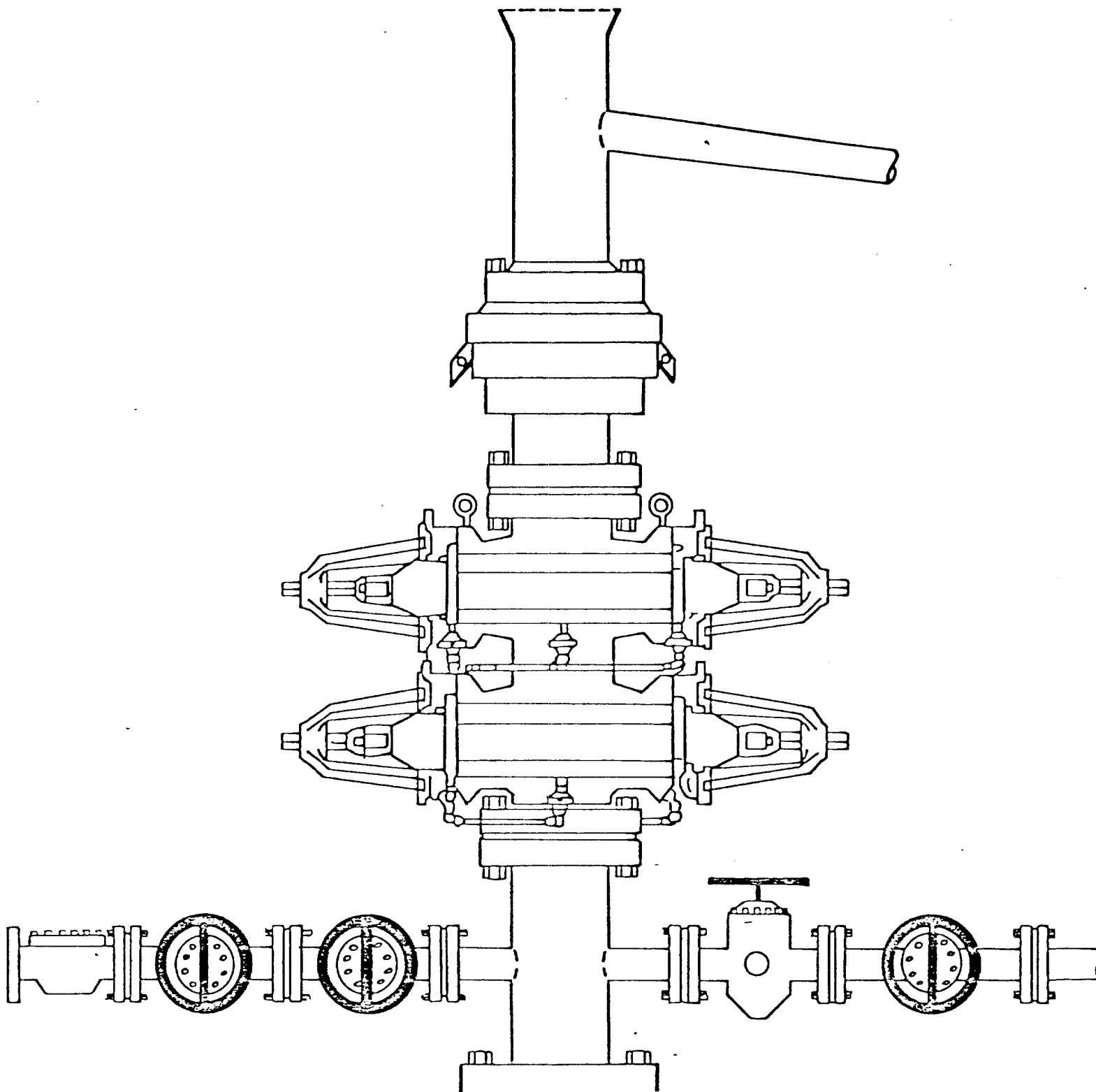
Date Surveyed
3/9/83

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No.
JOHN W. WEST NO. 676





BLOWOUT PREVENTION EQUIPMENT

ONE SHAFFER LWS HYDRAULIC DOUBLE 10" x 1500
SERIES. ONE SHAFFER SPHERICAL 10" x 1500 SERIES,
CHOKE MANIFOLD 4" x 1500 SERIES FLANGED
CONNECTIONS. PAYNE 4 VALVE ACCUMULATOR CLOSING UNIT.

