

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
NEW MEXICO 8824030-025-30687
NM-43565

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

Oryx Energy Company

3. ADDRESS OF OPERATOR

P. O. Box 1861, Midland, Texas 79702

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

At surface

F, 1650' FNL & 2310' FWL

At proposed prod. zone

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

20 miles West from Eunice

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

2310

16. NO. OF ACRES IN LEASE

1280

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

-

19. PROPOSED DEPTH

13000'

20. ROTARY OR CABLE TOOLS

Rotary

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

3420.7

22. APPROX. DATE WORK WILL START*

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
17 1/2"	13 3/8"	54.5#	1800#	1700 SXS	Surf
12 1/4"	9 5/8"	36#	4850'	1550 SXS	Surf
8 3/4"	7 5/8"	29.7#	11750'	1050 SXS	TOC 4800'
6 1/8"	5 1/2"	23#	12800'	175 SXS	

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

Maria L. Perry

TITLE Accountant

DATE 9-13-89

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

AREA MANAGER
CARLSBAD RESOURCE AREA

DATE

9-27-89

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

RECEIVED
SEP 14 12 10 PM '89
CARLSBAD RESOURCE AREA
OFFICE

RECEIVED

SEP 29 1989

**OCD
HOMES OFFICE**

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

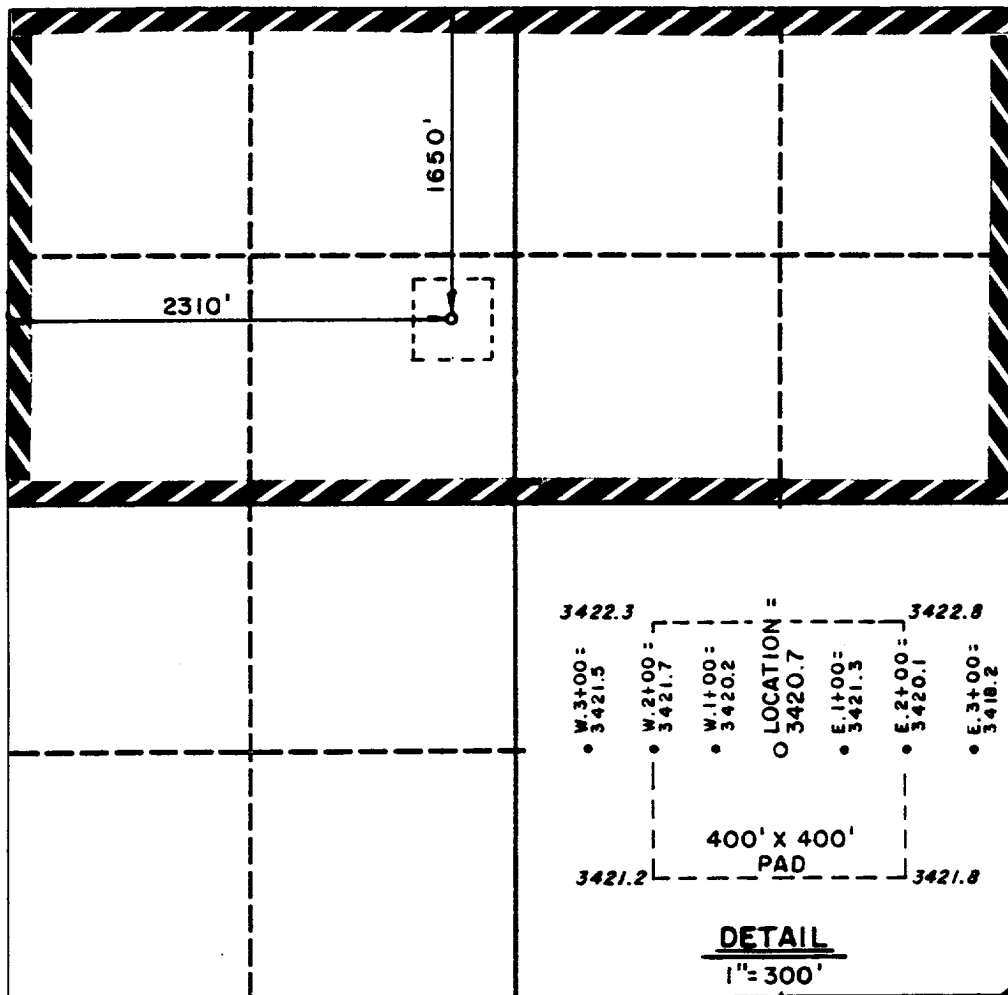
All Distances must be from the outer boundaries of the section

