

NMOCC COPY

SUBMIT IN PLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

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

660' FSL & 660' FEL Sec. 9 T-14-S, R-28-E SE/4

At proposed prod. zone 660/S 660/E Sec. 9 Chaves Co, New Mexico
Same

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

10 mi. east of Hagerman, 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

1920

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

330'

19. PROPOSED DEPTH

1750'

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

3572.1 GR

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" -new	24#	250'	300 Sx. Class "C"
7-7/8	4-1/2" -new	11#	1750'	320 Sx. Class "C"

Mid Program: Native mud to 1200'

Drilling mud - 1200' to T. D. W.L. 5, Viscosity 40, Weight 10

Blowout preventers will be employed from 0 to total depth - drawing attached

Logging: Gamma-Ray log

Tops: Queen Sand 1000'

RECEIVED

JAN 17 1978

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Gas not dedicated.

18. 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

B. L. Foree

TITLE Agent

DATE January 4, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APR 20 1978

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

Lee J. Lara

TITLE

ACTING DISTRICT ENGINEER

DATE APR 20 1978

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.

EXPIRES JUL 20 1978

*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 Fed.		Well No. 5
Unit Letter P	Section 9	Township 14 South	Range 28 East	County Chaves
Actual Footage Location of Well: 660 feet from the South line and 660 feet from the East line				
Ground Level Elev. 3572.1	Producing Formation Grayburg - San Juan	Pool San Juan Ranch - Grayburg	Dedicated Acreage: 160 Acres	

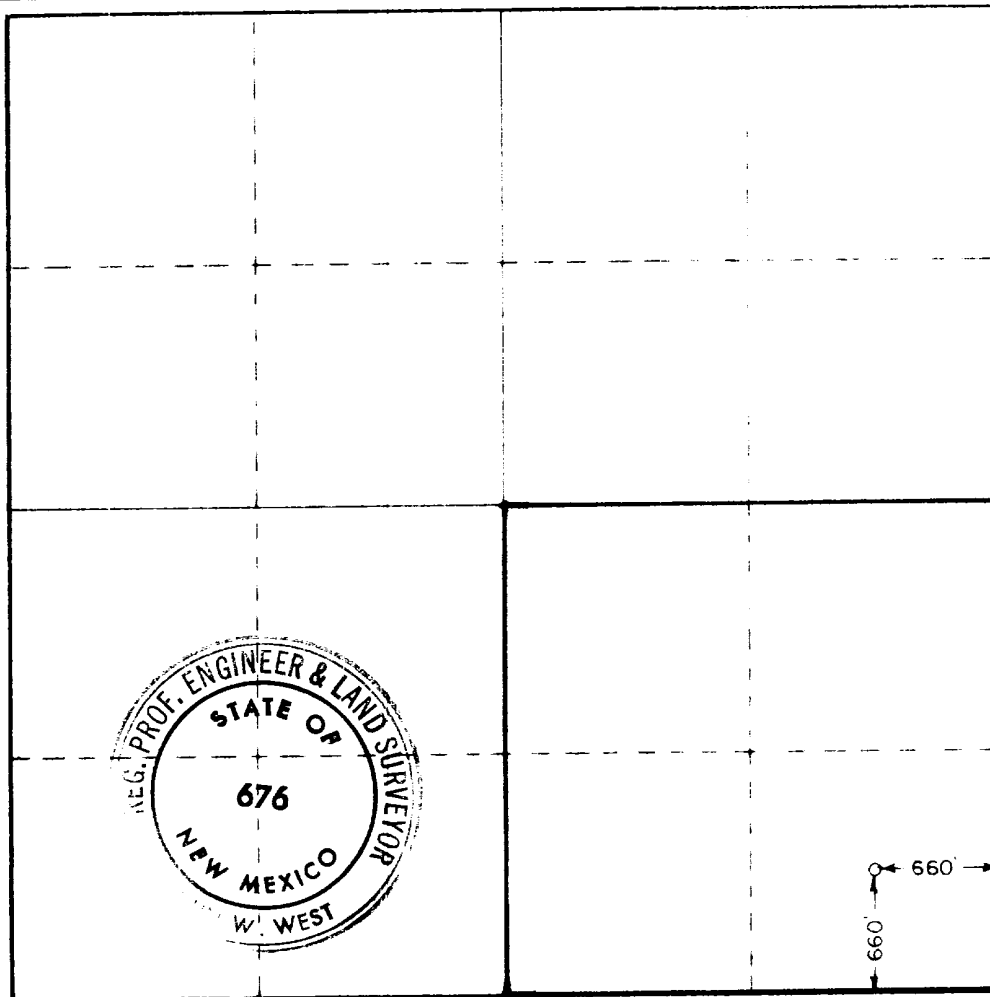
- Outline the acreage dedicated to the subject well by colored pencil or hachure on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereon (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated 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.

