

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*

(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-005-60278
5. LEASE DESIGNATION AND SERIAL NO.
Midwest Federal 0223201

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Midwest Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Sams Ranch 4-5A

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

10-14S-28E

12. COUNTY OR PARISH

Chaves

13. STATE

New Mexico

2. NAME OF OPERATOR

R. L. Foree

3. ADDRESS OF OPERATOR

3700 First National Bank Bldg., Dallas, Texas 75202

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

At surface 1980' FEL, 990' FSL, Sec. 10, 14S-28E

At proposed prod. zone same

OCT 3 1973

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

15 miles east Hagerman, N.M.

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

1920

ARTESIA, OFFICE

17. NO. OF ACRES ASSIGNED

160

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

none

19. PROPOSED DEPTH

1800

20. ROTARY OR CABLE TOOLS

Rotary

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

3579 GR

22. APPROX. DATE WORK WILL START*

July 10, 1973

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	24#	240	300 Sx.
7-7/8	5-1/2	15#	1750	200 Sx.

Mud Program: Native mud to 1500'
Drilling mud 1500' to TD. W.L. 5, Vis. 40, Wgt. 10

Blowout preventors will be employed from surface to T. D.

RECEIVED

JUN 25 1973

U. S. GEOLOGICAL SURVEY
ARTESIA, 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

R. L. Foree

TITLE

Agent

DATE

June 21, 1973

(This space for Federal or State office use)

APPROVED

OCT 2 - 1973

APPROVED BY
R. L. BEENMAN
ACTING DISTRICT ENGINEER

APPROVAL DATE

DATE

JAN 2 - 1974

*See Instructions On Reverse Side

**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.

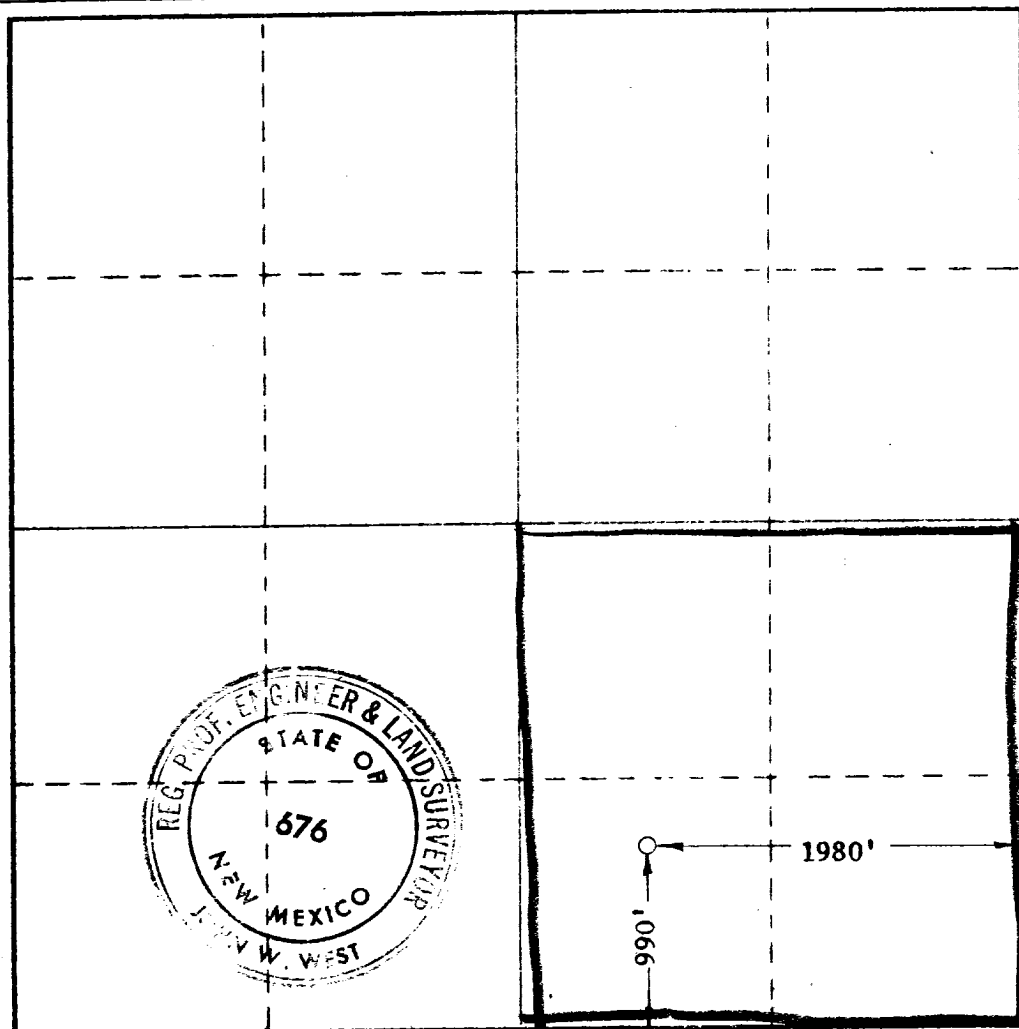
Operator R. L. FOREE			Lease MIDWEST FEDERAL		Well No. 2
Unit Letter O	Section 10	Township 14 SOUTH	Range 28 EAST	County CHAVES	
Actual Footage Location of Well: 990 feet from the SOUTH line and 1980 feet from the EAST line					
Ground Level Elev. 3579'	Producing Formation Premier Sand	Pool and Sams Ranch	Dedicated Acreage: 160		Acre

