

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-005-60267

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		7. UNIT AGREEMENT NAME	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		8. FARM OR LEASE NAME McClellan	
2. NAME OF OPERATOR R. L. FOREE		9. WELL NO. 1	
3. ADDRESS OF OPERATOR 3700 First National Bank Bldg., Dallas, Texas 75202		10. FIELD AND POOL, OR WILDCAT Sams Ranch	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FSL, 1980' FEL, Sec. 14, 14S, 28E		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 14-14S-28E	
At proposed prod. zone same		12. COUNTY OR PARISH Chaves	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles East Hagerman, New Mexico		13. STATE New Mexico	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		17. NO. OF ACRES ASSIGNED TO THIS WELL 160	
16. NO. OF ACRES IN LEASE 240		18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None	
19. PROPOSED DEPTH 1900'		20. ROTARY OR CABLE TOOLS Rotary* under discussion	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3608.6 ground		22. APPROX. DATE WORK WILL START* June 27th	

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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#	1850	200 sx.

Mud Program: Native mud 0-1500'
Drilling mud 1500 - TD W.L. 5, Viscosity 40, Wt. 10

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

* May spud this well with cable tool rig and if so will use control headd.

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed 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 June 14, 1973
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED
JUN 25 1973
R. L. BEEKMAN
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.
SEP 25 1973

*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.

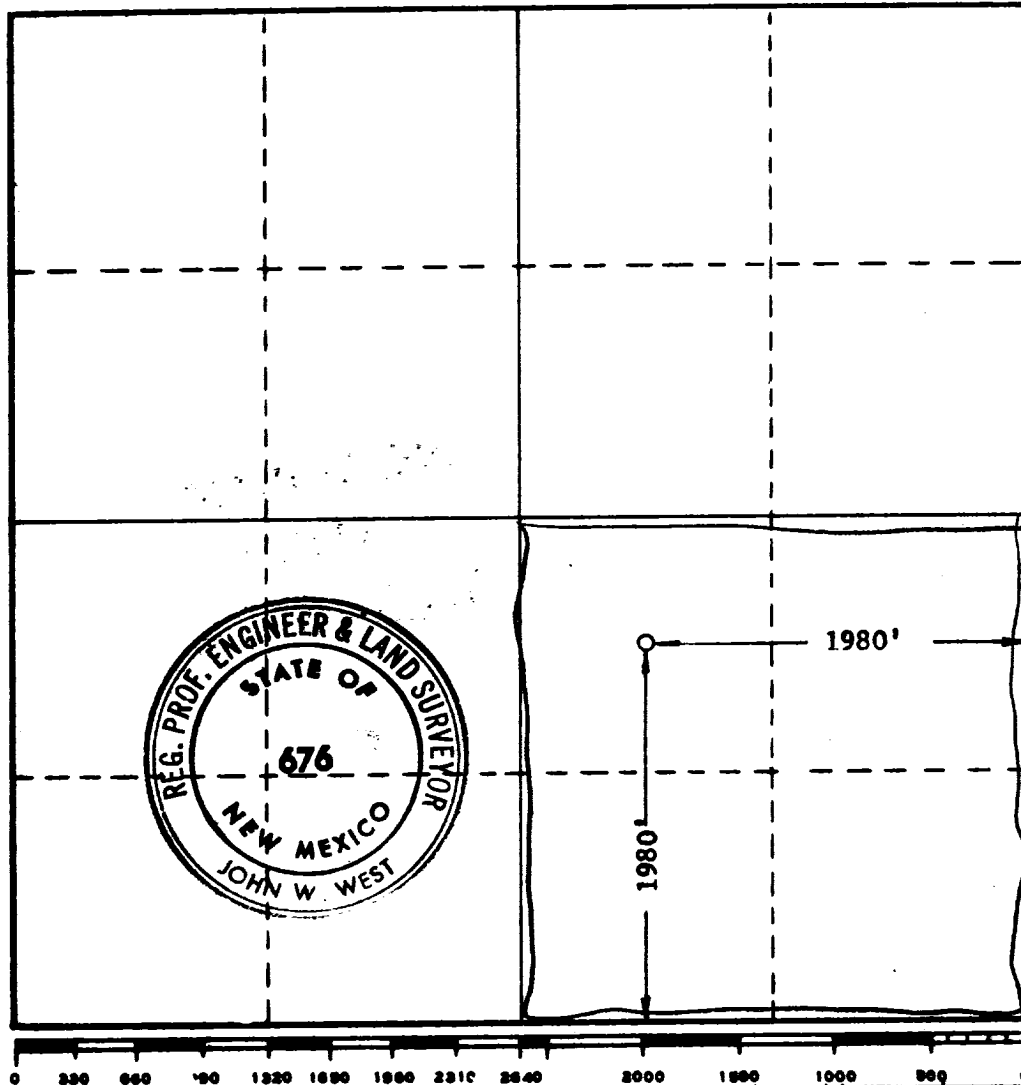
Operator R. L. FOREE			Lease MCCLELLAN			Well No. 1		
Unit Letter J	Section 14	Township 14 SOUTH		Range 28 EAST	County CHAVES			
Actual Footage Location of Well: 1980 feet from the SOUTH line and 1980 feet from the EAST line								
Ground Level Elev. 3608.6	Producing Formation <i>gt.</i>		Pool and <i>Lynn Ranch St 5A</i>			Dedicated Acreage: 160 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 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 *B. L. Foree*
 Position _____
 Company _____
 Date _____