RECEIVED
JAN 17 1978
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO



CERTIFICATION

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

R. L. Foree, Jr.
Name: **R. L. Foree, Jr.**
Agent

Signature: **R. L. Foree**

Date: **January 13, 1978**

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: **12/15/77**

Registered Professional Engineer and Land Surveyor

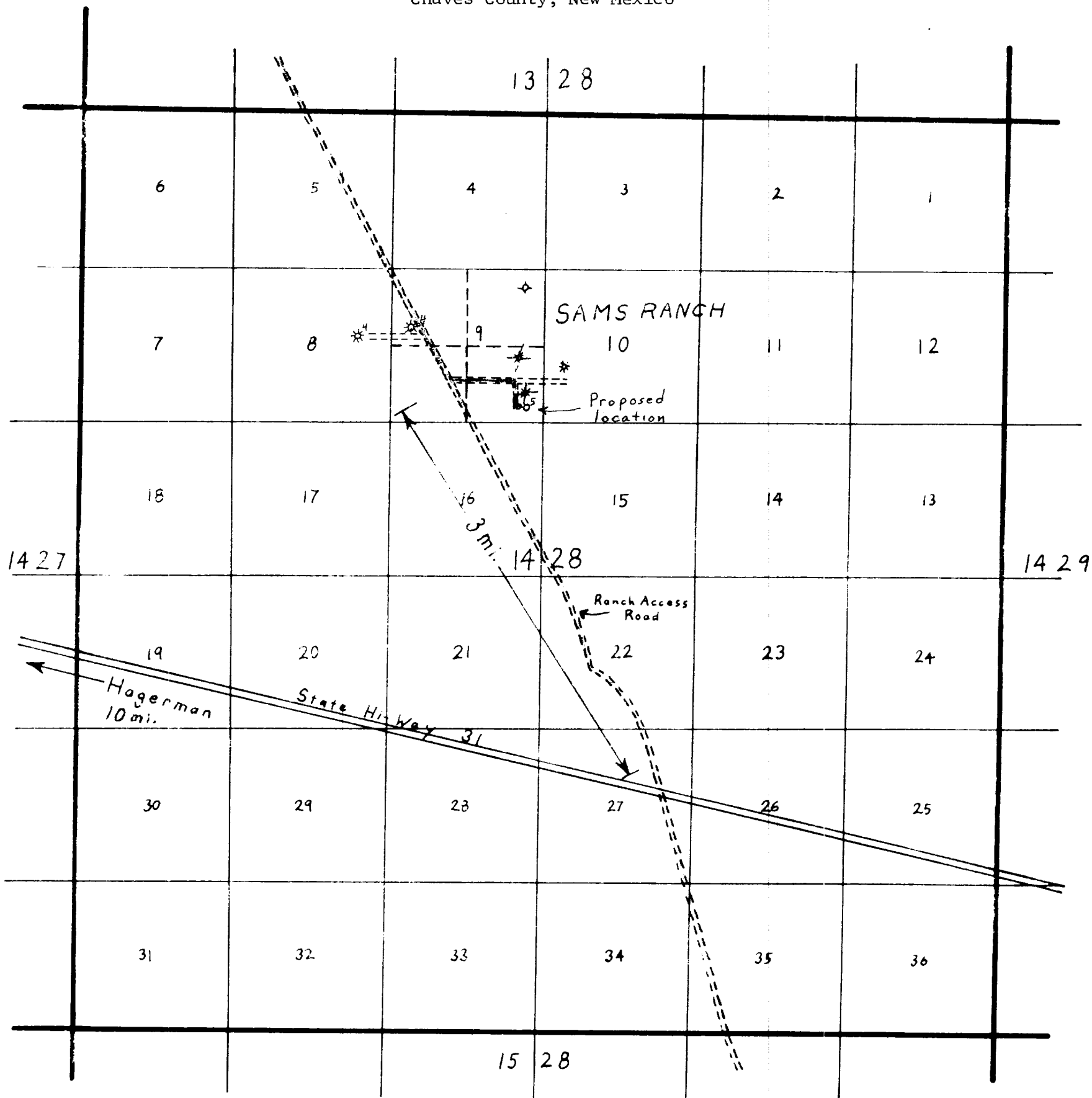
John W. West
Signature

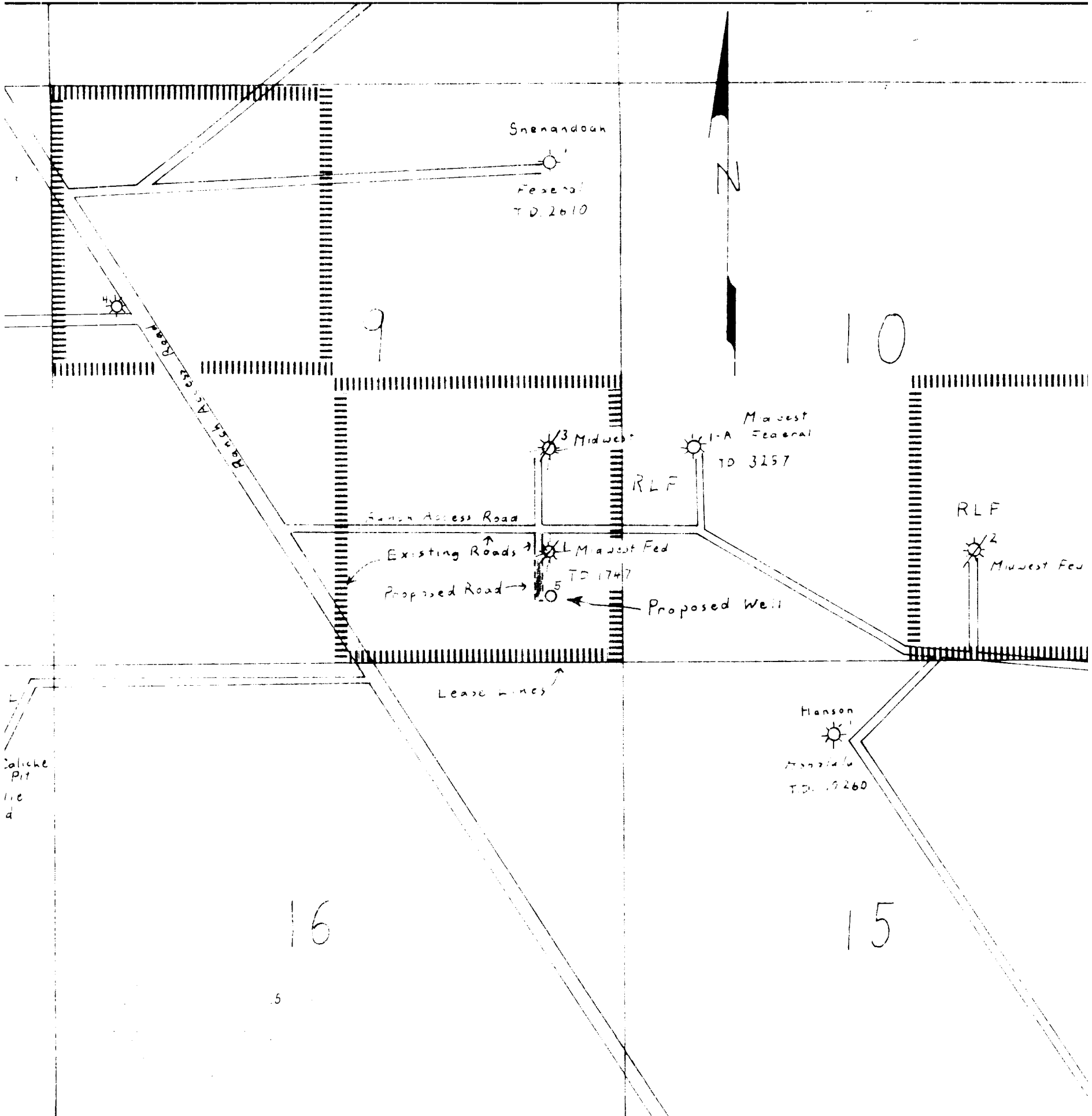
676

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

Wing. 5

Midwest Federal





A hand-drawn map of the RLF site. A north arrow points upwards in the upper left. A horizontal line represents the 'Ranch Access Road'. A vertical line represents the 'Existing Road'. A 'Proposed Road' is shown as a dashed line branching off the existing road. A 'Proposed Well' is indicated by a circle with a crosshair. The area is labeled 'RLF' and 'Midwest Fed. T.D. 1747'. A small circle with the number '5' is also present.