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 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 **R. L. Foree**
 Position **Agent**
 Company **R. L. Foree**
 Date **June 22, 1973**

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

Date Surveyed
JUNE 19, 1973
 Registered Professional Engineer and/or Land Surveyor

John W. West
 Certificate No. **676**

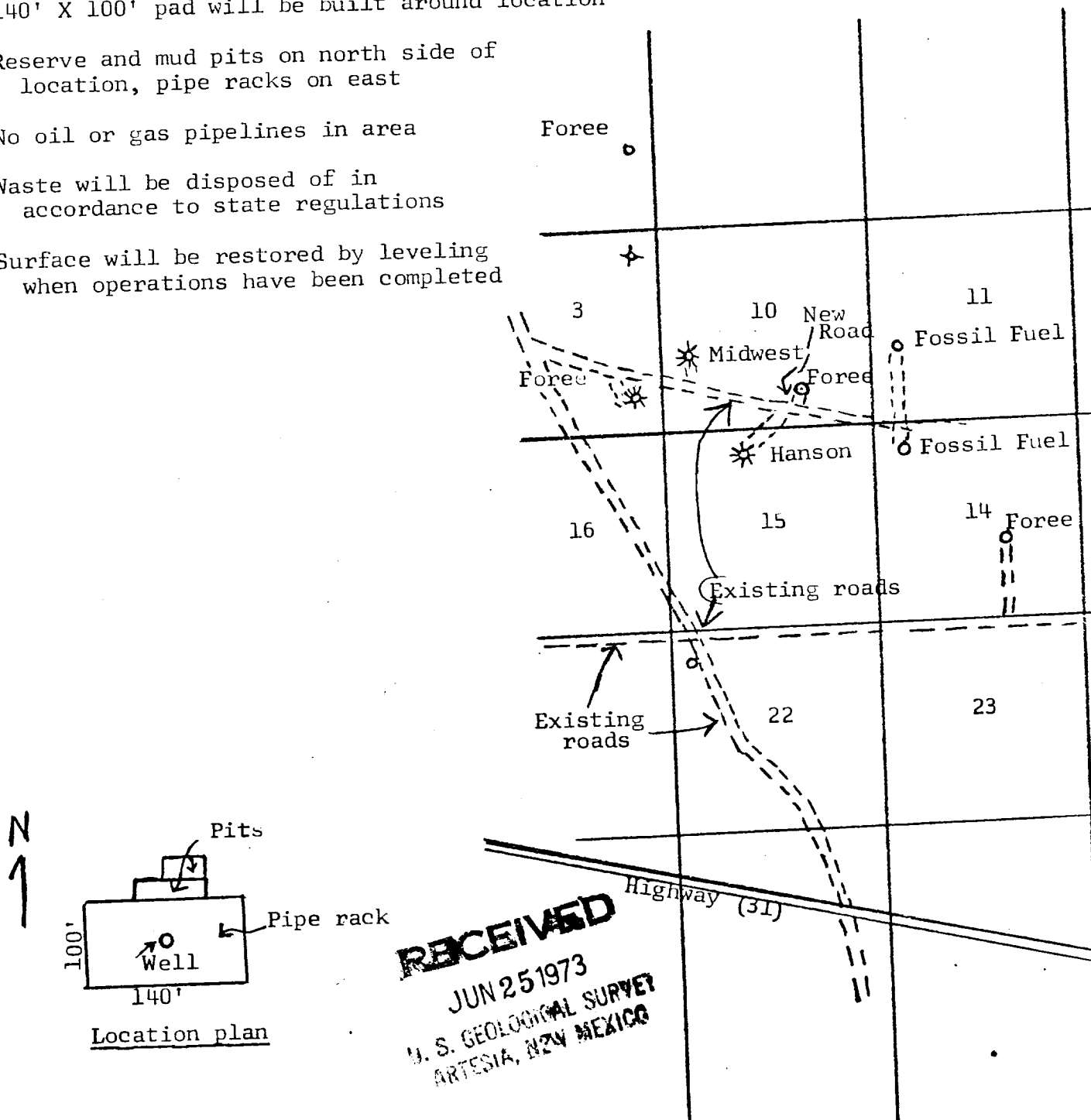
DEVELOPMENT PLAN FOR SURFACE USE

R. L. FOREE #2 MIDWEST FEDERAL, SW, SEC. 10, T-14-E, R-28- E

CHAVES CO., NEW MEXICO

NOTE:

1. No battery or flo lines
2. Water will be trucked in
3. No other roads are planned
4. 140' X 100' pad will be built around location
5. Reserve and mud pits on north side of location, pipe racks on east
6. No oil or gas pipelines in area
7. Waste will be disposed of in accordance to state regulations
8. Surface will be restored by leveling when operations have been completed





SHAFFER TOOL WORK



SHAFFER HYDRAULIC CONTROL GATES

PREVENTERS

(Patented)