Operator Oryx Energy Company			Lease Antelope Federal Com.		Well No. 1
Unit Letter F	Section 27	Township 22 South	Range 34 East	County Lea	

Actual Footage Location of Well:

1650 feet from the North line and		2310 feet from the West line	
Ground level Elev. 3420.7	Producing Formation Atoka	Pool Antelope Ridge-Atoka Gas	Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation Communitization
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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature <i>Maria L. Perez</i>
Printed Name Maria L. Perez
Position Accountant
Company Oryx Energy Company
Date 8-30-89

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 knowledge and belief.

Date Surveyed August 16, 1989
Signature & Seal of Professional Surveyor



125630

EXHIBIT D1
1800-4850'
3000 psi BOP

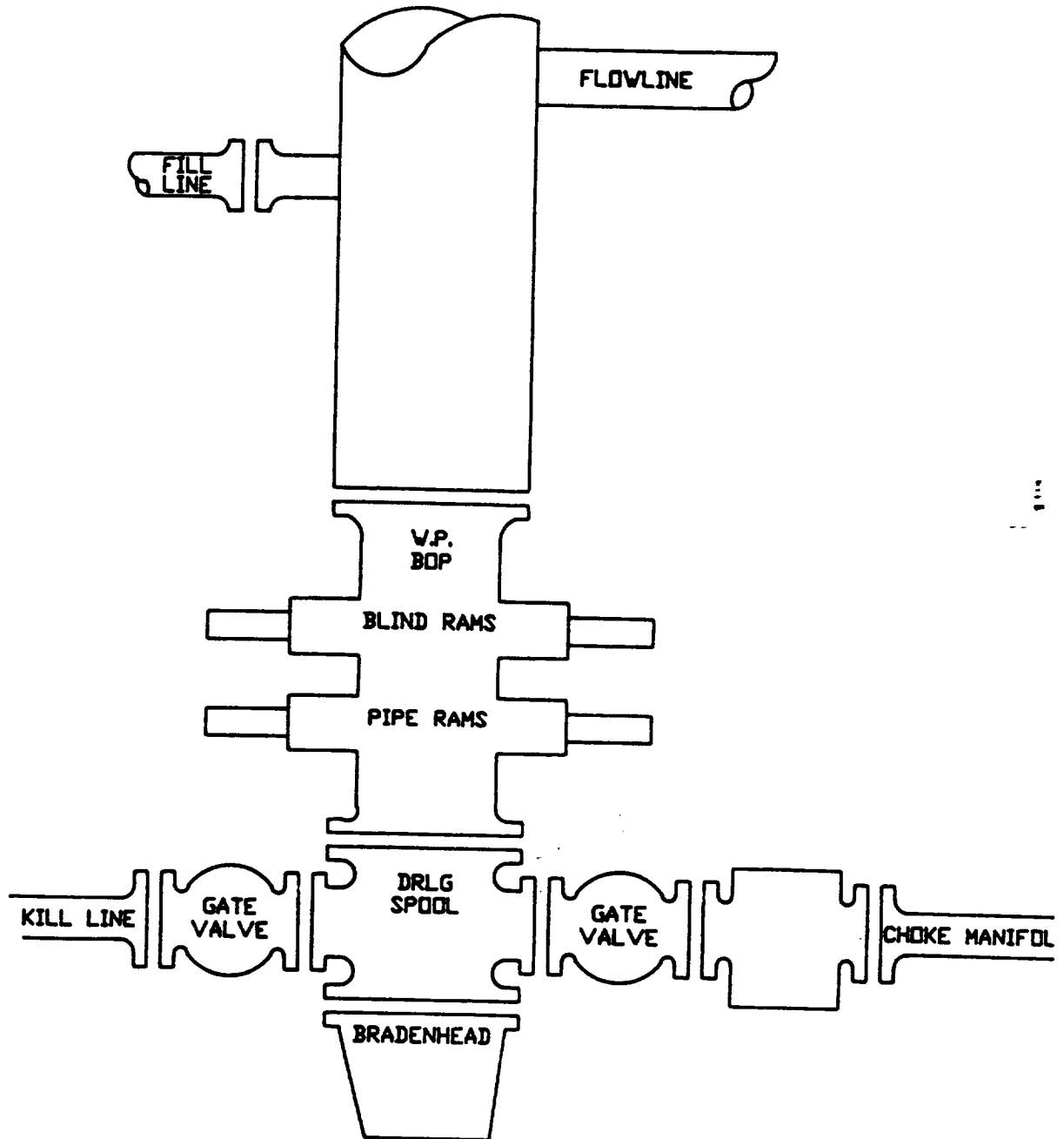


EXHIBIT DZ
1800-4850
3000 PSI MANIFOLD

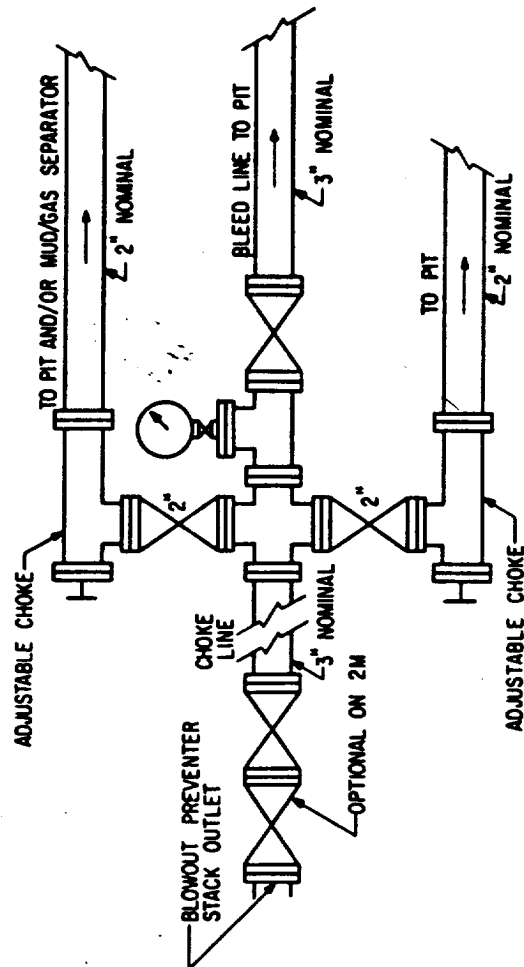


FIG. 3.A.1
TYPICAL CHOKE MANIFOLD ASSEMBLY
FOR 2M AND 3M RATED WORKING
PRESSURE SERVICE - SURFACE INSTALLATION

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SEP 29 1989

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MOBBS OFFICE

EXHIBIT # D3
4850 - 11,750'
5000 psi BOP
11,750 - 12,800'

