

NM Oil Cons.
Drawer DD
Artesia NM 88210SUBMIT IN TRIP
(Other instructions
reverse side)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

Forister & Sweatt ✓

3. ADDRESS OF OPERATOR

PO Box 161, Artesia, NM 88210

JUN 21 1982

O. C. D.

ARTESIA, OFFICE

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

At surface

990 FNL 1650 FEI

At proposed prod. zone

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

8 miles northwest of Loco Hills

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 990
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

680

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.

990

19. PROPOSED DEPTH

2700

20. ROTARY OR CABLE TOOLS

Rotary

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

3638.7 GR

22. APPROX. DATE WORK WILL START*

June 25, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2	8 5/8	20#	340	175 sx Circulate
7 7/8	4 1/2	9.5#	2700	700 sx

1. We propose to drill and test the Queen, Grayburg and San Andres formations. Approximately 340' of surface casing will be set. 4 1/2 9.5# production casing will be run, cemented, perforated and frac'd for production.

B.O.P. Program - Shaffer type hydraulic B.O.P. will be installed on surface casing.

Mud Program - Brine water to T.D.

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

TITLE

Partner

DATE

5/27/82

(This space for Federal or State approval)

PERMIT NO.

APPROVED
(Orig. Sgd.) GEORGE H. STEWART

APPROVAL DATE

APPROVED BY

JUN 16 1982

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JAMES A. CILLHAM
DISTRICT SUPERVISOR

USE FRESH water mud from surface to 350 feet.

Form approved.
Budget Bureau No. 42-R1425.
6. 015-24170
7. UNIT
8. FARM OR LEASE NAME
Bear Dra
9. WELL NO.
3
10. FIELD AND POOL, OR
Bear Draw Q.
11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec 28 T16S R29E
12. COUNTY OR PARISH
Eddy
13. STATE
New MexicoPartial ID-1
API + NH Book
6-25-82

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-67

All distances must be from the outer boundaries of the Section

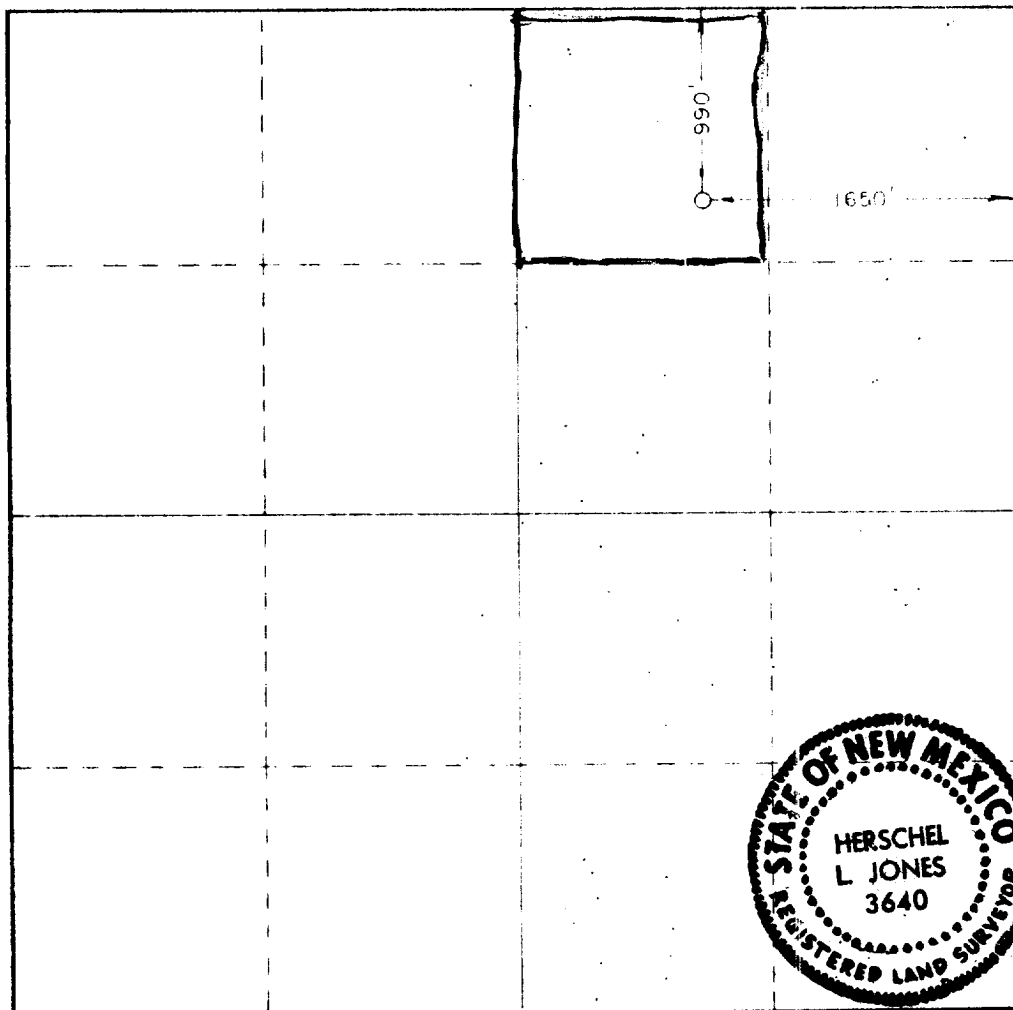
Owner FORISTER & SWATT		Location Bear Draw		Well No. 3
Section B	Range 28	Township 16 South	Meridian 29 East	County Eddy
Actual Section Containing Well:				
Section 920	Foot from the North Line and	1650	Foot from the East Line	
Actual Section Containing Well 3638.7'	Production Formation Recess - Grayburg - S.A.	Oil O.G.S.A. Bear Draw	Dedicated Acreage: 40	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.