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: New Mexico
SERIAL No.: NM 0512118-A

and hereby designates

NAME: General American Oil Company of Texas
ADDRESS: Meadows Building, Dallas, Texas 75206

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 22 South, Range 22 East, N.M.P.M.
Section 4: SE/4
Depth rights from the surface to the depth of
6,500 feet

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

MARK D. WILSON

By: 

(Signature of lessee)

2-3-53
(Date)

1705 Briscoe Ave.
Artesia, New Mexico 88210
(Address)

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Hobbs, New Mexico
SERIAL NO.: NM-0512118-A

and hereby designates

NAME: General American Oil Company of Texas
ADDRESS: Meadows Building, Dallas, Texas 75206

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 22 South, Range 22 East

Section 4: SE/4
Eddy County, New Mexico

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The lessee agrees promptly to notify the supervisor of any change in the designated operator.

EL PASO EXPLORATION COMPANY

By: *D. N. Canfield*

(Signature of lessee)

D. N. Canfield, Vice President

P. O. Box 1492, El Paso, Texas 79978

(Address)

February 9, 1983
(Date)

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: New Mexico

SERIAL NO.: NM 0512118-A

and hereby designates

NAME: General American Oil Company of Texas .

ADDRESS: Meadows Building, Dallas, Texas 75206

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ROBERT E. BOLING

By: Robert E. Boling

(Signature of lessee)

202 American Home Building
Artesia, New Mexico 88210

(Address)

2 - 4 - 83

(Date)

VII. SAMPLES:

- A. Two sets of samples from 2000' to TD or as directed by Company Representative.
- B. A two man mudlogging unit will be used from 2000' to TD.

VIII. ESTIMATED GEOLOGICAL TOPS:

<u>Formation</u>	<u>Vertical Depth</u>	<u>Subsea Depth</u>
Glorieta	1600	+ 2680
Bone Springs Lime	3125	+ 1525
Bone Springs Third Shale	4515	- 235
Wolfcamp	4675	- 395
Wolfcamp "A"	5122	- 842
Wolfcamp Rake	5192	- 912
Top of Wolfcamp Reef	5487	- 1207
Oil Water Contact of Wolfcamp Reef	5987	- 1406
Base of Wolfcamp Reef	5987	- 1707
Projected Total Depth	6500	