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
6-13-73
 Registered Professional Engineer and/or Land Surveyor
John W. West
 Certificate No. **676**

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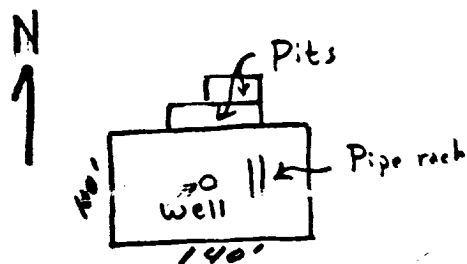
Development Plan for Surface Use

R. L. Force #1 McClellan NW SE Sec 14 T14E R28E

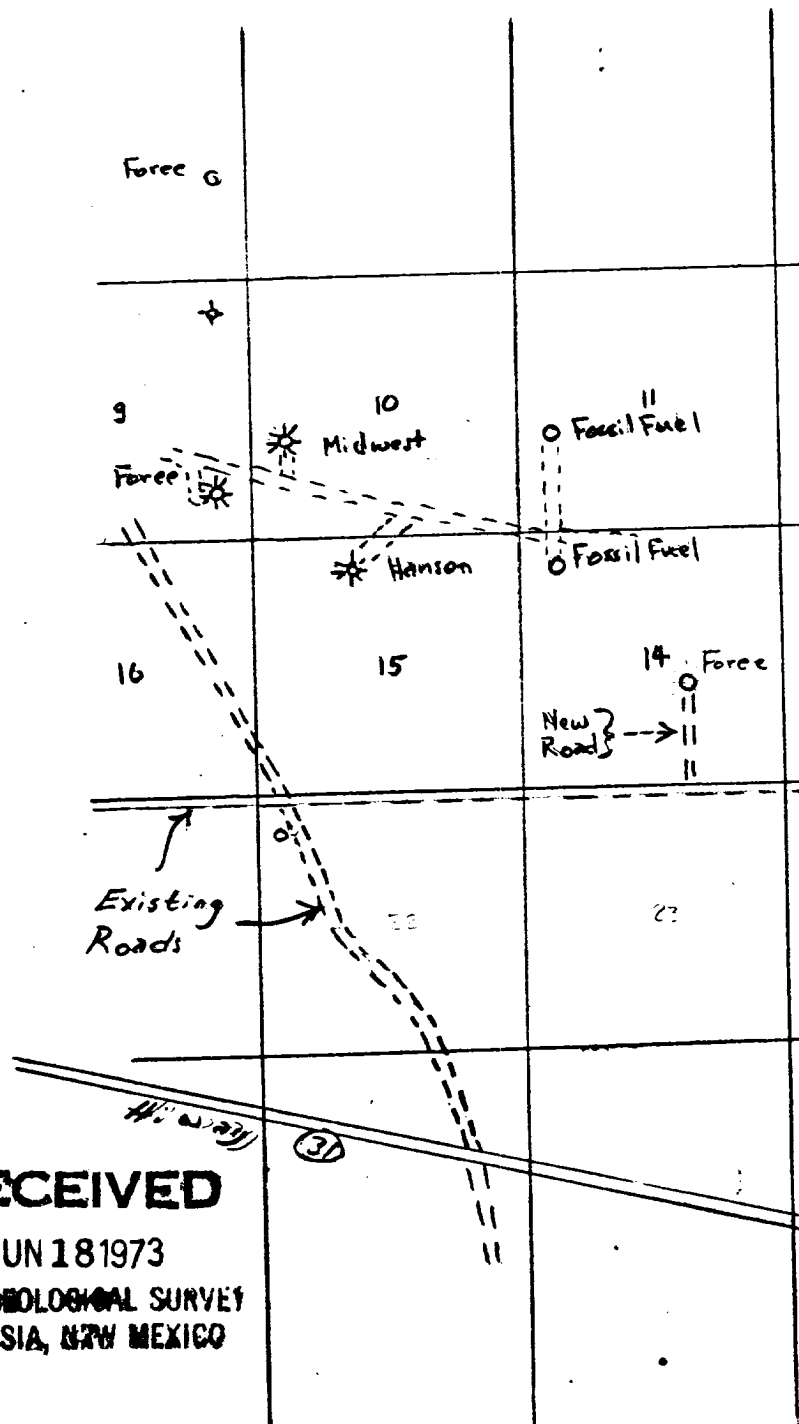
Chaves Co. New Mexico

Note

1. No battery or flow 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.



Location plan



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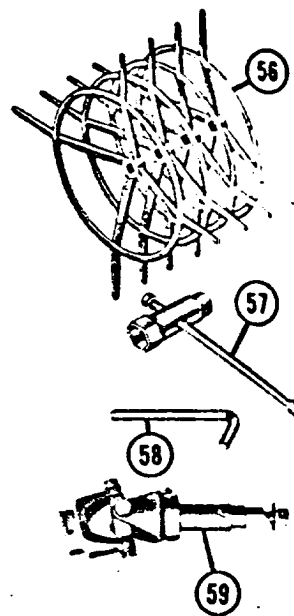
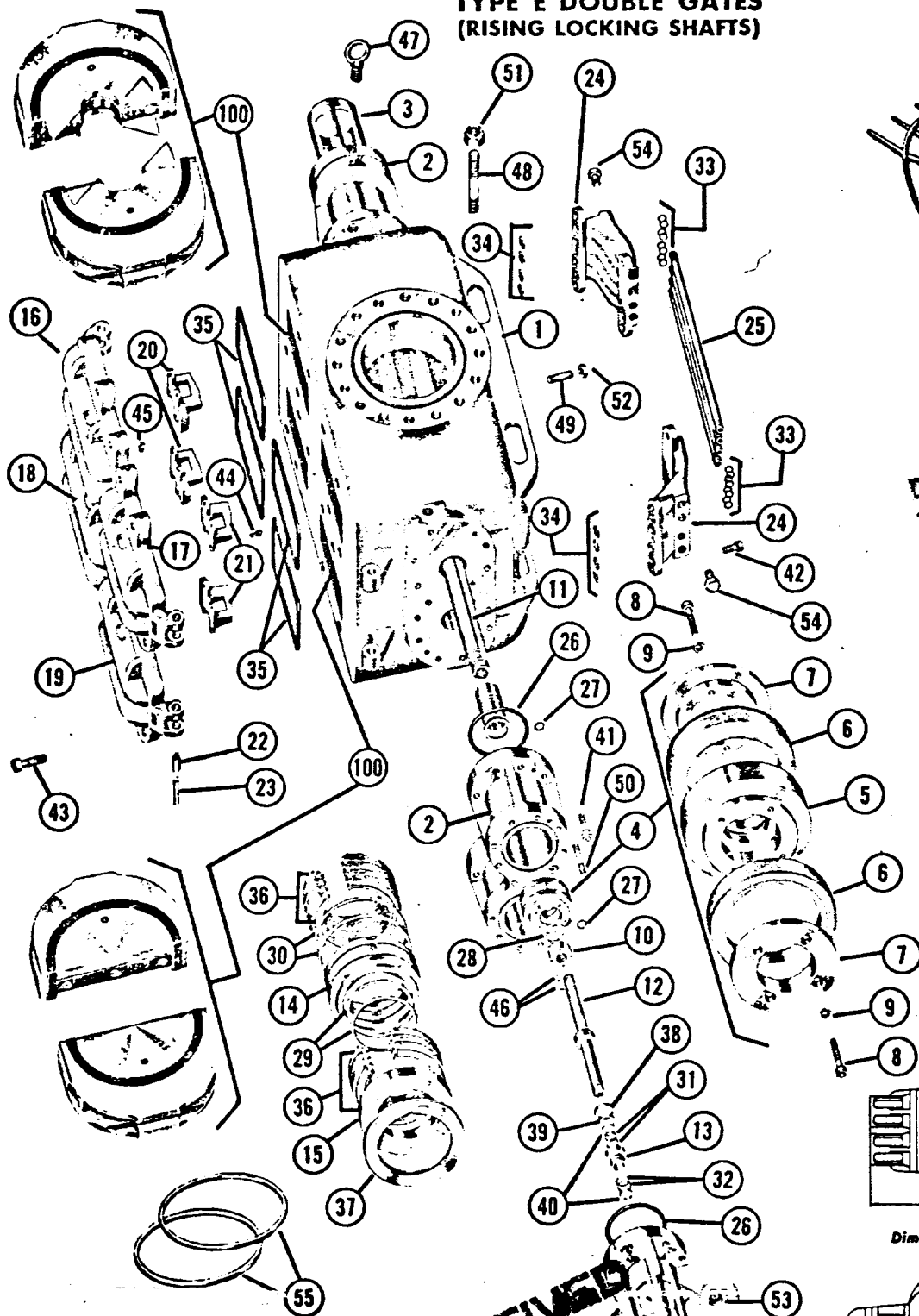


