

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

NM 23006

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

~~CST~~ Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Watkins Grayburg

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA

31-T18S-R32E, NMPM

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

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

RECEIVED  
SEP 11 1975  
SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR

General Operating Company

3. ADDRESS OF OPERATOR

711 Commerce Building, Fort Worth, Texas 76102

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

At surface

660' FSL and 2310' FEL Section 31-T18S-R32E

At proposed prod. zone

Same

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

Eleven miles south and two and one-half miles west Maljamar, New Mexico.

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

660'

16. NO. OF ACRES IN LEASE

321.27

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

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

19. PROPOSED DEPTH

4500'

20. ROTARY OR CABLE TOOLS

Rotary

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

3669.8' GR

22. APPROX. DATE WORK WILL START\*

9-17-75

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-3/4"	8-5/8" OD	24#	400'	300 Sacks - Circulate
7-7/8"	4 1/2" OD	10.5#	4500'	500 Sacks

General Operating Company proposes to drill its CST Federal #1 well for completion in the Grayburg at an approximate depth of 4220'.

Casing program will consist of 8-5/8" OD, 24# surface casing to be set at an approximate depth of 400' and cemented to the surface and 4 1/2" OD, 10.5# production casing to be set at total depth with cement from total depth back to base of salt section. Surface casing will be pressure tested to 1000 psi and production casing to 3000 psi.

During drilling operations, the WEK Drilling Company rotary rig that is to drill the well will be equipped with a Schaeffer Type E 10" Series 900 Hydraulic BCP. Mud program will be native mud from surface to top of Yates and salt water mud from top of Yates to total depth.

The Grayburg will be perforated and fracture treated for production at an approximate depth of 4220'.

Unless Drilling Operations have commenced, this drilling approval expires **DEC 23 1975**

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

*C.W. Stumbhoff*

TITLE

Partner

DATE

9-10-75

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*Jim Sims*

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-122  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

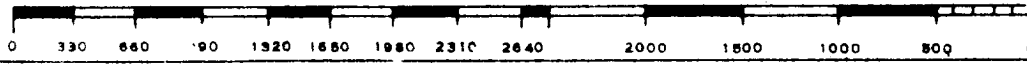
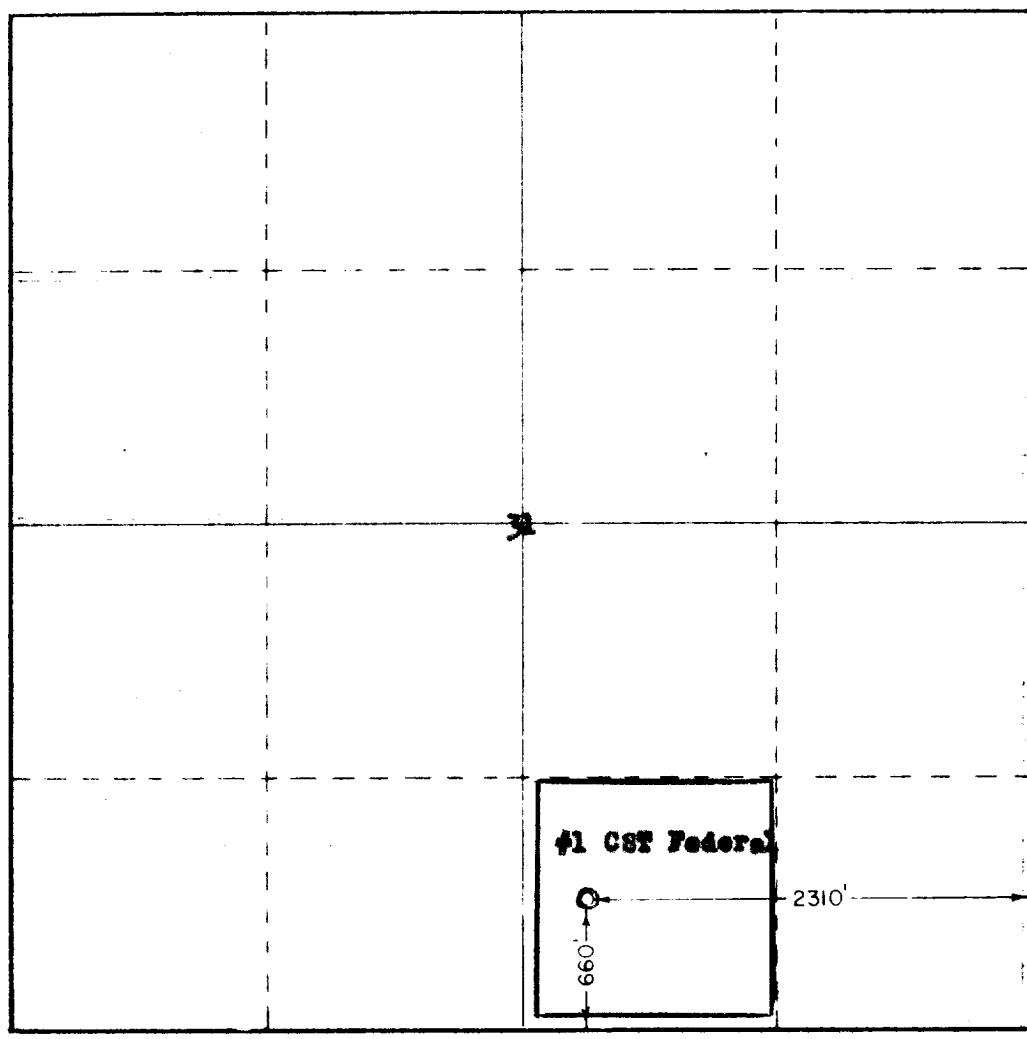
Operator <b>General Operating Company</b>			Lease <b>CST Federal</b> <i>CSJ</i>		Well No. <b>1</b>
Tract Letter <b>O</b>	Section <b>31</b>	Township <b>18 South</b>	Range <b>32 East</b>	County <b>Lea</b>	
Actual Well Location of Well: <b>660</b> feet from the <b>South</b> line and <b>2310</b> feet from the <b>East</b> line					
Ground Level Elev. <b>3669.8</b>	Producing Formation <b>Grayburg</b>		Pool <b>Vatkins Grayburg</b>		Estimated Acreage <b>40</b>