IX. CORES AND DRILL STEM TESTS:

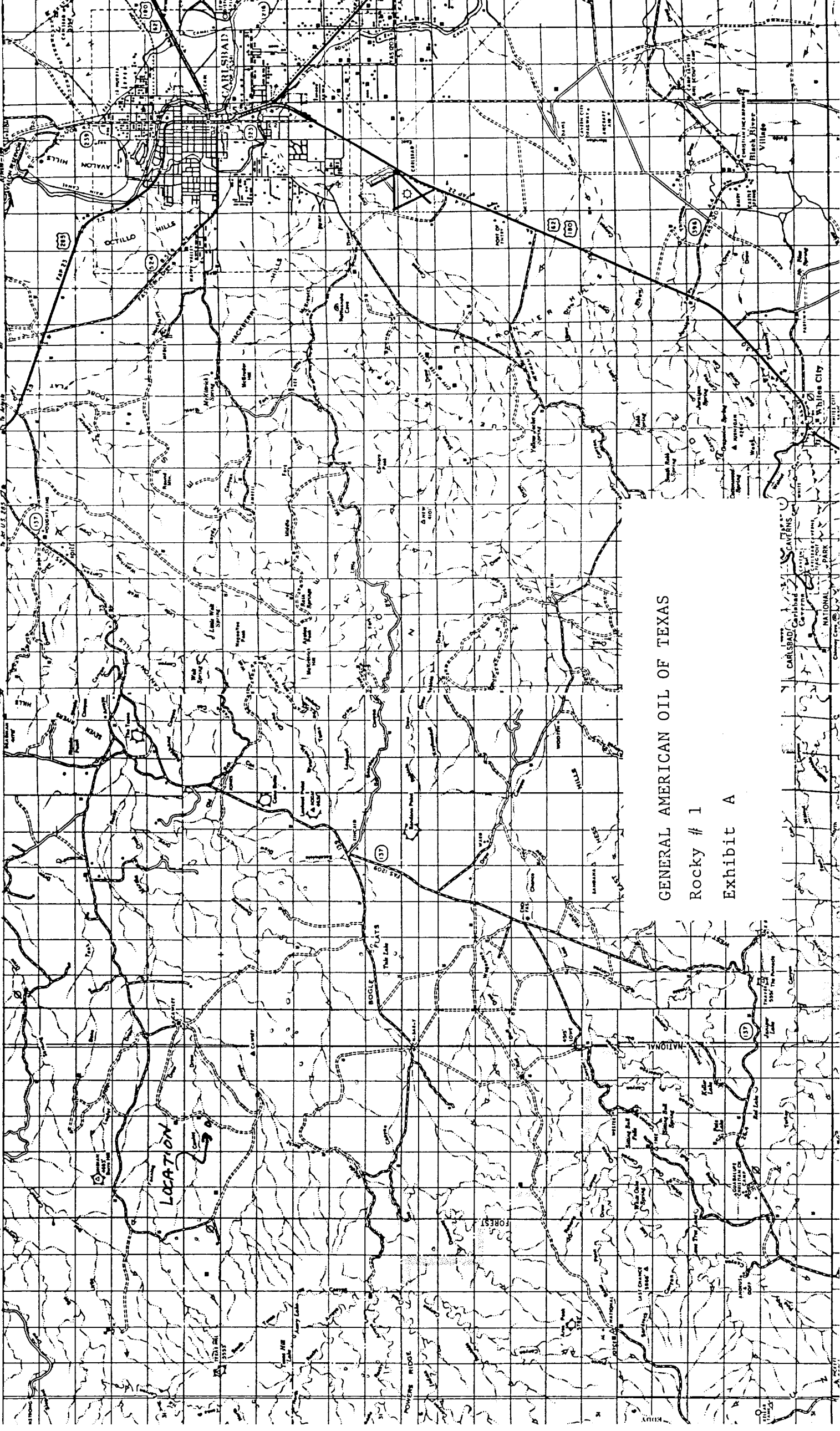
- A. Cores - None proposed.
- B. Possible one DST to be run in Wolfcamp Reef. DST to be run with tandem packers, safety joints, hydraulic jars and bumper sub. One quart samples of fluid recovered are to be taken; one at top, middle, and bottom of fluid column. A portion of the bottom sample is to be submitted to the Logging Company for determination of R_w prior to logging.

X. LOGS:

CBL 0'- 200'
 CBL 200'-2000'
 GR-DLL and GR-CNL-FDC 2000'- T.D.
 GR-CASED CNL (same run) 0'- 200' All logs 2" and 5" per 100'
 CLL/CBL TS-to above all zones of interest.

XI. CASING AND CEMENT:

- A. Surface: 13-3/8" OD, H-40 48# ST&C to be set at 200' and cemented with 250 sacks of Class "C". If cement does not circulate one inch with sacks until circulated. Casing attachments: Guide shoe and one centralizer on shoe joint. Howco weld shoe and first collar and tack weld top of shoe and bottom of first collar. WOC time 18 hours. Install casing flange and pressure test casing and BOP's to 600#. Note: on all cementing jobs (surface, intermediate and long string) catch one sample of each type cement used and water used for mixing. Save samples for analysis in case cement does not set properly.
- B. Intermediate: 8-5/8" OD S-80 ST&C new casing to be set at 2000' with 900 sacks Class "C". If cement does not circulate subsequent stages cemented from surface through 1" with sacks. Casing attachments: Float shoe with insert float in first collar from bottom. Howco weld and tack weld shoe and first collar. Hang weight of casing, as indicated on rig weight indicator at end of cement job on slips prior to cutting off casing. Reciprocate casing while cementing. Install casing spool. Nipple up BOP and test to 1,000#. BOP's rated working pressure of 5,000 PSIG prior to drilling into Wolfcamp formation. Be sure casing valve below BOP is open so casing is not pressured above its burst pressure during Yellow Jacket test.
- C. Production Casing: 4-1/2" 11.6# N-80 Casing will be cemented with sufficient Class "H" cement to cover all zones of interest. Casing attachments: float shoe, float collar between first and second joint, centralizers in sufficient quantity to assure a good cement job over zones of interest. Tack weld top of shoe and bottom of first collar.

