30-005-62477

NM Oil Cons. Commission
Drawer DD
Artesia, NM 88210

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

b. TYPE OF WELL
OIL WELL [ ] GAS WELL [x] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
STEVENS OPERATING CORPORATION

3. ADDRESS OF OPERATOR
P.O. BOX 2203, ROSWELL, NM. 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface 660 FSL, 660 FWL, SEC 13, T7S, R26E
At proposed prod. zone A30 Ut. M

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5. LEASE DESIGNATION AND SERIAL NO.
NM-29621

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Irwin Federal

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
Pecos ~~Abo~~ Slope Abo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Unit M - Sec. 13, T7S, R26E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
26 miles northeast of Roswell.

12. COUNTY OR PARISH
Chaves

13. STATE
NM

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
1240

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2650'

19. PROPOSED DEPTH
4900'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3812.5 GR

22. APPROX. DATE WORK WILL START*
March 30, 1987

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
$14\frac{1}{4}$	~~10 3/4~~ 8 5/8	~~45~~ 24	~~300'~~ 700'	sufficient to circ to surf
7 7/8	$4\frac{1}{2}$	10.5	4900'	sufficient to circ into 10 3/4

Well will be drilled to a total depth of 4900'. All Potential Pay Zones will be evaluated and if commercial production is indicated, well will be selectively perforated and stimulated. Gas is not dedicated.

Attached are:

1. Well location and dedication plat.
2. Supplemental Drilling Data
3. Surface Use Plan

MAR 19 1987
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 John E White TITLE Production Manager DATE 2-9-87

(This space for Federal or State office use)

PERMIT NO. ______ APPROVAL DATE ______

APPROVED BY S/Phil Kirk TITLE Area Manager DATE MAR 24 1987

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE TITLE TO THOSE RIGHTS IN THE SUBJECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON.

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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	Lease	Well No.
STEVENS OPERATING ~~COMPANY~~ Corp.	IRWIN FED.	1

Unit Letter	Section	Township	Range	County
M	13	7 SOUTH	26 EAST	CHAVES

Actual Footage Location of Well:
660 feet from the SOUTH line and 660 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3812.5'	Abo	Pecos Slope Abo	160 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?

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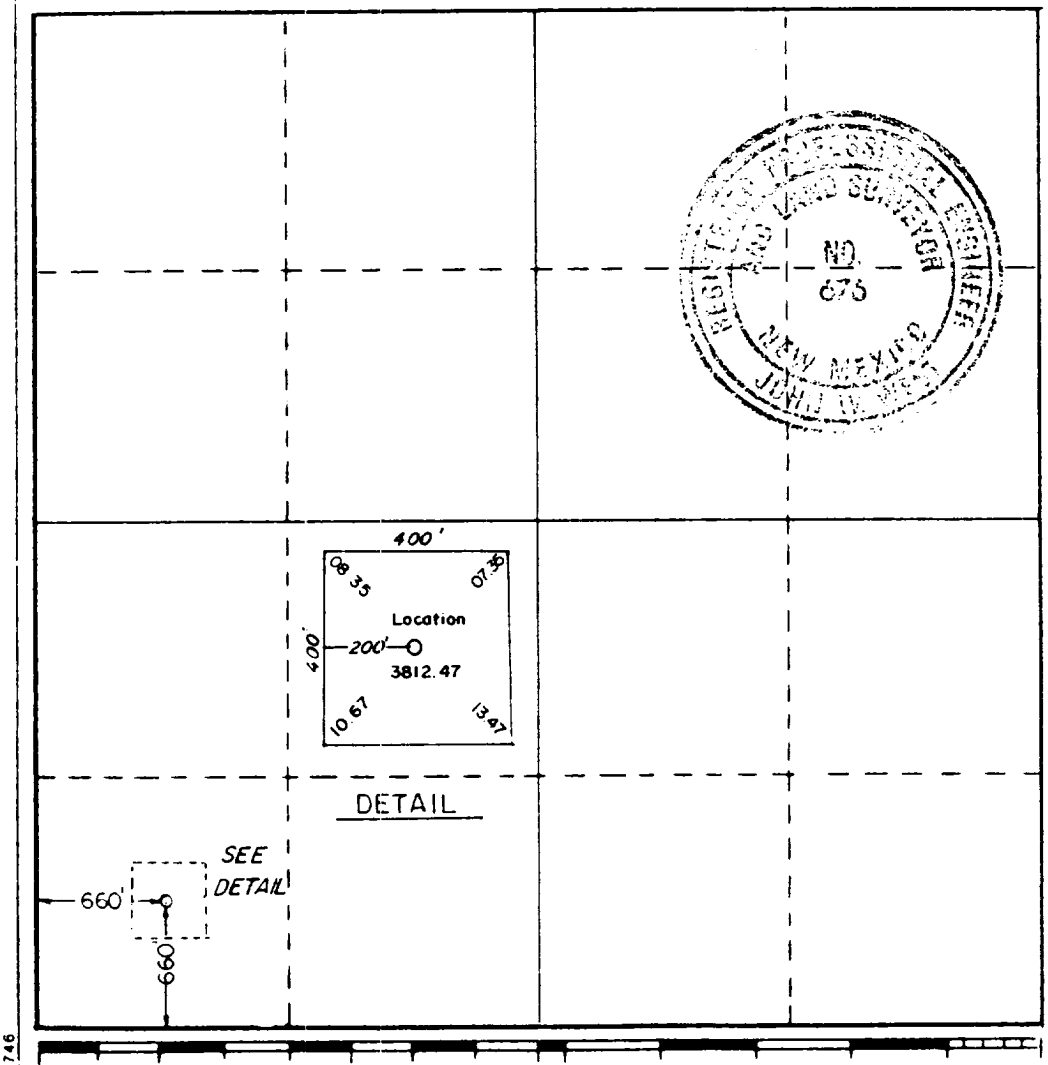
☐ Yes ☒ No If answer is "yes," type of consolidation _____

