

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
Great Western Drilling Company

3. ADDRESS OF OPERATOR
2550 LaPlata Hwy.
Farmington, NM 87401

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

At proposed prod. zone 790 FSL & 1495 FWL
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
3 miles S of Farmington, NM

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 175

19. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 2100

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5965' Gr.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12.25"	8.625"	24#	300
7.875"	5.50"	15.5#	6550

5. LEASE DESIGNATION AND SERIAL NO.
NM 0309373
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A
7. UNIT AGREEMENT NAME
N/A
8. FARM OR LEASE NAME
Callow Federal 4772
9. WELL NO.
1-E
10. FIELD AND POOL, OR WILDCAT
Basin DK
11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
N Sec. 33-T29N-R13W
12. COUNTY OR PARISH 13. STATE
San Juan NM

17. NO. OF ACRES ASSIGNED
TO THIS WELL
S/2 320

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
12/10/93

23. This action is subject to technical and
procedural review pursuant to 43 CFR 3185.3
and appeal pursuant to 43 CFR 3185.4.
QUANTITY OF CEMENT

100 sxs (115 cuft) Cl. G. 2nd stage DV tool @ 4500', 145 sxs+/- (268 cuft) lite cement with 2 % CaCl₂ and 5# gilsonite per sack tailed with 50 sxs (57.5cuft) Cl G. 3rd stage DV tool @ 1700', 305 sxs+/- (1026cuft) lite cement with 2 % CaCl₂ and 5# gilsonite per sack tailed with 50 sxs (57.5cuft) Cl G.

Great Western Drilling Company wishes to advise that we intend to drill a 12.25" hole to 300' with mud. Run 8.625" casing to 300' and cement to surface with 230 sxs+/- Cl B cement. Nipple up and test BOP. Drill 7.875" hole to 6550' with mud. Log well. Run 5.5" production casing to 6550'. Cement with 305 sxs+/- lite cement. Tailed with 100 sxs Cl. G. Second stage 145 sxs+/- lite cement tailed by 50 sxs Cl. G. Third stage, 305 sxs+/- lite cement with 2 % CaCl₂ and 5# gilsonite per sack tailed with 50 sxs (57.5cuft) Cl G. Perforate pay section in the and Dakota Sands. Stimulate as required.

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 Robert C. Frank TITLE Permit Agent DATE 11/15/93

(This space for Federal or State office use)

PERMIT NO. RECEIVED APPROVAL DATE

APPROVED BY DEC 17 1993 TITLE DATE

OIL CON. DIV.
DIST. 3

*See Instructions On Reverse Side

APPROVED
AS AMENDED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOOD

DISTRICT MANAGER

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 11/89

DISTRICT I
P.O. Box 1690, Hobbs, NM 88240

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

DISTRICT III
1000 E. Benson Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

RECEIVED
DEC 17 1993
OIL CON. DIV.,
DIST. 3

Operator GREAT WESTERN DRILLING CO.			Lease CALLOW FEDERAL		Well No. 1-E
Unit Letter N	Section 33	Township 29N	Range 13W	County SAN JUAN	
Actual Footage Location of Well: 790 feet from the SOUTH line and Ground level Elev. 5965			1495 feet from the WEST line Pool Dakota Basin		Dedicated Acreage: S/2 320.7 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).

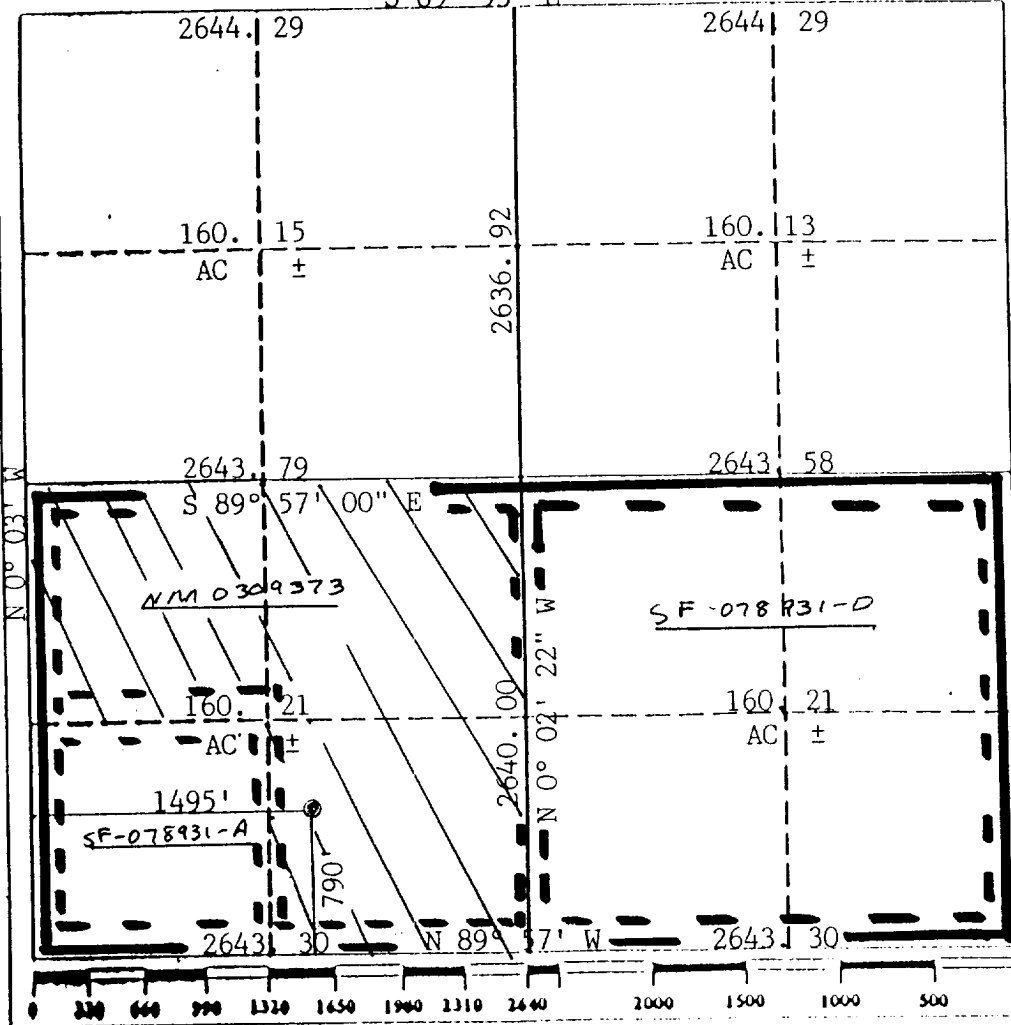
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force pooling, etc?