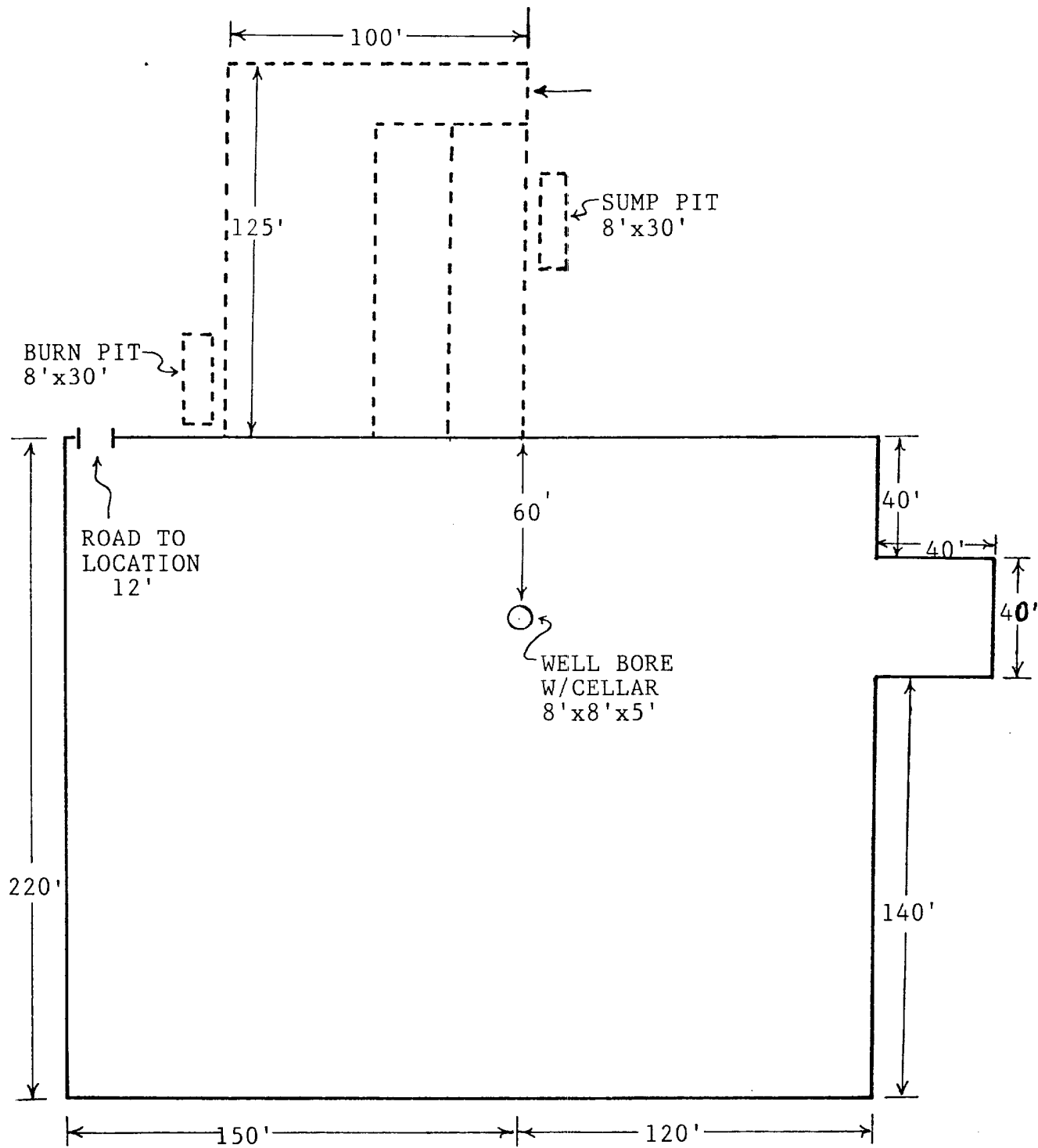


GENERAL AMERICAN OIL OF TEXAS
Rocky # 1
Exhibit A

GENERAL AMERICAN OIL OF TEXAS

Rocky # 1

Exhibit C



SCALE: 1:50