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: John E. White

Position: Production Superintendent

Company: Stevens Operating Corp.

Date: March 19, 1987

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.

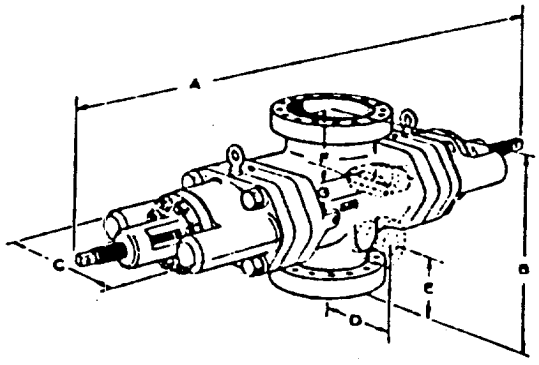
Date Surveyed: SEPT. 5, 1986

Registered Professional Engineer and/or Land Surveyor

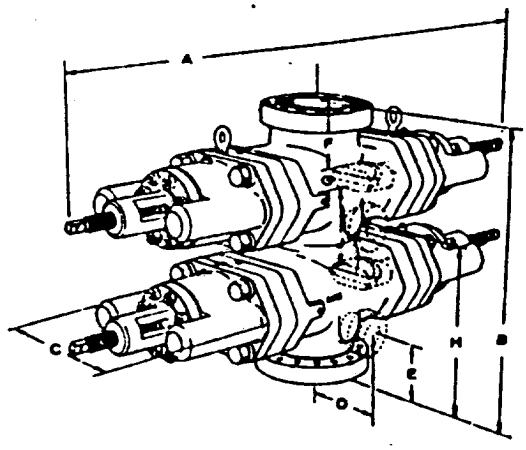
Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

91746

U BLOWOUT PREVENTER ENGINEERING DATA



Single Open Face Flanged U Blowout Preventer



Double Open Face Flanged U Blowout Preventer

Side Outlets to 4" size (7-1/16" on 26-3/4" preventers) can be provided beneath each set of rams, on either or both sides of U preventers. Side outlet flanges are open face and have the same pressure rating as the vertical run flanges. Valve removal preparations can be provided. To obtain a quotation, the number and size of outlets should be specified.

Flanges conform to API Standard 6A. Type 6BX flanges are standard for 10,000 psi, 15,000 psi, and 20,000 psi working pressures and for 5000 psi working pressures for 13-5/8" and larger bore preventers.

Although most preventers have open face flanges or Cameron clamp hubs, preventers with studded flanges can be furnished.

Sizes and Dimensions are in inches. The over-all length "A" given in the tables does not include the optional wedgelocks. No spacers between rams are included in the table of dimensions of double ram models. Preventers with spacers to clear tool joints can be obtained on special order. For information on preventers with spacers, or sizes not listed, consult your Cameron representative.

Hydraulic Control Connections to operate rams and bonnets are 1" NPT. There are two connections for each set of rams. Hydraulic ram lock connections are 1/2" NPT.

Engineering Data Designations. See Charts on Following Page

- **A-1** Over-all length, bonnets closed, locking screws locked
- **A-2** Over-all length, ram change, bonnets opened, locking screws unlocked
- **B-1** Over-all height flanged
- **B-2** As above, with Cameron clamp hubs
- **C** Over-all width without side outlets (max. width)
- **D** Centerline of preventer to outlet flange or hub face. Distance is variable.
- **E-1** Centerline of side outlet (outlet below lower rams in double model) to bottom flange face
- **E-2** As above, to bottom hub face
- **F-1** Top of upper ram to top flange face
- **F-2** As above, to top hub face
- **G** Ram height
- **H-1** Centerline of side outlet between rams to bottom flange face
- **H-2** As above, to bottom hub face
- **J** Top of lower ram to bottom of upper ram

SUPPLEMENTAL DRILLING DATA

STEVENS OPERATING CORPORATION
WELL - IRWIN FEDERAL #1
660 FSL, 660 FWL, SEC. 13, T7S, R26E
NM-29621
CHAVES COUNTY, NEW MEXICO

1. SURFACE FORMATION: Alluvium

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

San Andres	911′	P-1	1461′
Glorietta	2102′	Yeso	3540′
Abo	4288′	TD	4900′

3. ANTICIPATED POROSITY ZONES:

Water	150′ - 200′
Oil	911′ - 2102′
Gas	4288′ - 4900′

4. CASING DESIGN:

Size	Interval	Weight	Grade	Joint	Condition
10 3/4	0-300′	45#	J-55	STC	New
4 1/2	0-4400′	10.5#	J-55	STC	New

5. SURFACE CONTROL EQUIPMENT:

A double Ram-Type preventer. (900 Series) A sketch of BOP stack is attached.