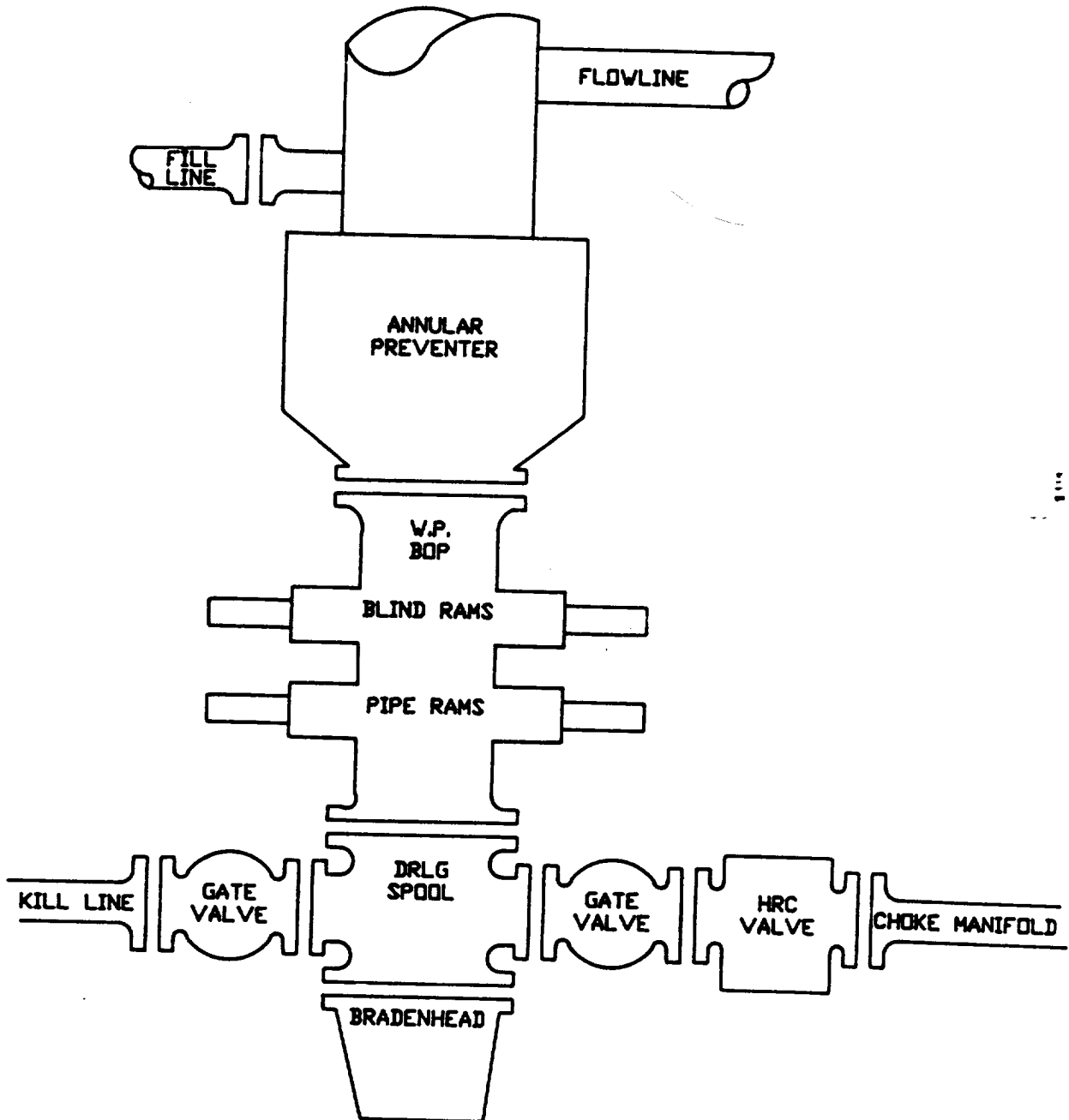
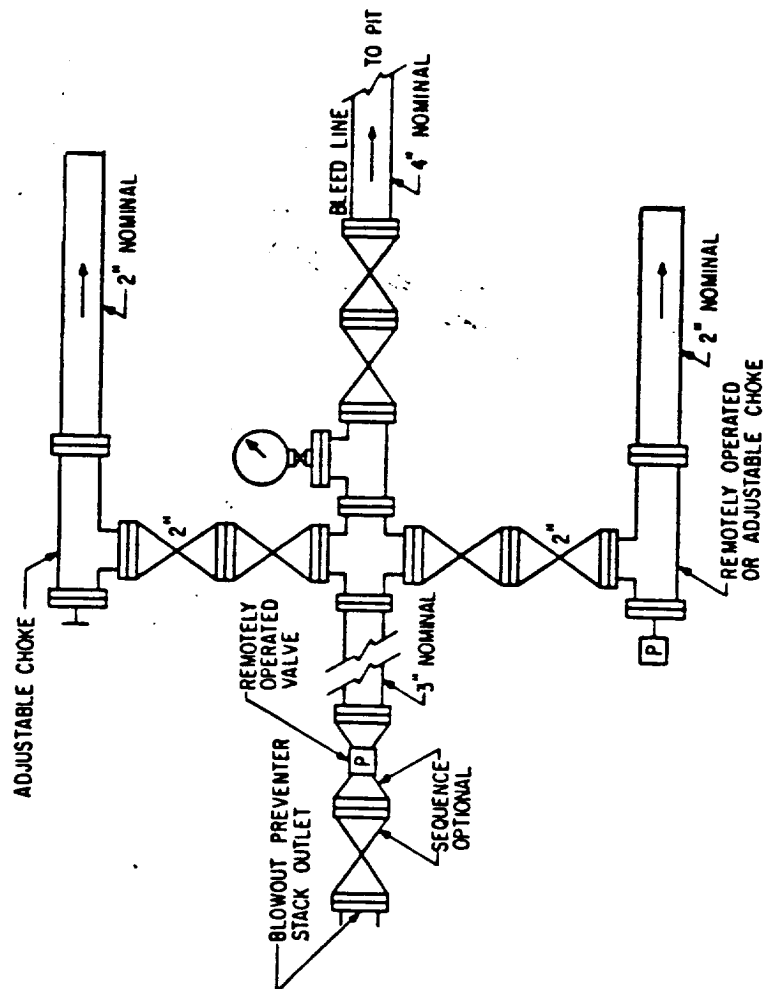