☒ Yes ☐ No If answer is "yes" type of consolidation Communitization 91006676

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 interest, has been approved by the Division.

S 89° 53' E



OPERATOR CERTIFICATION

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

Signature *Robert C. Frank*

Printed Name Robert C. Frank

Position

Permit Agent

Company

Great Western Drilling Co.

Date

November 15, 1993

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

November 12, 1993

Signature & Seal of Professional Surveyor

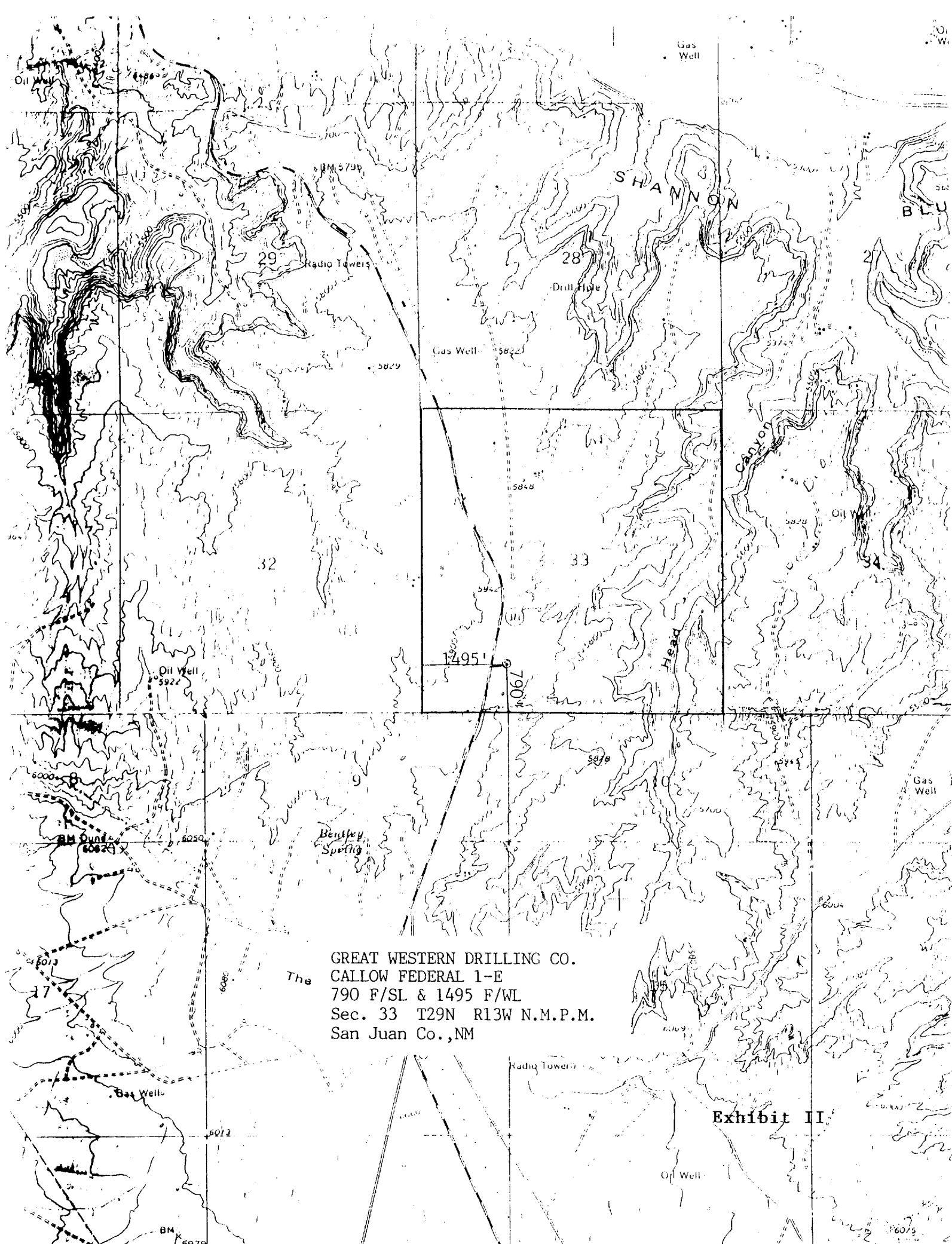
Cecil B. Tullis

Certificate No.

2672

PROFESSIONAL LAND SURVEYOR

Exhibit I



GREAT WESTERN DRILLING CO.
CALLOW FEDERAL 1-E
790 F/SL & 1495 F/WL
Sec. 33 T29N R13W N.M.P.M.
San Juan Co., NM

Exhibit II