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 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.



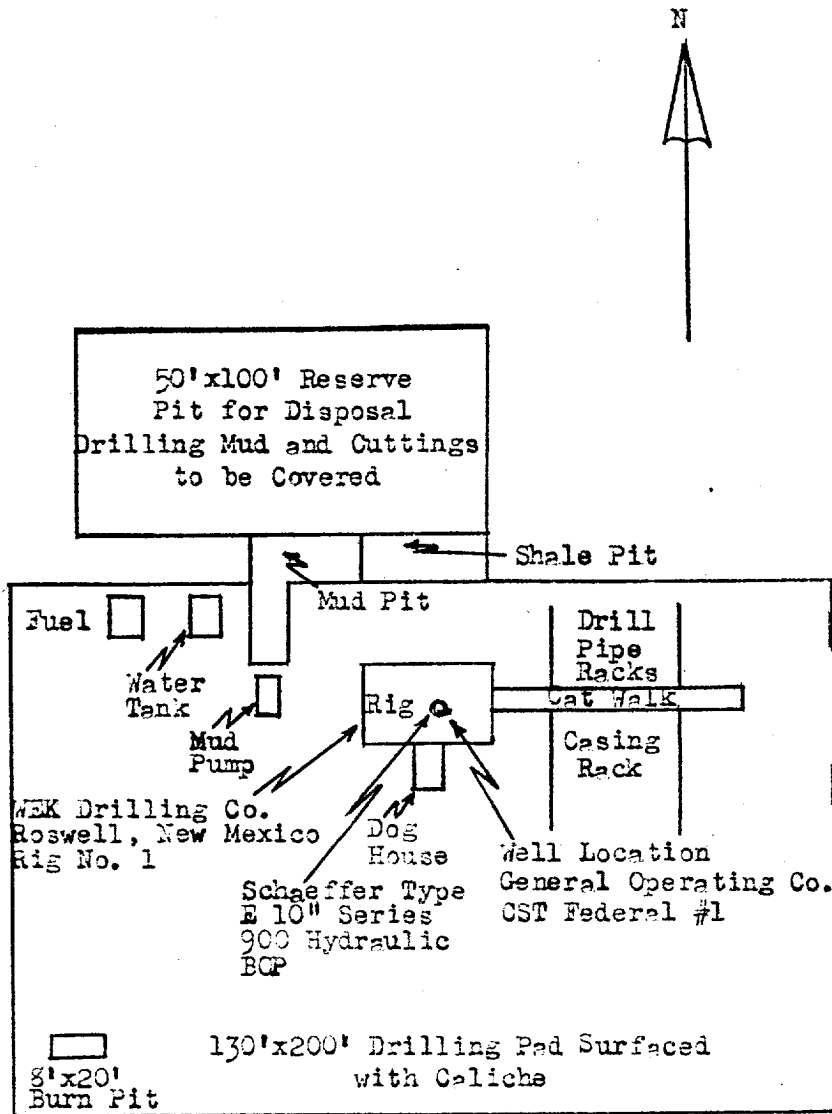
<b>CERTIFICATION</b>	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	<i>C. V. Stumhoff</i> <b>C. V. STUMHOFF</b>
Position	<b>FORNER</b>
Company	<b>GENERAL OPERATING COMPANY</b>
Date	<b>SEPTEMBER 10, 1975</b>
I hereby certify that 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	
Registered Professional Engineer and Surveyor	<b>676</b>
Certificate No.	<b>MEX1676</b>