EXHIBIT D4
 4850-11,750
 11,750-12,800
 5000 psi BOP



TYPICAL CHOKE MANIFOLD ASSEMBLY FOR 5M
 RATED WORKING PRESSURE SERVICE —
 SURFACE INSTALLATION

06/2/89 p308

FILE

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**CCO
HOBBS OFFICE**

COMPLETIONS SEC 27 TWP 22S RGE 34E
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ORYX ENERGY
1

ANTELOPE FEDERAL COM

D D

DRILLING PROGRESS DETAILS

4040 (1 1/4 DEG), 4991 (1 DEG), 5486 (1 DEG),
5952 (1/4 DEG), 6448 (3/4 DEG), 6946 (1/4 DEG),
7877 (1/2 DEG), 8155 (1 1/2 DEG), 8340 (1 1/2
DEG), 8557 (1 3/4 DEG), 8962 (2 1/2 DEG), 9043
(2 1/2 DEG), 9176 (4 3/4 DEG), 9270 (4 1/2 DEG),
9363 (4 3/4 DEG), 9439 (4 3/4 DEG), 9487 (4 1/2
DEG), 9549 (3 1/2 DEG), 9673 (3 1/4 DEG), 9829
(2 1/2 DEG), 9925 (2 1/2 DEG), 10018 (2 1/4 DEG)
10140 (2 1/2 DEG), 10295 (2 1/4 DEG), 10461
(1 3/4 DEG), 10607 (1 1/2 DEG), 10919 (1/2 DEG),
11335 (1 DEG), 11735 (1/2 DEG), 12125 (3/4 DEG),
12400 (1 3/4 DEG), 12983 (2 1/4 DEG)
HAD 15-20 FT FLARE WHILE RNG LOGS
05/03 RAN RFT @ SELECTED POINTS-NO DETAILS
TD REACHED 02/08/90 RIG REL 02/13/90
05/03 13530 TD
COMP 2/13/90, D&A
NO CORES, ONE DST RPTD

