Form 9-331 C
(May 1963)

NM OIL CONS. COMMISSION
Drawer
Artesia, NM 88210

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-015-24014

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

RECEIVED
DEC 9 1981
O. C. D.
ARTESIA, OFFICE

2. NAME OF OPERATOR: Forister & Sweatt

3. ADDRESS OF OPERATOR: PO Box 161, Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface: 1980 FSL 1980 FEL
At proposed prod. zone:

5. LEASE DESIGNATION AND SERIAL NO.: NM 15007

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Bear Draw

9. WELL NO.: #2

10. FIELD AND POOL, OR WILDCAT: Bear Draw Q.GR.SA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Ut-J Sec 28 T16S R29E

12. COUNTY OR PARISH: Eddy — 13. STATE: New Mexico

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. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
1980	680	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
1320	2800	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3634.5 GR

22. APPROX. DATE WORK WILL START*: Dec. 15, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12¼	8 5/8	20#	300	175 sx - circulate
7 7/8	4½	9.5#	2700	450 sx

We propose to drill & test the Queen, Grayburg and San Andres formation. Approximately 300 feet of surface casing will be set. 4 1/2" production casing will be run, cemented, perforated and frac'd for production.

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

Mud Program - Fresh water gel to T.D.

RECEIVED
NOV 16 1981
OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, 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 Harvey Forister TITLE Partner DATE 11/04/81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED
DEC 8 1981
JAMES A. GILLHAM
DISTRICT SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

N MEXICO OIL CONSERVATION COMMISS

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	Lease	Well No.
FORISTER & SWEATT	Bear Draw	2

Unit Letter	Section	Township	Range	County
J	28	16 South	29 East	Eddy

Actual Footage Location of Well:
1980 feet from the South line and 1980 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3634.5	Q Gr. SA	Bear Draw Q.GR.SA.	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

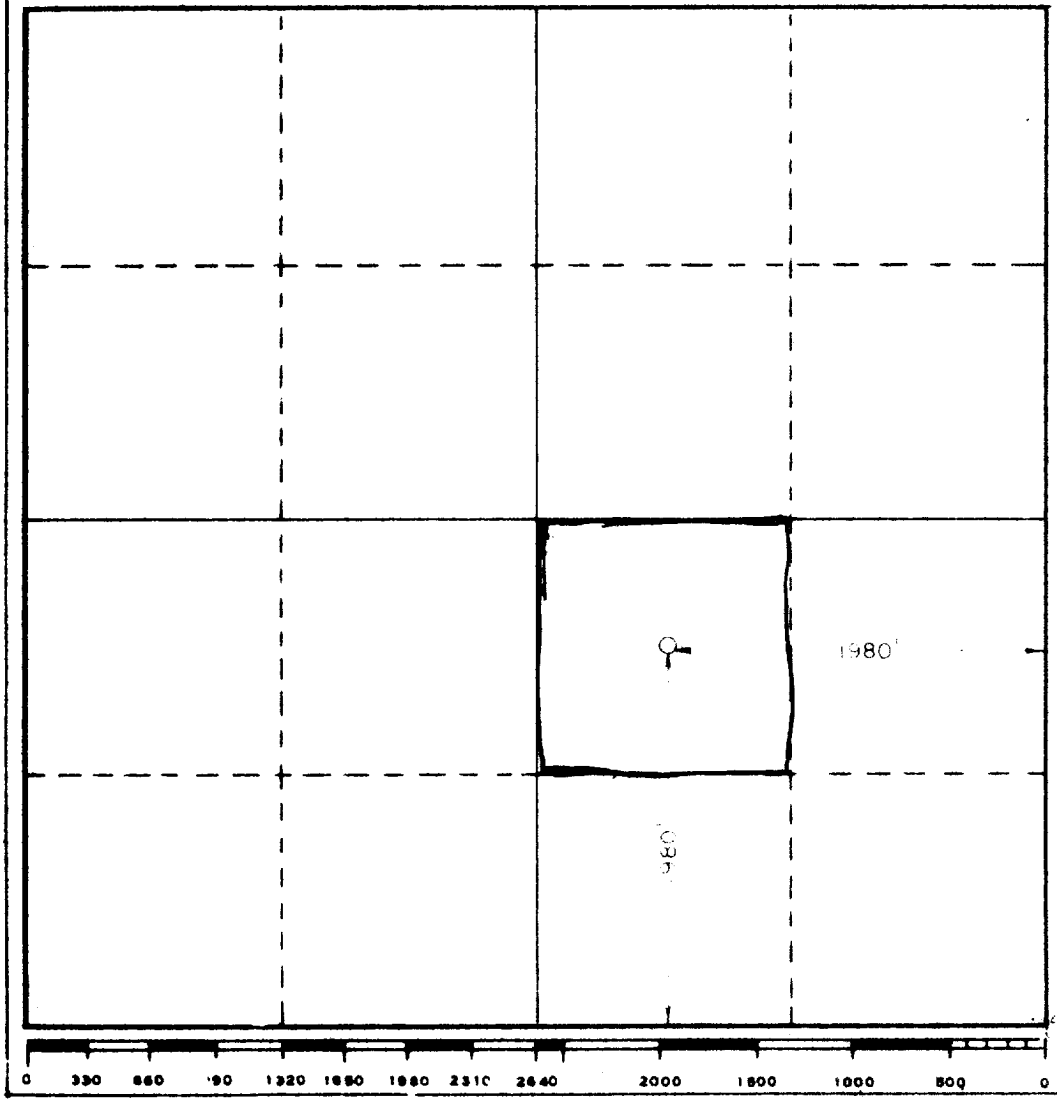
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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: Clarence Forister