TYPE E DOUBLE GATES PARTS AND SPECIFICATION DATA

Refer to Fig. 31

NAME OF PART	No. Req'd.	7 1/2" BORE		8" BORE		11" BORE		13 1/4" BORE		15 1/2" BORE
		8"	6"	8"	8"	10"	10"	12"	14"	16"
		3000# W.P.	5000# W.P.	3000# W.P.	5000# W.P.	3000# W.P.	5000# W.P.	3000# W.P.	5000# W.P.	2000# W.P.
		Rear Outlet 2"-5000# W.P.	Rear Outlet 2"-5000# W.P.	Rear Outlet 2"-5000# W.P.	Rear Outlet 3"-5000# W.P.	Rear Outlet 3"-5000# W.P.	Rear Outlet 3"-5000# W.P.	Rear Outlet 3"-3000# W.P.	Rear Outlet 3"-5000# W.P.	Rear Outlet 3"-5000# W.P.
Complete Assembly including Standard Accessories.....		195500	195600	195700	195800	195900	196100	196200	196400	196600
Body.....	1	194001	194101	194201	194301	194401	194501	194701	194901	195101
Cylinder.....	2	194002	194102	194202	194302	194402	194502	194702	194902	195102
Cylinder Head.....	2	195501	195601	195501	195501	195901	196101	196201	196401	196601
Piston Assembly.....	4	192006	192006	192006	192006	192006	192006	192006	192006	192006
Body—Piston.....	4	192007	192007	192007	192007	192007	192007	192007	192007	192007
Rubber—Piston.....	8	115021	115021	115021	115021	115021	115021	115021	115021	115021
Retainer—Piston Rubber.....	8	115020	115020	115020	115020	115020	115020	115020	115020	115020
Screw, Cap—Piston Rubber Ret.....	32	10003	10003	10003	10003	10003	10003	10003	10003	10003
Lockwasher—Piston Rubber Ret.....	32	25032	25032	25032	25032	25032	25032	25032	25032	25032
Locknut—Piston.....	4	192103	192103	192103	192103	192103	192103	192103	192103	192103
Shaft—Ram.....	4	193002	193101	193201	193301	193501	193601	193702	193702	196610
Shaft—Locking.....	4	115016	115016	115016	115016	115016	115016	193703	193703	196602
Bushing—Thrust.....	4	115023	115023	115023	115023	115023	115023	115023	115023	115023
Ring—Packing Adapter.....	4	192011	192011	192011	192011	192011	192011	192011	192011	192011
Ring—Packing Backup.....	4	115026	115026	115026	115026	115026	115026	115026	115026	115026
Door—Upper Left.....	1	194005	192013	194203	194305	194405	192604	194705	192502	195104
Door—Upper Right.....	1	194006	192013	194204	194305	194406	192604	194706	192502	195105
Door—Lower Left.....	1	194005	192013	194203	194305	194405	192604	194707	192502	195104
Door—Lower Right.....	1	194006	192013	194204	194305	194406	192604	194708	192502	195105
Guide Assembly—Left Door Ram.....	2	192015	192108	192015	192405	192405	192608	192706	192503	195106
Guide Assembly—Right Door Ram.....	2	192028	192110	192028	192407	192407	192610	192708	192505	195108
Bushing—Hinge.....	4	192016	192016	192016	192016	192016	192016	192016	192506	192016
Pin—Hinge.....	4	192017	192017	192017	192017	192017	192017	192017	192507	192017
Manifold.....	2	194007	194007	194007	194007	194007	194605	194605	194605	194605
Pipe—Manifold.....	4	192019	192119	192205	192305	192408	192605	192710	192710	192710
O-Ring, Cylinder.....	8	30007	30007	30007	30007	30007	30007	30007	30007	30007