GENERAL OPERATING COMPANY  
711 COMMERCE BUILDING  
FORT WORTH, TEXAS 76102

CST FEDERAL WELL #1  
660' FSL AND 2310' FEL  
SECTION 31-T18S-R32E  
LEA COUNTY, NEW MEXICO

ATTACHMENT TO APPLICATION FOR PERMIT TO DRILL  
DEVELOPMENT PLAN FOR SURFACE USE

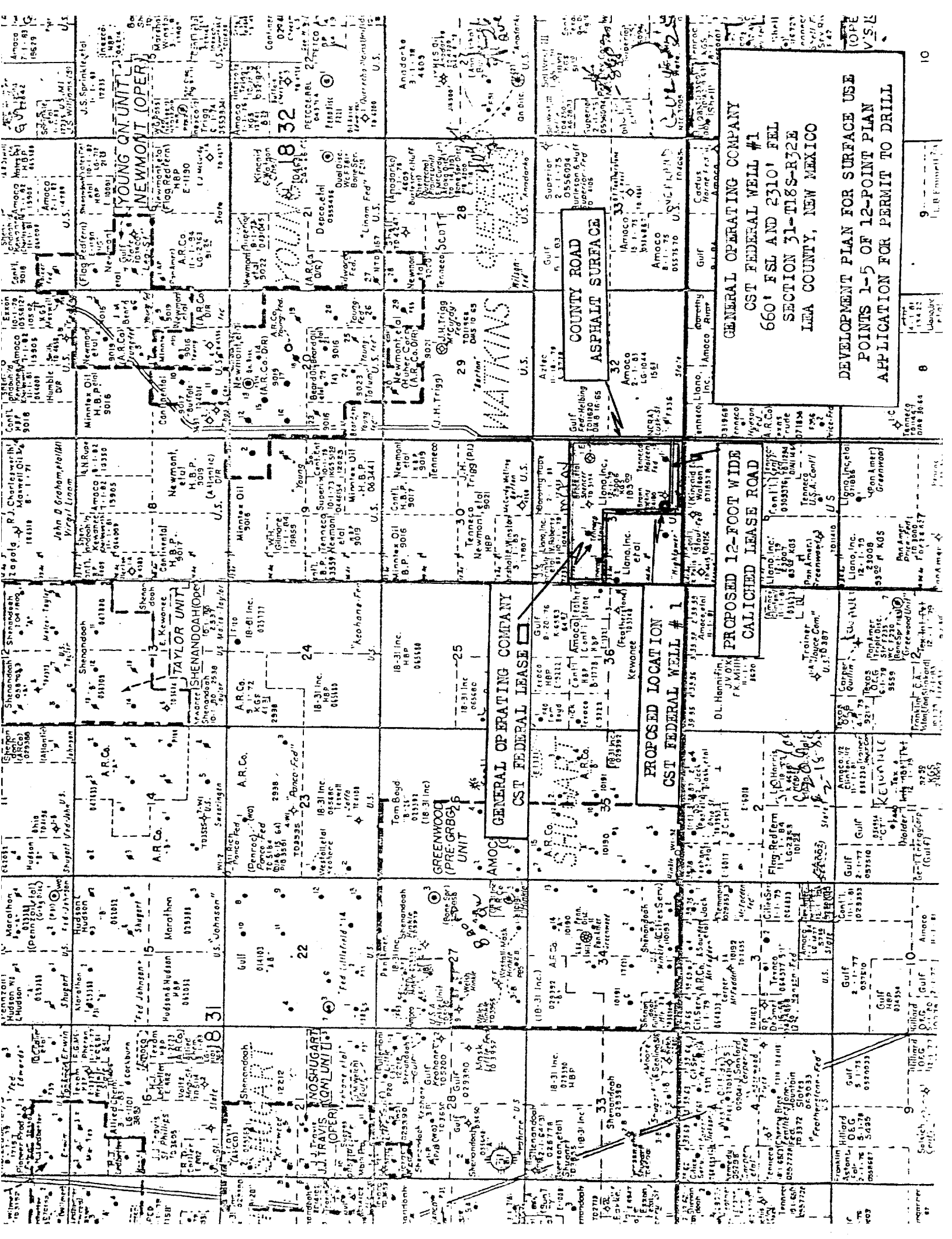
- I. Existing Roads - Since there is no production on this lease, there are no existing roads.
- II. Planned Access Road - Approximately 2300 feet of 12-foot wide caliche road will be built from the north-south asphalt-surfaced county road running along the east boundary line of the captioned Section 31 to the proposed location.
- III. Location of Well - Proposed location of well is 660' FSL and 2310' FEL of Section 31-T18S-R32E approximately eleven miles south and two and one-half miles west of the townsite of Maljamar, New Mexico.
- IV. Lateral Roads to Well Locations - Additional roads to other wells locations will be built prior to the commencement of actual drilling operations.
- V. Location of Tank Batteries and Flow Lines - If proposed well is successfully completed, tank battery will be installed on location with well.
- VI. Locations and Types of Water Supply - Fresh water from commercial water company will be utilized to drill well.
- VII. Methods of Handling Waste Disposal - 50' x 100' reserve mud pit to be covered upon completion of well will be used for disposal of drilling mud and cuttings. Paper and other debris will be placed in 8' x 20' burn pit.
