

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

NM OIL CONS. COMMISSION IN
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

dst

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ RECEIVED ZONE ☐

2. NAME OF OPERATOR
Mewbourne Oil Company ✓

3. ADDRESS AND TELEPHONE NO.
P.O. Box 5270 Hobbs, New Mexico 88241 (505) 393-5905

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1980' FWL & 660' FNL
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
7 1/4 miles SW of Loco Hills, New Mexico

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE 1,000

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

19. PROPOSED DEPTH 8,400'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3470' GR

22. APPROX. DATE WORK WILL START December 15, 1994

5. LEASE DESIGNATION AND SERIAL NO.
NM-27279

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Santo Nino "30" Fed. #1 15853

9. API WELL NO.
30-015-28157

10. FIELD AND POOL, OR WILDCAT
Santo Nino Bone Spring

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 54600

Sec. 30-T18S-R30E

12. COUNTY OR PARISH Eddy

13. STATE N.M.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" J-55	48#	400' +/-	400 sacks of Class "C" CIRCULATE
12-1/4"	8-5/8" J-55	24#	2,500' +/-	800 sacks of Class "C" CIRCULATE
7-7/8"	5-1/2" J-55	17#	8,400' +/-	600 sacks of Class "H"

Mewbourne Oil Company proposes to drill to a depth sufficient to test the Bone Spring formation for oil. If productive, 5-1/2" casing will be cemented at T.D. If non-productive, the well will be plugged and abandoned in a manner consistent with federal regulations. Specific programs are outlined in the following attachments:

Drilling Program

Surface Use and Operating Plan

- Exhibit #1 - Location and Elevation Plat
- Schedule #1 - Casing Design Program
- Exhibit #2, 2A, Attachment - Blowout Preventor & Choke Manifold Equipment
- Exhibit #3, 3A - Existing and Planned Access Road w/Location
- Exhibit #4 - One Mile Radius Map w/Attachment
- Exhibit #5 - Proposed Drilling Rig Layout
- Exhibit #6 - Proposed Production Facilities Layout

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

SIGNED Bill Pierce TITLE Drilling Superintendent DATE August 22, 1994

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval 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 the production thereon.

CONDITIONS OF APPROVAL, IF ANY:

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED**

APPROVED BY (ORIG. SGD.) RICHARD L. MANUS TITLE AREA MANAGER DATE 10-6-94

*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.

*Post ID-1
10-31-94
Mew L & AP L*

RECEIVED
SEP 1 1 50 PM '94

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when requested by Federal or State agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

ITEM 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR Part 3160.

PRINCIPAL PURPOSE: The information is to be used to process and evaluate your application for permit to drill or deepen an oil or gas well.

ROUTINE USES: (1) The analysis of the applicant's proposal to discover and extract the Federal or Indian resources encountered. (2) The review of procedures and equipment and the projected impact on the land involved. (3) The evaluation of the effects of proposed operation on surface and subsurface water and other environmental impacts. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions, as well as routine regulatory responsibility.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if the operator elects to initiate drilling operation on an oil and gas lease.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 30 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 1849 C Street, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0136), Washington, D.C. 20503.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq) requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases.

This information will be used to analyze and approve applications.

Response to this request is mandatory only if the operator elects to initiate drilling operations on an oil and gas lease.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-28157		Pool Code 54600	Pool Name Santo Nine Bone Spring
Property Code NM 27279 15853	Property Name SANTO NINO "30" FEDERAL		Well Number 1
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY		Elevation 3470

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	30	18S	30E		660	NORTH	1980	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 80		Joint or Infill N		Consolidation Code		Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Bill Pierce</i> Signature Bill Pierce Printed Name Drilling Superintendent Title August 22, 1994 Date		
	18 SURVEYOR CERTIFICATION 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 belief. 7/26/94 Date of Survey Signature of Professional Surveyor: <i>Herschel L. Jones</i> Certificate Number 3640		
	19		
	20		

Operator: MEWBOURNE OIL COMPANY | Well Name: Santo Nino 30 Fed #1

Project ID: Bone Spring Oilwell | Location: NW4 Sec. 30-T18S-R30E

Design Parameters:

Mud Weight (9.63 ppg) : 0.500 psi/ft
Shut in casing pressure : 3374 psi
Internal gradient (burst) : 0.098 psi/ft
Annular gradient (burst) : 0.499 psi/ft
Tensile load is determined using buoyed weight
Service rating is "Sweet"

Design Factors:

Collapse : 1.125
Burst : 1.00
8 Round : 1.80 (J)
Buttress : 1.60 (J)
Other : 1.50 (J)
Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	8,400	5.500	17.00	K-55	LT&C	8,400	4.767		
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	4200	4910	1.169	3374	5320	1.58	121.78	272	2.23 J

Prepared by : Bill Pierce, Roswell, New Mexico

Date : 08-19-1994

Remarks :

5 1/2 inch Prod. Casing

Minimum segment length for the 8,400 foot well is 100 feet.