O-Ring, Cylinder Manifold.....	8	30060	30060	30060	30060	30060	30060	30060	30060	30060
O-Ring, Piston.....	4	30000	30000	30000	30000	30000	30000	30000	30000	30000
O-Ring, Packing Adapter Inner.....	8	30005	30005	30005	30005	30005	30005	30005	30005	30005
O-Ring, Packing Adapter Outer.....	8	30006	30006	30006	30006	30006	30006	30006	30006	30006
O-Ring, Thrust Bushing Inner.....	8	30001	30001	30001	30001	30001	30001	30001	30001	300
O-Ring, Thrust Bushing Outer.....	8	30002	30002	30002	30002	30002	30002	30002	30002	300
O-Ring, Pipe Manifold.....	16	30058	30058	30058	30058	30058	30058	30058	30058	30058
O-Ring, Manifold.....	8	30060	30060	30060	30060	30060	30060	30060	30060	30060
O-Ring, Door.....	4	30166	30166	30167	30167	30168	30168	30169	30169	30170
Packing—Ram Shaft.....	28	30003	30003	30003	30003	30003	30003	30003	30003	30003
Retainer Ram Shaft Packing.....	4	40723	40723	40723	40723	40723	40723	40723	40723	40723
Retainer Thrust Bushing.....	4	40001	40001	40001	40001	40001	40001	40001	40001	40001
Retainer Scraper Ring.....	4	40000	40000	40000	40000	40000	40000	40000	40000	40000
Scraper Ring.....	8	40002	40002	40002	40002	40002	40002	40002	40002	40002
Screw, Cap Cylinder.....	28	192072	192072	192072	192072	192072	192072	192072	192072	192072
Screw, Cap—Manifold.....	10	10127	10127	10127	10127	10127	10127	10127	10127	10127
Screw, Cap—Door.....	16 or 24	192111	192111	192012	192111	192409	192606	192711	192310	192409
Screw, Cap—Door Ram Guide.....	16	10108	10108	10108	10108	10108	10108	10108	10108	10108
Screw, Set—Door Cap Screw.....	16 or 24	192021	192021	192021	192021	192021	192021	192021	192021	192021
Screw, Set—Piston Locknut.....	8	10000	10000	10000	10000	10000	10000	10000	10000	10000
Bolt—Lifting Eye.....	2	50004	50004	50004	50004	50004	50004	50004	50004	50004
Stud—Body.....	8	10401	10401	10421	10421	10424	10425	10429	10430	10431
Stud—Side Outlet.....	8	10404	10404	10404	10411	10404	10411	10404	10411	10409
Stud—Cylinder Head.....	28	192071	192071	192071	192071	192071	192071	192071	192071	192071
Nut—Body Stud.....	8	20003	20011	20011	20012	20011	20014	20011	20016	20000
Nut—Side Outlet Stud.....	8	20009	20009	20009	20003	20009	20003	20009	20003	20004
Nut—Cylinder Head Stud.....	28	20001	20001	20001	20001	20001	20001	20001	20001	20001
Plug—Manifold Seal.....	8	177038	177038	177038	177038	177038	177038	177038	177038	177038
Ring—A.P.I. Oval.....	2	50201	50202	50203	50204	50205	50206	50207	50208	50209
Handwheel.....	4	115050	115050	115050	115050	115050	115050	115050	115050	115050
Door Wrench and Ram Puller.....	1	192014	192105	192014	192105	192014	192014	192713	192713	192014
Wrench—Cylinder Cap Screw.....	1	50370	50370	50370	50370	50370	50370	50370	50370	50370
Universal Joints—2" Pipe.....	4	202000	202000	202000	202000	202000	202000	202000	202000	202000
Universal Joints—2 1/2" Pipe.....	4	202100	202100	202100	202100	202100	202100	202100	202100	202100