Scale 1" = 500'

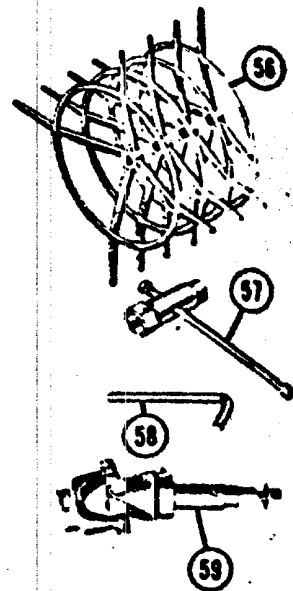
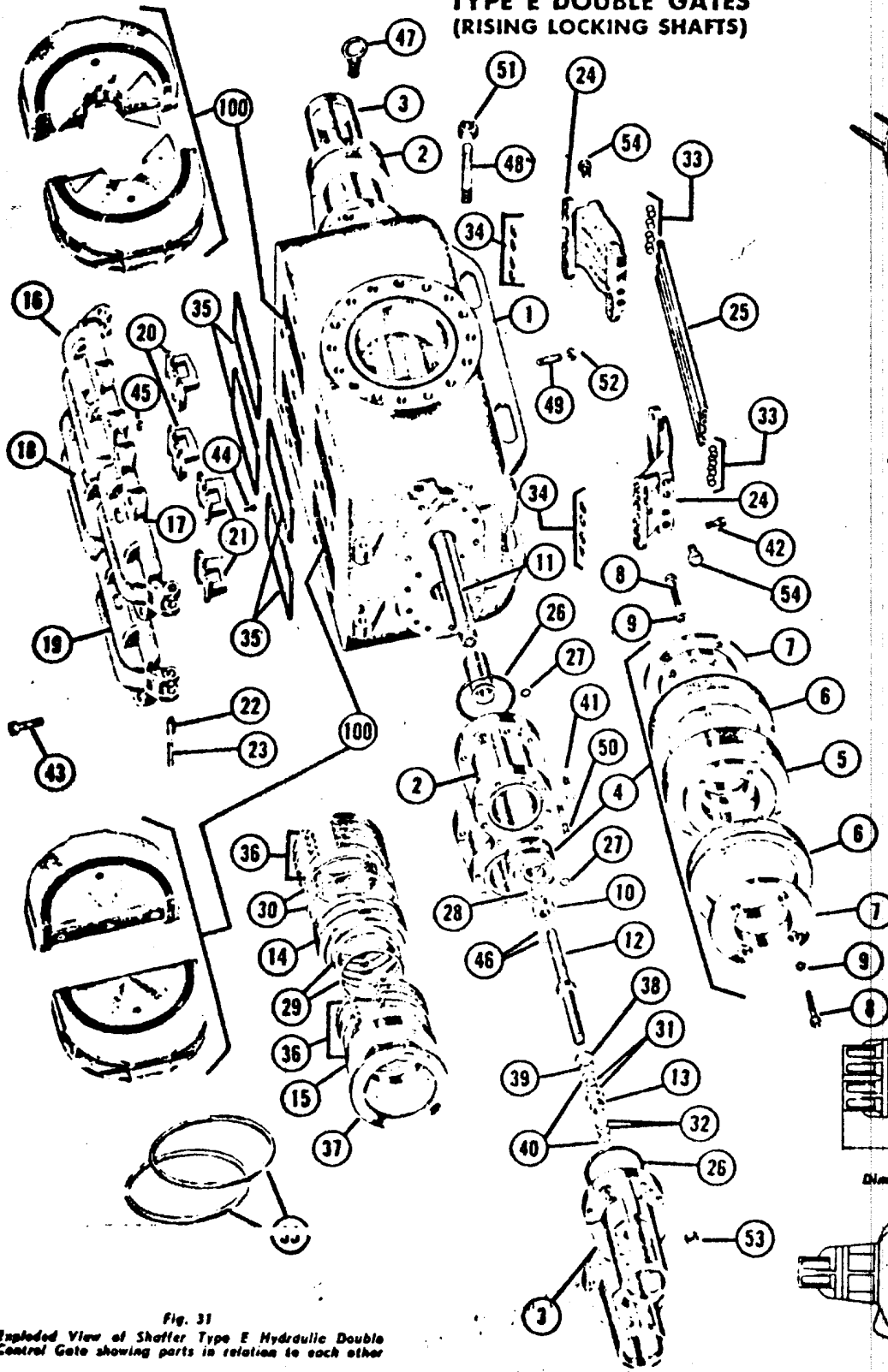


