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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK				5. LEASE DESIGNATION AND SERIAL NO.
DRILL ☐	DEEPEN ☐	PLUG BACK ☒		Jicarilla Contracts 12 & 30

b. TYPE OF WELL

OIL WELL ☐	GAS WELL ☒	OTHER	SINGLE ZONE ☒	MULTIPLE ZONE ☐

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
Meridian Oil Inc.

8. FARM OR LEASE NAME
Jicarilla P

3. ADDRESS OF OPERATOR
P.O. Box 4289, Farmington, New Mexico 87499

9. WELL NO.
4

4. LOCATION OF WELL Report location clearly and in accordance with any state requirements.*
At surface
990' FSL, 1650'FWL

At proposed prod. zone

10. FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec.21, T24N, R5W

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

12. COUNTY OR PARISH: Rio Arriba 13. STATE: NM

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 520
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	

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6758'GL

22. APPROX. DATE WORK WILL START*

23.
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

See attached Recompletion Procedure.

RECEIVED
JAN 23 1990
OIL CON. DIV
DIST. 3

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 _(signature)_   TITLE Production Engineer

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____   TITLE _____

CONDITIONS OF APPROVAL, IF ANY:
Hold C-104 FOR Pilot

*See Instructions On Reverse Side

APPROVED
12-13-89

JAN 16 1990
DATE
Ken Townsend
FOR AREA MANAGER
FARMINGTON RESOURCE AREA

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.

Recompletion Procedure
Jicarilla P #4

1. Prepare location for workover. Install / replace anchors as necessary.

2. MOL with workover rig, hold safety meeting, install safety signs and proper fire equipment at strategic points. Comply with all BLM, NMOCD, and MOI regulations.

3. NU 6" 3000 psi BOP and stripping head.

4. TOOH and laydown 2399' of line pipe.

5. PU 2 3/8" 4.7# J-55 EUE tubing and TIH with $5\frac{1}{2}$" casing scraper. CO to the base of the $5\frac{1}{2}$" casing at 2369'. TOOH.

6. RU wireline unit and set a $5\frac{1}{2}$" bridge plug @ 2365'. Install a tension set packer to isolate wellhead. Pressure test casing to 2500 psi for 15 minutes. If casing fails, isolate casing leak(s) with a test packer. A squeeze procedure will be provided if the casing is determined to be repairable.

7. Run GR-CCL-CNL.

8. Perforate using 4" HSC guns. Shoot 2 SPF.

9. Breakdown formation and evaluate. If necessary, fracture stimulate.

10. TIH w/ 2 3/8" tubing and clean out to PBTD.

11. When well is clean, land 2 3/8" tubing with a common pump seating nipple one joint off bottom. Land tubing at ±2354'. Swab well in. Record final gauges. ND BOP. NU tree. Rig down and release rig.

12. Shut well in for pressure build up. Obtain gas and water sample for analysis.

Jicarilla P #4
SW/4 Section 21, T-24-N, R-5-W
Rio Arriba County, New Mexico

Wellbore Schematics

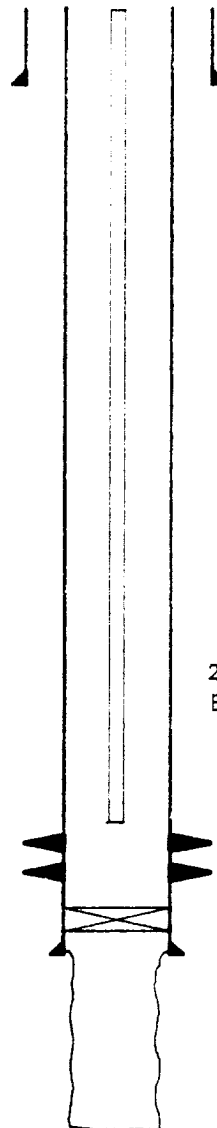CURRENT
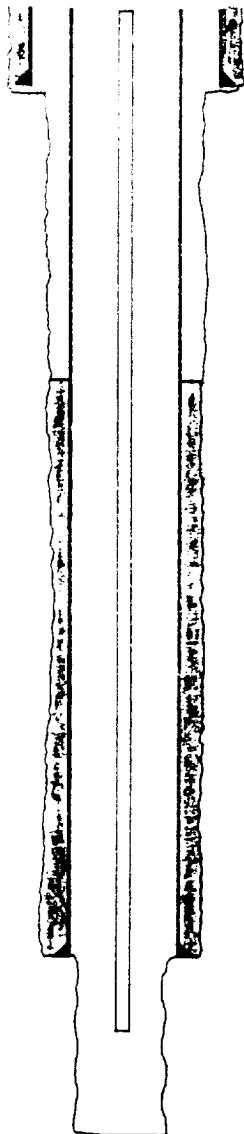
PROPOSED