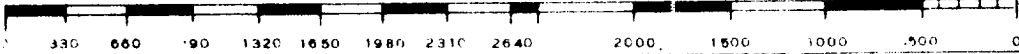
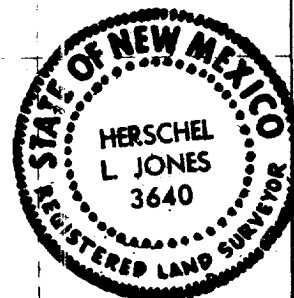
CERTIFICATION

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

Name *Danny Fourn*
 Position *Partner*
 Company *Forister & Sweett*
 Date *5-27-82*

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 *May 21, 1982*
 Registered Professional Engineer and/or Land Surveyor
Herschel L. Jones
 Certificate No. *3640*



Forister & Sweatt
PO Box 161
Artesia, N.M. 88210

APPLICATION FOR DRILLING

Forister-Sweatt
Bear Draw #3
Sec 28 T16S R29E
990 FNL 1650 FEL
Eddy County, New Mexico
Lease: NM 15007

In conjunction with Form 9-331C, Application for Permit to Drill Subject well, Forister-Sweatt submits the following items of pertinent information in accordance with USGS requirements.

1. The geologic surface formation is Sandy Alluvium.
2. The estimated tops of geologic markers are as follows:

Seven Rivers	1060'
Penrose	1930'
Metex	2290'
Premier	2400'
Lovington	2530'
San Andres	2650'

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: Approx. 200
Oil or Gas: Penrose 1920', Metex 2280'
Premier 2420'; Lovington 2540'

4. Proposed Casing Program: See Form 9-331C
5. Pressure Control Equipment: See Form 9-331C.
6. Mud Program: See Form 9-331C.
7. Auxillary Equipment: Blowout Preventor. Exhibit E.
8. Testing, Logging and Coring Program:
Logging: Gamma-Neutron log before casing is set.
9. No abnormal pressures are anticipated.
10. Anticipated starting date: June 25, 1982.
Anticipated completion date: July 25, 1982

SHAFFER HYDRAULIC BLOWOUT PREVENTERS (Patented)

TYPE B and TYPE E PREVENTERS

Shaffer Type B and Type E Blowout Preventers are similar in basic design and construction, except that the Type B has a *non-rising* locking shaft (for applications where end dimensions must be kept to a minimum) —and the Type E has a *rising* locking shaft (to provide quick indication of ram position where end dimensions

are not critical). Externally, the only visual difference between the two designs is in the end caps, as shown in Fig. 52 and 53. Internally, there are differences in the locking shaft parts, as shown in the exploded views, Figs. 58 and 61.