- VIII. Location of Camps - No camps are located in the area of the proposed location.
- IX. Location of Airstrips - No usable airstrips are in the area of the proposed location.
- X. Location Layout to Include Position of Rig, Mud Tanks, Reserve Pit, Burn Pit, Pipe Racks, Etc. - See Attachment
- XI. Plans for Restoration of the Surface - All pits will be filled upon well completion and ground around location will be leveled with space allowed for well servicing.
- XII. Miscellaneous - No other known environmental information is applicable to this proposed location.



SCALE 1" = 200'

GENERAL OPERATING COMPANY  
 CST FEDERAL WELL #1  
 660' FSL AND 2310' FEL  
 SECTION 31-T18S-R32E  
 WATKINS GRAYBURG FIELD  
 LEA COUNTY, NEW MEXICO

DEVELOPMENT PLAN FOR SURFACE USE  
 POINT 10 OF 12-POINT PLAN  
 APPLICATION FOR PERMIT TO DRILL



**YOUNG QU. UNIT  
NEWMONT (OPER)**

**TAYLOR UNIT  
SHENANDOAH (OPER)**

**GREENWOOD  
(PRE-GRUBS) UNIT**

**J.J. TRAVIS  
NEWMONT UNIT (OPER)**

**J.J. JOHNSON**

**COUNTY ROAD  
ASPHALT SURFACE**

**PROPOSED 12-FOOT WIDE  
CALICHERD LEASE ROAD**

**PROPOSED LOCATION  
CST FEDERAL WELL # 1**

**GENERAL OPERATING COMPANY  
CST FEDERAL WELL #1  
660' FSL AND 2310' FEL  
SECTION 31-T18S-R32E  
LEA COUNTY, NEW MEXICO**

**DEVELOPMENT PLAN FOR SURFACE USE  
POINTS 1-5 OF 12-POINT PLAN  
APPLICATION FOR PERMIT TO DRILL**

8  
9  
10