Number required will be twice the number specified for size of A.P.I. flange.

DIMENSIONAL AND ENGINEERING DATA ON SHAFFER TYPE E HYDRAULIC DOUBLE CONTROL GATES

Refer to Dimensional Drawings—Fig. 32 and Fig. 33

Test Pressure, psi	Vertical Bore	Approx. Weight, Lbs.	Ram Size	A Height	B Width	C Length	D Center to Rear	E Center to Front	F Doors Open to Close Rams	Closing Ratio	Opening Ratio	U.S. Gals. Fluid to Close Rams	U.S. Gals. Fluid to Open Rams
8000	7 1/2"	4915	C.S.O. thru 5 1/2" O.D.	25"	27 1/2"	73 1/2"	13"	14 1/2"	24 1/2"	6 to 1	2.57 to 1	2.75	2.3
10000	7 1/2"	5735	C.S.O. thru 5 1/2" O.D.	27 1/2"	31 1/2"	74 1/2"	14"	17 1/2"	25 1/2"	6 to 1	2.57 to 1	2.75	2.3
6000	9"	5325	C.S.O. thru 7" O.D.	27"	30 1/2"	75"	13 1/2"	16 1/2"	26 1/2"	6 to 1	1.89 to 1	2.75	2.3
10000	9"	6705	C.S.O. thru 7" O.D.	27 1/2"	34"	79"	13 1/2"	18 1/2"	27 1/2"	6 to 1	1.89 to 1	2.75	2.3
6000	11"	6965	C.S.O. thru 8 1/2" O.D.	27 1/2"	34 1/2"	80 1/2"	13 1/2"	18 1/2"	29 1/2"	6 to 1	1.51 to 1	3.25	2.7
10000	11"	9165	C.S.O. thru 9 1/2" O.D.	30 1/2"	38 1/2"	85 1/2"	17 1/2"	21"	31 1/2"	6 to 1	1.35 to 1	3.25	2.7
6000	13 1/2"	10103	C.S.O. thru 10 1/2" O.D.	30"	40 1/2"	91 1/2"	18 1/2"	22"	36 1/2"	6 to 1	1.14 to 1	3.55	2.9
10000	13 1/2"	12245	C.S.O. thru 10 1/2" O.D.	34"	42 1/2"	94 1/2"	19 1/2"	23 1/2"	37 1/2"	6 to 1	1.14 to 1	3.55	2.9
3000	15 1/2"	8300	C.S.O. thru 13 1/2" O.D.	27 1/2"	37 1/2"	98 1/2"	17 1/2"	20 1/2"	34 1/2"	6 to 1	1.05 to 1	3.05	3.0

Shaffer Hydraulic Gates are furnished with 13 1/4" vertical bore but can be furnished with 16" vertical bore upon special order.