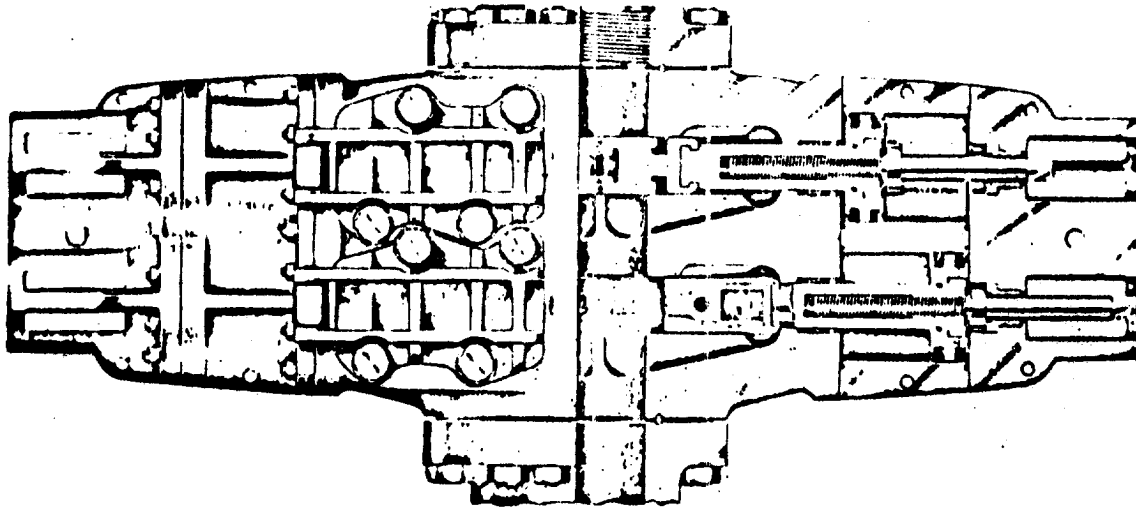


Fig. 53
Shaffer Type E Hydraulic Double Blowout Preventer—front View

10" Shaffer Type B Series 900, Double Hydraulic w/Payne Closing Unit. SIDE DOOR RAM CHANGES

In Type B and Type E Preventers, access to the ram compartments is through heavily-ribbed side doors, which are hinged and bolted to the body. The doors are fitted with adequate packing to amply withstand the pressure rating of the Preventer, and are opened by simply loosening four cap screws in each door, whereupon they can be readily swung open. The cap screws remain in the door when opened, eliminating risk of losing or misplacing them.

Each side door incorporates a horizontal guide which, in conjunction with integral guides in the opposite side of the body, holds the ram assemblies in accurate horizontal alignment when the doors are closed. Therefore, the ram assemblies are automatically centered in the Preventer body by simply closing and

bolting the doors. Note in Figs. 15 through 18, Page 4347, the ease with which rams are changed through the side-opening doors.

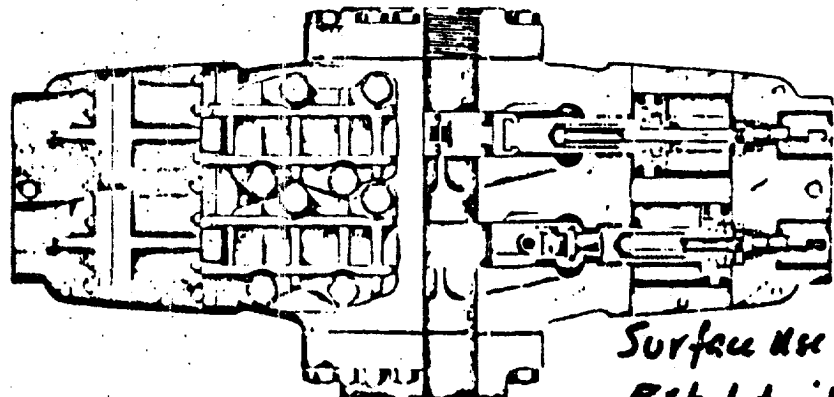


Fig. 52
Shaffer Type B Hydraulic Double Blowout Preventer—front View

Surface HX Plan
Exhibit 'E'