PREVENTERS

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

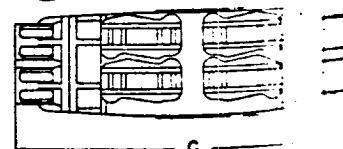


Fig. 32
Dimensional Elevation of Shaffer Type E Hydraulic Double Control Gate

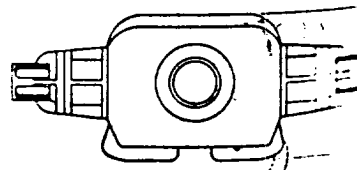


Fig. 33
Dimensional Plan of Shaffer Type E Hydraulic Double Control Gate

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

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SHAFFER TOOL WORKS



SHAFFER HYDRAULIC CONTROL GATES

(Patented)

PREVENTERS

TYPE E DOUBLE GATES PARTS AND SPECIFICATION DATA

Refer to Fig. 31

QTY	NAME OF PART	No. Req'd.	7 1/4" BORE		9" BORE		11" BORE		13 1/4" BORE		15 1/4" BORE
			8"	6"	8"	8"	10"	10"	12"	14"	16"
			3000# W.P. Rear Outlet 2"-5000# W.P.	5000# W.P. Rear Outlet 2"-5000# W.P.	3000# W.P. Rear Outlet 2"-5000# W.P.	5000# W.P. Rear Outlet 3"-5000# W.P.	3000# W.P. Rear Outlet 3"-3000# W.P.	5000# W.P. Rear Outlet 3"-5000# W.P.	3000# W.P. Rear Outlet 3"-3000# W.P.	5000# W.P. Rear Outlet 3"-5000# W.P.	2000# W.P. Rear Outlet 3"-2000# W.P.
	Complete Assembly including Standard Accessories.....		195500	195600	195700	195800	195900	196100	196200	196400	196600
1	Body.....	1	194001	194101	194201	194301	194401	194601	194701	194901	195101
2	Cylinder.....	2	194002	194102	194202	194302	194402	194602	194702	194902	195102
2	Cylinder Head.....	2	195501	195601	195501	195801	195901	196101	196201	196401	196601
4	Piston Assembly.....	4	192006	192006	192006	192006	192006	192006	192006	192006	192006
4	Body—Piston.....	4	192007	192007	192007	192007	192007	192007	192007	192007	192007
8	Rubber—Piston.....	8	115021	115021	115021	115021	115021	115021	115021	115021	115021
8	Retainer—Piston Rubber.....	8	115020	115020	115020	115020	115020	115020	115020	115020	115020
32	Screw, Cap—Piston Rubber Ret.....	32	10003	10003	10003	10003	10003	10003	10003	10003	10003
32	Lockwasher—Piston Rubber Ret.....	32	25032	25032	25032	25032	25032	25032	25032	25032	25032
4	Locknut—Piston.....	4	192103	192103	192103	192103	192103	192103	192103	192103	192103
4	Shaft—Ram.....	4	193002	193101	193201	193301	193501	193601	193702	193702	196610
4	Shaft—Locking.....	4	115016	115016	115016	115016	115016	115016	115016	115016	115016
4	Bushing—Thrust.....	4	115023	115023	115023	115023	115023	115023	115023	115023	115023
4	Ring—Packing Adapter.....	4	192011	192011	192011	192011	192011	192011	192011	192011	192011
4	Ring—Packing Backup.....	4	115026	115026	115026	115026	115026	115026	115026	115026	115026
1	Door—Upper Left.....	1	194005	192013	194203	194305	194405	192604	194705	192502	195104
1	Door—Upper Right.....	1	194006	192013	194204	194305	194406	192604	194706	192502	195105
1	Door—Lower Left.....	1	194005	192013	194203	194305	194405	192604	194705	192502	195104
1	Door—Lower Right.....	1	194006	192013	194204	194305	194406	192604	194706	192502	195105
2	Guide Assembly—Left Door Ram.....	2	192015	192108	192015	192405	192405	192608	192706	192503	195106
2	Guide Assembly—Right Door Ram.....	2	192028	192110	192028	192407	192407	192610	192708	192506	195108
4	Bushing—Hinge.....	4	192016	192016	192016	192016	192016	192016	192016	192016	192016
4	Pin—Hinge.....	4	192017	192017	192017	192017	192017	192017	192017	192017	192017