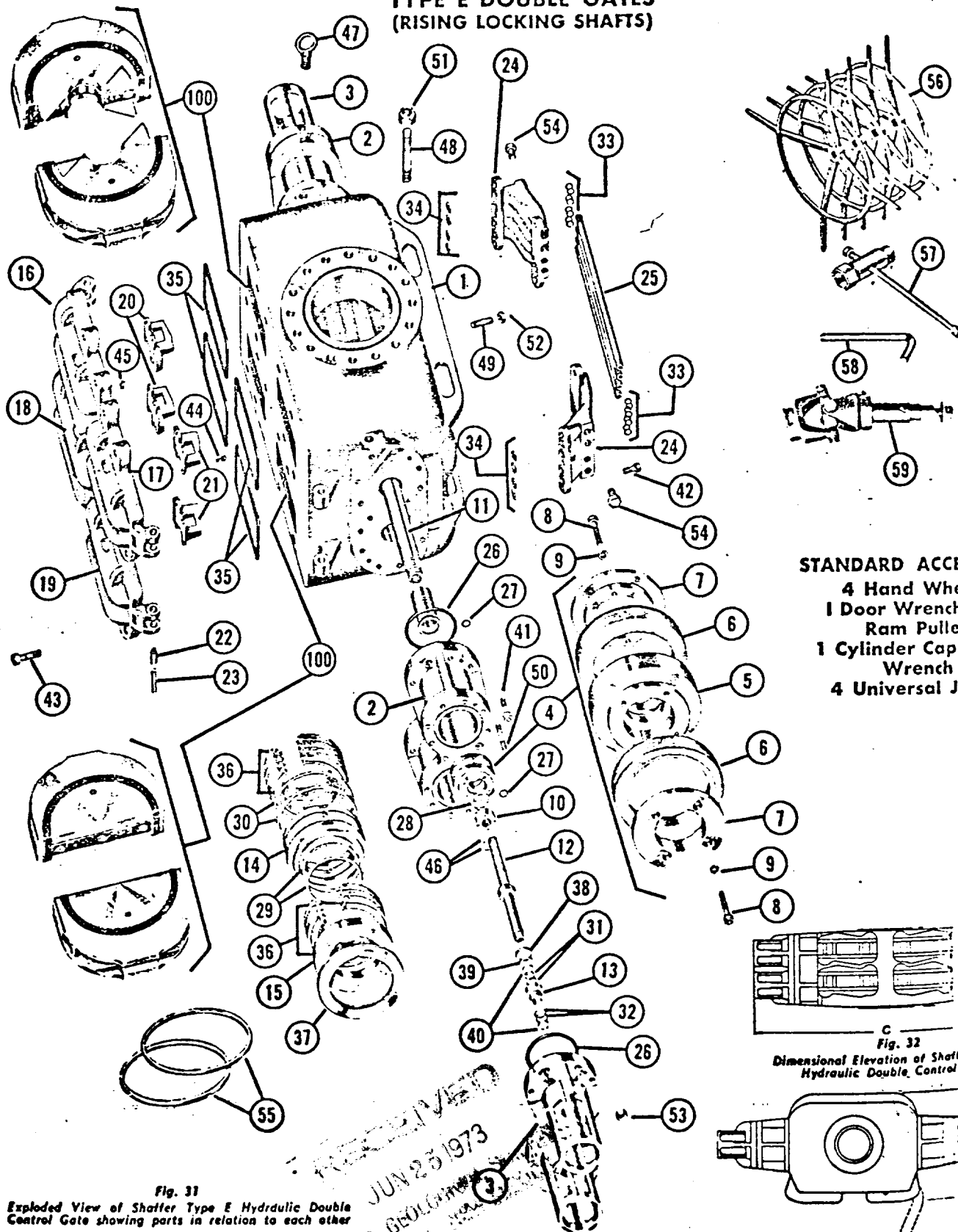


PREVENTERS

SHAFFER HYDRAULIC CONTROL GATES

(Patented)

TYPE E DOUBLE GATES (RISING LOCKING SHAFTS)



STANDARD ACCESSORIES

- 4 Hand Wheels
- 1 Door Wrench and Ram Puller
- 1 Cylinder Cap Screw Wrench
- 4 Universal Joints

Fig. 31
Exploded View of Shaffer Type E Hydraulic Double Control Gate showing parts in relation to each other

Fig. 32
Dimensional Elevation of Shaffer Type E Hydraulic Double Control Gate

Fig. 33
Dimensional Plan of Shaffer Type E Hydraulic Double Control Gate

RECEIVED
JUN 25 1973
J. S. GEORGE
ARTIST