Position: Partner

Company: Forister & Sweatt

Date: 11-04-81

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.

STATE OF NEW MEXICO — HERSCHEL L. JONES — 3640 — REGISTERED LAND SURVEYOR

Date Surveyed: October 19, 1981

Registered Professional Engineer and/or Land Surveyor

Certificate No. 3640

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

APPLICATION FOR DRILLING

Forister-Sweatt
Bear Draw #2
Sec 28 T16S R29E
1980 FSL 1980 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 1970', Metex 2295', Premier 2428', 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

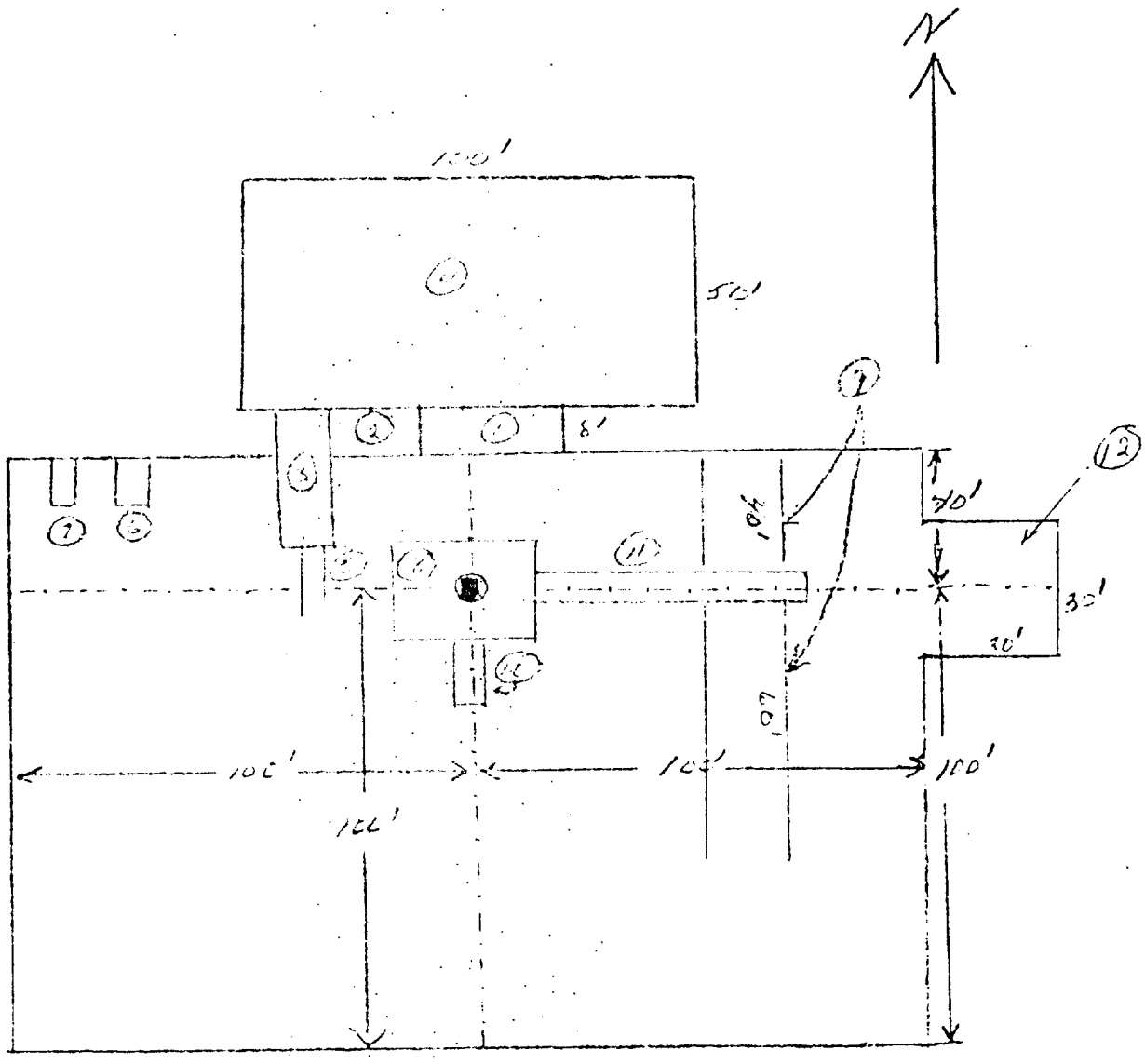
8. Testing, Logging and Coring Program:

Logging: Gamma-Nertron log before casing is set.