2	Manifold.....	2	194007	194007	194007	194007	194007	194007	194007	194007	194007
4	Pipe—Manifold.....	4	192019	192119	192205	192305	192405	192605	192710	192710	192710
8	O-Ring, Cylinder.....	8	30007	30007	30007	30007	30007	30007	30007	30007	30007
8	O-Ring, Cylinder Manifold.....	8	30060	30060	30060	30060	30060	30060	30060	30060	30060
4	O-Ring, Piston.....	4	30000	30000	30000	30000	30000	30000	30000	30000	30000
8	O-Ring, Packing Adapter Inner.....	8	30005	30005	30005	30005	30005	30005	30005	30005	30005
8	O-Ring, Packing Adapter Outer.....	8	30006	30006	30006	30006	30006	30006	30006	30006	30006
8	O-Ring, Thrust Bushing Inner.....	8	30001	30001	30001	30001	30001	30001	30001	30001	30001
8	O-Ring, Thrust Bushing Outer.....	8	30002	30002	30002	30002	30002	30002	30002	30002	30002
16	O-Ring, Pipe Manifold.....	16	30058	30058	30058	30058	30058	30058	30058	30058	30058
8	O-Ring, Manifold.....	8	30060	30060	30060	30060	30060	30060	30060	30060	30060
4	O-Ring, Door.....	4	30166	30166	30166	30166	30166	30166	30166	30166	30166
28	Packing—Ram Shaft.....	28	30003	30003	30003	30003	30003	30003	30003	30003	30003
4	Retainer Ram Shaft Packing.....	4	40723	40723	40723	40723	40723	40723	40723	40723	40723
4	Retainer Thrust Bushing.....	4	40001	40001	40001	40001	40001	40001	40001	40001	40001
4	Retainer Scraper Ring.....	4	40000	40000	40000	40000	40000	40000	40000	40000	40000
8	Scraper Ring.....	8	40002	40002	40002	40002	40002	40002	40002	40002	40002
28	Screw, Cap Cylinder.....	28	192072	192072	192072	192072	192072	192072	192072	192072	192072
10	Screw, Cap—Manifold.....	10	10127	10127	10127	10127	10127	10127	10127	10127	10127
16 or 24	Screw, Cap—Door.....	16 or 24	192012	192111	192012	192111	192409	192606	192711	192810	192409
16	Screw, Set—Door Ram Guide.....	16	10103	10103	10103	10103	10103	10103	10103	10103	10103
16 or 24	Screw, Set—Door Cap Screw.....	16 or 24	192021	192021	192021	192021	192021	192021	192021	192021	192021
8	Bolt—Lifting Eye.....	8	10000	10000	10000	10000	10000	10000	10000	10000	10000
2	Stud—Body.....	2	50004	50004	50004	50004	50004	50004	50004	50004	50004
8	Stud—Side Outlet.....	8	10401	10603	10421	10422	10424	10425	10429	10430	10431
28	Stud—Cylinder Head.....	28	10404	10404	10404	10411	10404	10411	10404	10411	10409
28	Nut—Body Stud.....	28	192071	192071	192071	192071	192071	192071	192071	192071	192071
8	Nut—Side Outlet Stud.....	8	20003	20011	20011	20012	20011	20014	20011	20016	20000
28	Nut—Cylinder Head Stud.....	28	20009	20009	20009	20003	20009	20003	20009	20003	20004
8	Plug—Manifold Seal.....	8	20001	20001	20001	20001	20001	20001	20001	20001	20001
2	Ring—A.P.I. Oval.....	2	177038	177038	177038	177038	177038	177038	177038	177038	177038
4	Handwheel.....	4	50201	50202	50203	50204	50205	50206	50207	50208	50209
1	Wrench and Ram Puller.....	1	115050	115050	115050	115050	115050	115050	115050	115050	115050
1	Wrench—Cylinder Cap Screw.....	1	192014	192105	192014	192105	192014	192105	192014	192105	192014
4	Universal Joints—2" Pipe.....	4	50370	50370	50370	50370	50370	50370	50370	50370	50370
4	Universal Joints—2 1/4" Pipe.....	4	202000	202000	202000	202000	202000	202000	202000	202000	202000
4	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