PREVENTERS

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

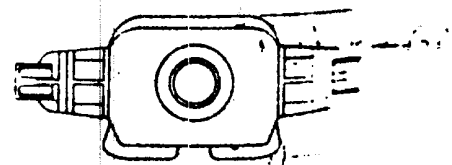


Fig. 33

Dimensional Plan of Shaffer Type E Hydraulic Double Control Gate

SHAFFER TOOL WORKS

SHAFFER HYDRAULIC CONTROL GATES

(Patented)

PREVENTERS

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 1/2" BORE		15 1/4" BORE
		6"	6"	8"	8"	10"	10"	12"	14"	16"
		3000s W.P.	5000s W.P.	3000s W.P.	5000s W.P.	3000s W.P.	5000s W.P.	3000s W.P.	5000s W.P.	2000s W.P.
		Rear Outlet 2"-5000s W.P.	Rear Outlet 2"-5000s W.P.	Rear Outlet 2"-5000s W.P.	Rear Outlet 3"-5000s W.P.	Rear Outlet 3"-5000s W.P.	Rear Outlet 3"-5000s W.P.	Rear Outlet 3"-5000s W.P.	Rear Outlet 3"-5000s W.P.	Rear Outlet 3"-5000s W.P.
Complete Assembly including Standard Accessories.....		193500	193600	193700	193800	193900	196100	196200	196400	1966C
Body.....	1	194001	194101	194201	194301	194401	194601	194701	194901	195101
Cylinder.....	2	194002	194102	194202	194302	194402	194602	194702	194902	195102
Cylinder Head.....	2	195501	195601	195701	195801	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	193401	193601	193702	193703	193703
Shaft—Locking.....	4	115016	115016	115016	115016	115016	115016	115016	115016	115016
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	115028	115028	115028	115028	115028	115028	115028	115028	115028
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	192708	192503	195106
Guide Assembly—Right Door Ram.....	2	192028	192110	192028	192407	192407	192610	192708	192805	195108
Bushing—Hinge.....	4	192016	192016	192016	192016	192016	192016	192016	192016	192016
Pin—Hinge.....	4	192017	192017	192017	192017	192017	192017	192017	192017	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	30080	30080	30080	30080	30080	30080	30080	30080	30080
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	30001
O-Ring, Thrust Bushing Outer.....	8	30002	30002	30002	30002	30002	30002	30002	30002	30002
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	30168	30168	30168	30168	30168	30168	30168	30168	30168
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	192012	192111	192012	192111	192409	192606	192711	192810	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	10603	10421	10422	10424	10425	10429	10430	10431
Stud—Side Outlet.....	8	10404	10404	10404	10411	10404	10411	10404	10411	10409
Stud—Cylinder Head.....	25	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.....	25	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
Iron 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

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

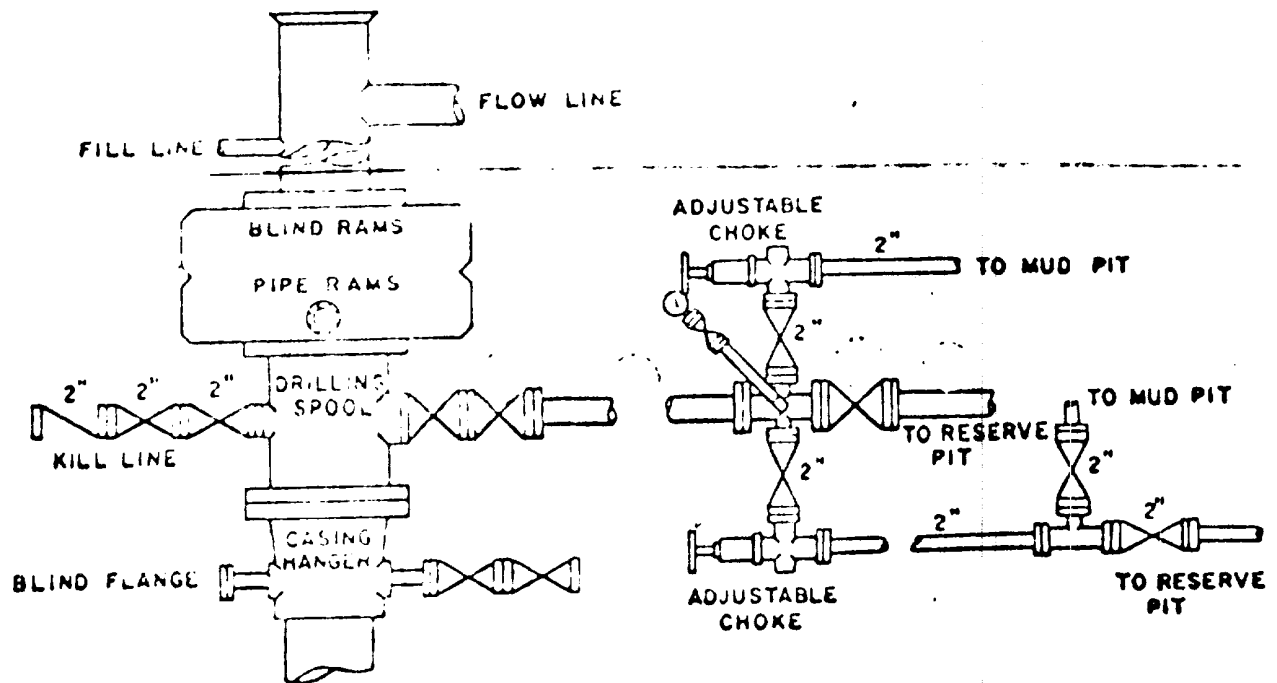
DIMENSIONAL AND ENGINEERING DATA ON SHAFFER TYPE E HYDRAULIC DOUBLE CONTROL GATES