SICP is based on the ideal gas law, a gas gravity of 0.80, and a mean gas temperature of 116°F (Surface 74°F , BHT 158°F & temp. gradient 1.000°/100 ft.)

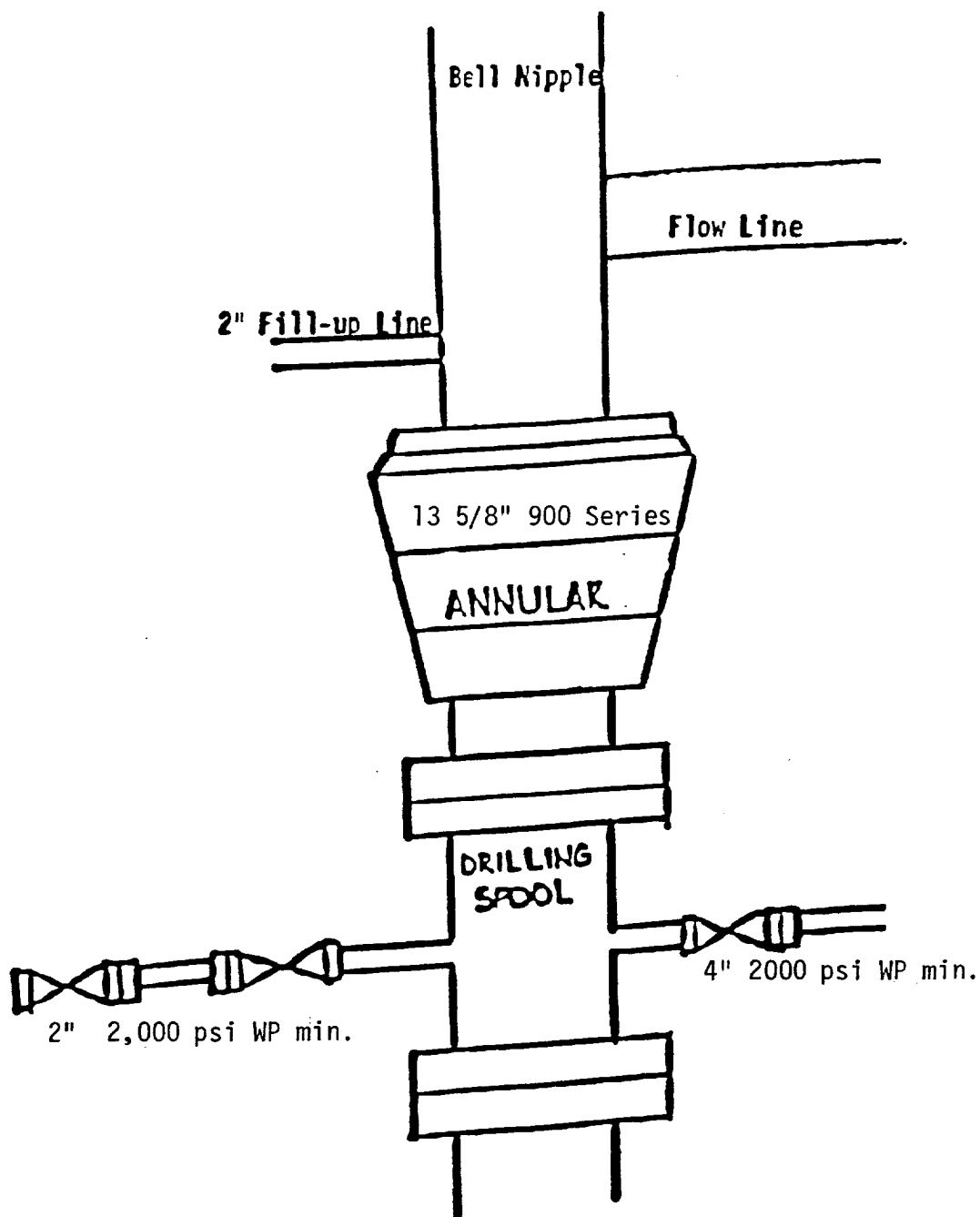
An annular mud weight of 10.000 ppg was used for burst purposes. The differential mud gradient below any lost-circulation depth is -0.400 psi/ft and the bottom hole pressure load is 11 psi.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1987 pricing model. (Version 1.06)