Max. Gate Pressure, psi	Test Pressure, psi	Vertical Bore	Approx. Wt., 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	8000	7 1/4"	4915	C.S.O. thru 5 1/4" O.D.	25"	27 1/4"	73 1/4"	13"	14 1/4"	24 1/4"	6 to 1	2.57 to 1	2.75	2.3
10000	10000	7 1/4"	5735	C.S.O. thru 5 1/4" O.D.	27 1/4"	31 1/4"	74 1/4"	14"	15 1/4"	25 1/4"	6 to 1	2.57 to 1	2.75	2.3
8000	8000	9"	5525	C.S.O. thru 7" O.D.	27 1/4"	30 1/4"	75"	13 1/4"	14 1/4"	24 1/4"	6 to 1	1.89 to 1	2.75	2.3
10000	10000	9"	6705	C.S.O. thru 7" O.D.	27 1/4"	34"	79"	13 1/4"	14 1/4"	24 1/4"	6 to 1	1.89 to 1	2.75	2.3
8000	8000	11"	6965	C.S.O. thru 8 1/4" O.D.	30 1/4"	34 1/4"	80 1/4"	15 1/4"	16 1/4"	26 1/4"	6 to 1	1.51 to 1	3.25	2.7
10000	10000	11"	9165	C.S.O. thru 8 1/4" O.D.	30 1/4"	38 1/4"	85 1/4"	17 1/4"	18 1/4"	28 1/4"	6 to 1	1.35 to 1	3.25	2.7
8000	8000	13 1/4"	10105	C.S.O. thru 10 1/4" O.D.	34"	40 1/4"	94 1/4"	18 1/4"	19 1/4"	30 1/4"	6 to 1	1.14 to 1	3.55	2.9
10000	10000	13 1/4"	12245	C.S.O. thru 10 1/4" O.D.	34"	42 1/4"	94 1/4"	19 1/4"	20 1/4"	31 1/4"	6 to 1	1.14 to 1	3.55	2.9
3000	3000	15 1/4"	8300	C.S.O. thru 13 1/4" O.D.	27 1/4"	37 1/4"	98 1/4"	17 1/4"	18 1/4"	29 1/4"	6 to 1	1.03 to 1	3.85	3.0

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