6. CIRCULATING METHOD:

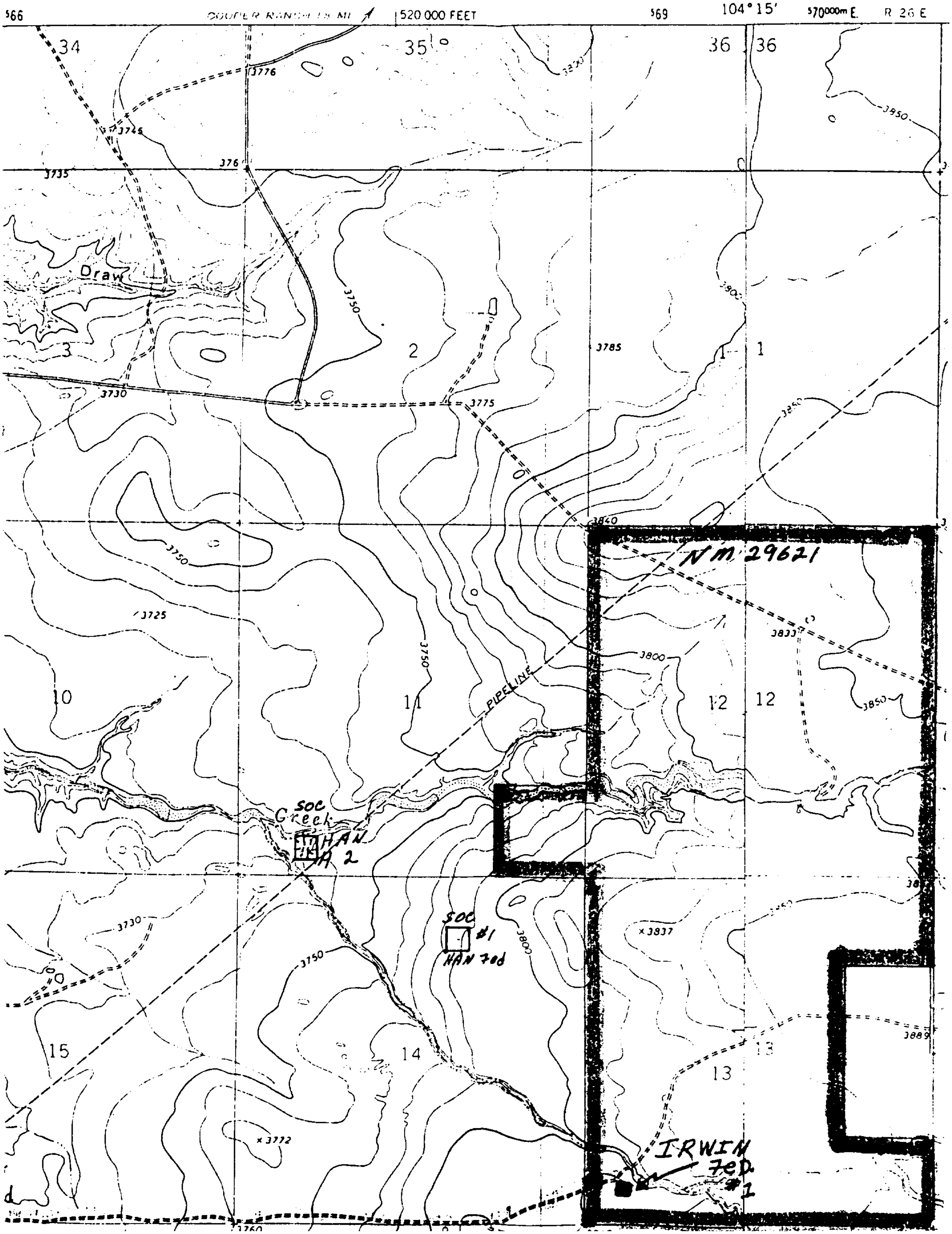
0-750 Fresh water mud with gel added if needed.
950-4400 Salt water mud, conditioned as necessary for control of viscosity and water loss.

7. AUXILIARY EQUIPMENT:

Drill string safety valve.

EIGHTMILE DRAW QUADRANGLE
NEW MEXICO-CHAVES CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

DEPARTMENT OF
GEOLOGICA



PLAT FOR PIT LOCATION FOR ARTESIA FISHING TOOL

Rigs #1 & #2; L & M DRILLING #2 and LARUE DRILLING #2