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

Max. Service Pressure (psi)	Test Pressure (psi)	Bores	Approx. Weight (Lbs.)	Ram Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
					Height	Width	Length	Center to Rear	Center to Front	Door Open to Close Rams	Closing Ratio	Opening Ratio	U.S. Gals. Fluid to Close Rams	U.S. Gals. Fluid to Open Rams																
6000	6000	7 1/2"	4915	C.S.O. thru 5 1/2" O.D.	25"	27 1/2"	73 1/2"	13"	14 1/2"	21 1/2"	6 to 1	2.57 to 1	2.75	2.3																
10000	10000	7 1/2"	5735	C.S.O. thru 5 1/2" O.D.	27 1/2"	31 1/2"	74 1/2"	14"	15 1/2"	23 1/2"	6 to 1	2.57 to 1	2.75	2.3																
6000	6000	9"	5525	C.S.O. thru 7" O.D.	27 1/2"	30 1/2"	75 1/2"	13 1/2"	14 1/2"	21 1/2"	6 to 1	2.57 to 1	2.75	2.3																
10000	10000	9"	6205	C.S.O. thru 7" O.D.	27 1/2"	34 1/2"	76 1/2"	14 1/2"	15 1/2"	23 1/2"	6 to 1	2.57 to 1	2.75	2.3																
6000	6000	11"	6965	C.S.O. thru 8 1/2" O.D.	27 1/2"	34 1/2"	80 1/2"	15 1/2"	16 1/2"	24 1/2"	6 to 1	2.57 to 1	2.75	2.3																
10000	10000	11"	9165	C.S.O. thru 8 1/2" O.D.	30 1/2"	34 1/2"	83 1/2"	16 1/2"	17 1/2"	25 1/2"	6 to 1	2.57 to 1	3.25	2.7																
6000	6000	13 1/2"	10105	C.S.O. thru 10 1/2" O.D.	30 1/2"	40 1/2"	94 1/2"	18 1/2"	18 1/2"	26 1/2"	6 to 1	2.57 to 1	3.25	2.7																
10000	10000	13 1/2"	12215	C.S.O. thru 10 1/2" O.D.	34 1/2"	42 1/2"	98 1/2"	19 1/2"	19 1/2"	27 1/2"	6 to 1	2.57 to 1	3.55	2.9																
3000	3000	15 1/2"	13300	C.S.O. thru 12 1/2" O.D.	27 1/2"	37 1/2"	94 1/2"	17 1/2"	17 1/2"	24 1/2"	6 to 1	2.57 to 1	3.85	3.0																

Shafer Hydraulic Gates are furnished with 15 1/2" vertical bore but can be furnished with 16" vertical bore upon special order.

BOP & CHOKE MANIFOLD Hook-up



900 SERIES

APR 20 1976

APR 20 1976

ACTING DISTRICT ENGINEER

APPROVED FOR RELEASE
BY THE DISTRICT ENGINEER

RECEIVED BY THE DISTRICT ENGINEER
APR 20 1976
DISTRICT ENGINEER