9. No abnormal pressures are anticipated.

10. Anticipated starting date: Dec. 15, 1981.
Anticipated completion date: Jan. 15, 1982.

WEK DRILLING CO., INC.
RIG #1 LOCATION & MUD PIT SPECS.



1. Shale Pit 30' x 8'
2. Mud Pit 20' x 8'
3. Suction Pit 30' x 8'
4. Reserve Pit 100' x 50'
5. Pump
6. Water Tank
7. Fuel Tank
8. Rig
9. Pipe Racks
10. Dog House
11. Cat Walk 60'
12. Stinger

Surface Use Pl

Exhibit D

Schaeffer Type E 10" Series 900 Hydraulic BOP. The waste and debris from this well will be disposed of in a reserve pit and covered up.

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.

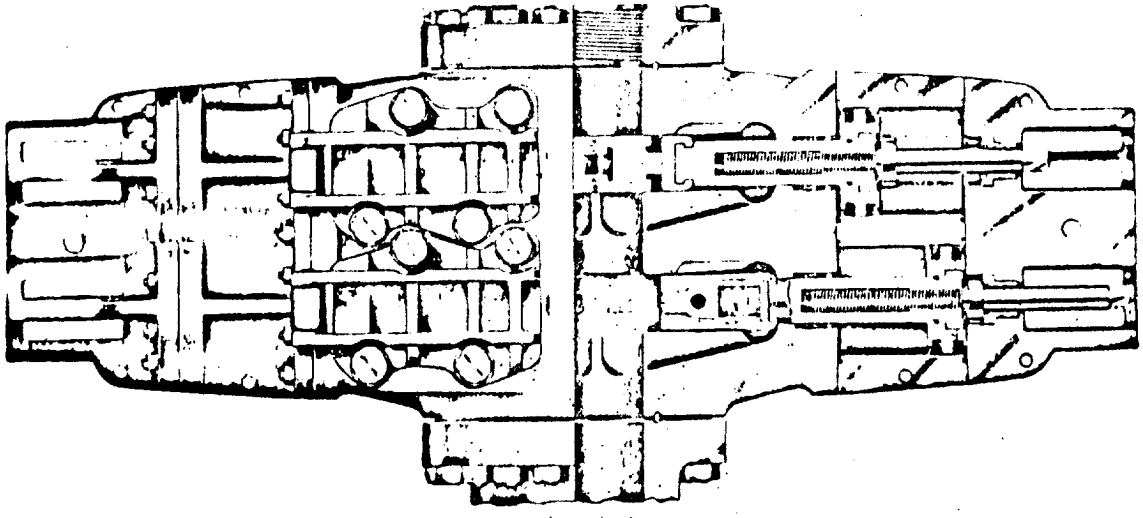


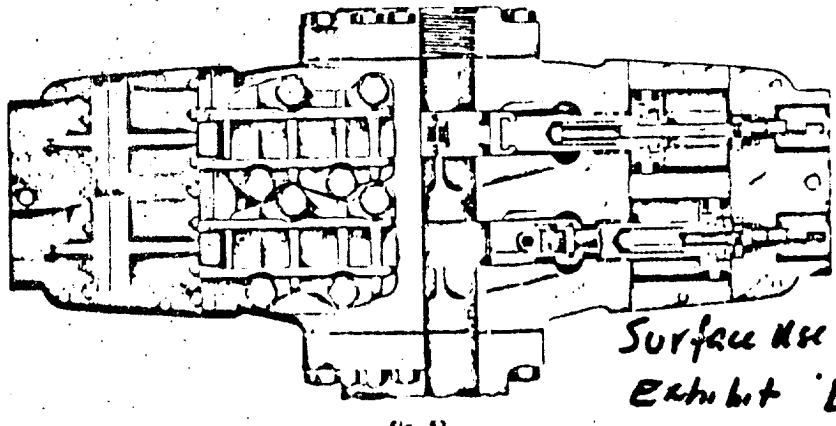
Fig. 52
Shaffer Type E Hydraulic Double Blowout Preventer—Front View

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.



Surface Use Plan
Exhibit 'E'

Fig. 53
Shaffer Type B Hydraulic Double Blowout Preventer—Front View