9 5/8" 44.0# J-55
set @ 99'

Top of cement @ 1688'(calculated)

2 3/8" 4.7# J-55
EUE tubing set @ 2354'

Fruitland Coal perfs
@ 2245'-2354'

1" line pipe set @ 2399'

Bridge plug
set @ 2365'

5 1/2" 14.0# J-55
set @ 2369'

Openhole 2369'-2399'

WORKOVER / RECOMPLETION
B.O.P. SCHEMATIC

STRIPPING HEAD

PIPE
RAMS

DOUBLE GATE
B.O.P.

BLIND
RAMS
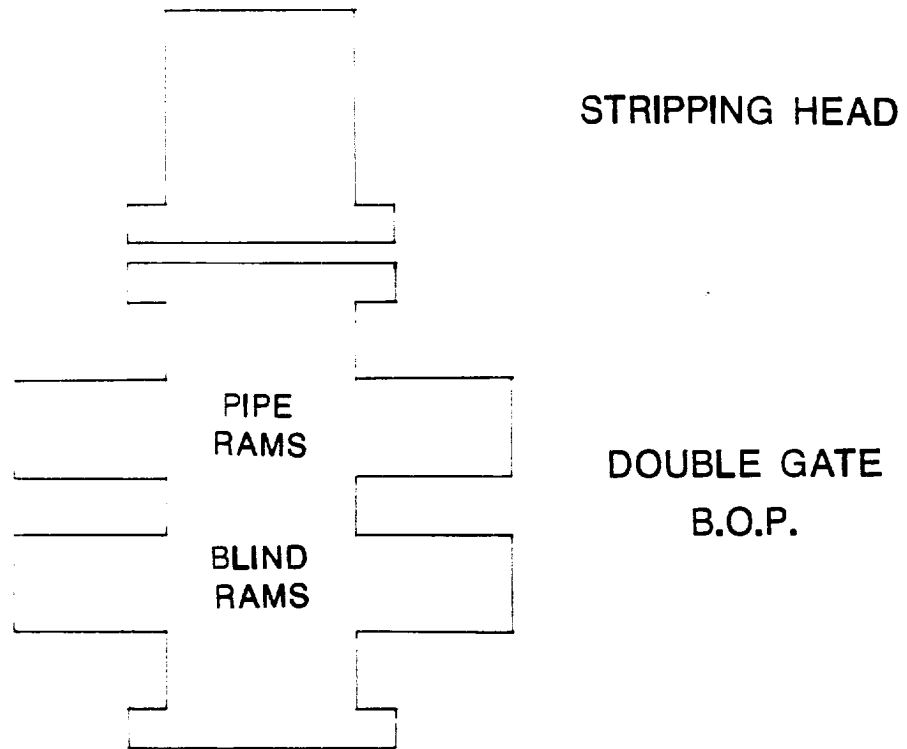
MINIMUM: 6" 2000 PSI DOUBLE GATE B.O.P.

MAXIMUM ANTICIPATED SHUT-IN WELLHEAD
PRESSURE IS LESS THAN 2000 PSI