MEWBOURNE OIL COMPANY
Santo Nino "30" Federal #1
1980' FWL & 660' FNL
Section 30-T18S-R30E
Eddy County, New Mexico
Lease # NM-27279

Schedule #1

BOP SCHEMATIC
12 1/4" Intermediate Hole

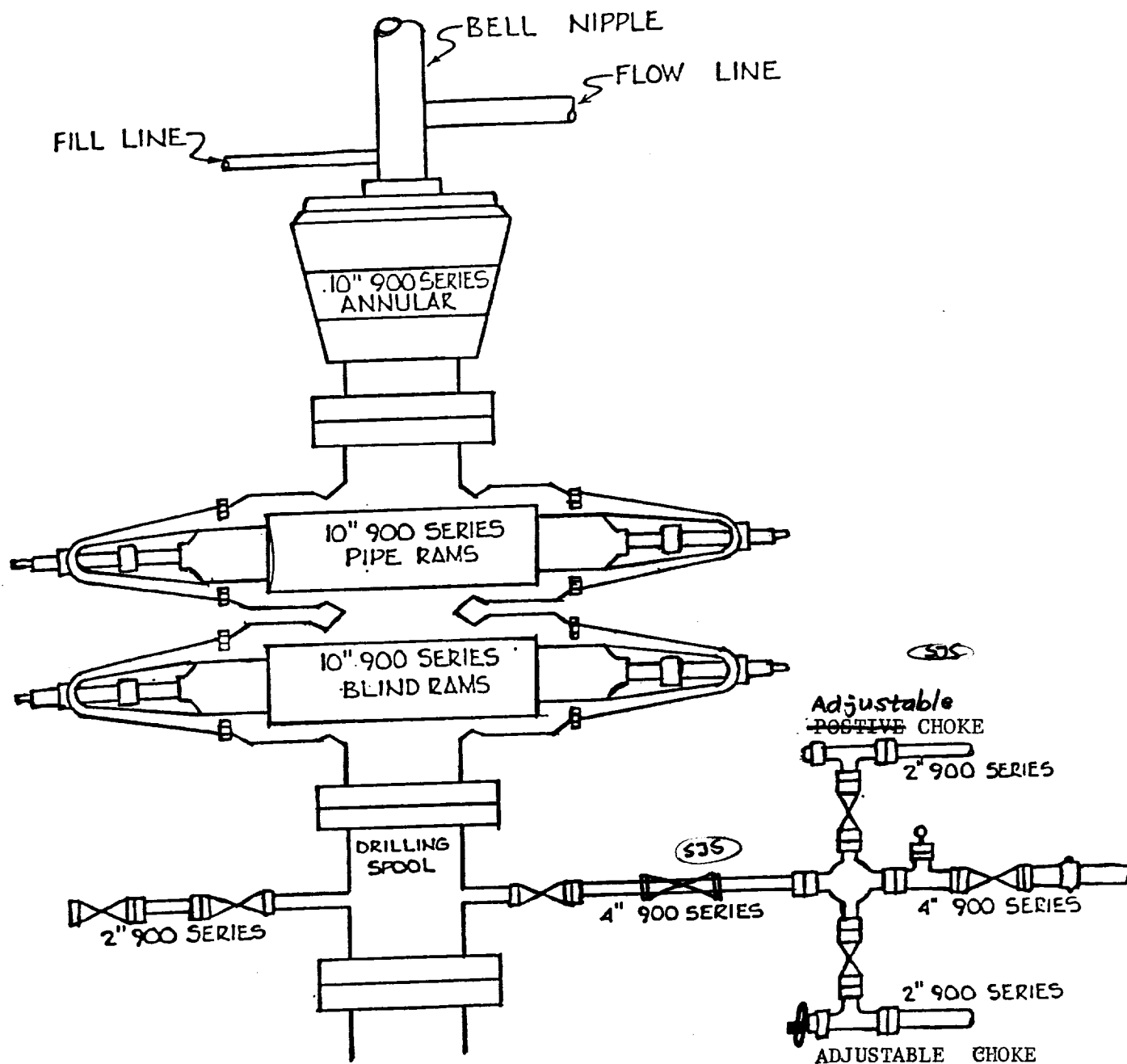


MEWBOURNE OIL COMPANY
Santo Nino "30" Federal #1
1980' FWL & 660' FNL
Section 30-T18S-R30E
Eddy County, New Mexico
Lease # NM-27279

Exhibit #2

BOP SCHEMATIC

Production Hole



MEWBOURNE OIL COMPANY
 Santo Nino "30" Federal #1
 1980' FWL & 660' FNL
 Section 30-T18S-R30E
 Eddy County, New Mexico
 Lease # NM-27279

Exhibit #2A