WRS COMPLETION REPORT

COMPLETIONS SEC 27 TWP 22S RGE 34E
PI# 30-T-0008 05/04/90 30-025-30687-0000 PAGE 1

NMEX LEA * 1650FNL 2310FWL SEC SE NW
STATE COUNTY FOOTAGE SPOT
ORYX ENERGY D D
OPERATOR WELL CLASS INIT FIN
1 ANTELOPE FEDERAL COM
WELL NO. LEASE NAME
3434KB 3408GR ANTELOPE RIDGE
OPER ELEV FIELD/POOL/AREA
API 30-025-30687-0000
LEASE NO PERMIT OR WELL I.D. NO
12/08/1989 02/13/1990 ROTARY VERT D&A-G
SPUD DATE COMP. DATE TYPE TOOL HOLE TYPE STATUS
13000 ATOKA WILLBROS DRLG 16 RIG SUB 25
PROJ. DEPTH PROJ. FORM CONTRACTOR
DTD 13530 FM/TD MORROW
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

LOCATION DESCRIPTION

21 MI SE HALFWAY, NM

CASING/LINER DATA

CSG 13 3/8 @ 1770 W/ 1700 SACKS
CSG 9 5/8 @ 4940 W/ 700 SACKS
CSG 7 5/8 @ 11785 W/ 735 SACKS
CMT PLUGS @ 12579-12779 W/50 SX, 11660-12060 W/100 SX,
8450-8550 W/25 SX, 6411-6611 W/125 SX, 4915-5030
W/125 SX, 1730-1850 W/50 SX, SURF-50 W/25 SX

TYPE	FORMATION	LTH	TOP	DEPTH/SUB	BSE	DEPTH/SUB
LOG	RUSTLER		1714	1694		
LOG	SALT		1832	1576		
LOG	YATES		3917	-509		
LOG	BONE SP1		9577	-6169		
LOG	BONE SP3		10614	-7206		
LOG	WOLFCAMP		11344	-7936		
LOG	STRAWN		11754	-8346		
LOG	ATOKA		11961	-8553		
LOG	MORROW		12680	-9272		

SUBSEA MEASUREMENTS FROM GR

FORMATION TEST DATA

DST 1 12136-12414 ATOKA REVOUT
REC 9978.0 FT WCUSH 260.0 CC MUD
INIT OP 10M IFP 4155 FFP 4200 OP W/NO BLOW

CONTINUED IC# 300257025689

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Petroleum Information

BB a company of
The Dun & Bradstreet Corporation

PI-WRS-GE
Form No 187

COMPLETIONS SEC 27 TWP 22S RGE 34E
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ORYX ENERGY
1

ANTELOPE FEDERAL COM

D D

FORMATION TEST DATA

FINAL OP 2H IFP 4200 FFP 4418 NO BLOW
ISIP 4200 1H FSIP 4200 4H IHP 8311 FHP 8311
SPL CHAM PRESS FINAL 1900

LOGS AND SURVEYS /INTERVAL, TYPE/

LOGS 4934-11740 DSN 11720-12634 DSN 12300-13504 DSN
LOGS 4934-11740 SDBL 11720-12634 SDBL 12300-13504 SDBL
LOGS 4934-11734 DI 11780-13525 DI 11720-12634 GR
LOGS 12300-13504 GR 11720-12634 DLL RFT

DRILLING BREAKS

12206-12209 (ATOKA)
12213-12218 (ATOKA)
12222-12232 (ATOKA)
12236-12253 (ATOKA)
12431-12435 (ATOKA)
12469-12474 (ATOKA)

DRILLING PROGRESS DETAILS

ORYX ENERGY
BOX 1861
MIDLAND, TX 79702
915-688-0300
09/15 LOC/1989/
12/13 1770 TD, PREP RUN CSG
12/19 DRLG 4853
12/27 DRLG 7300
01/02 DRLG 9422
01/05 DRLG 9846
01/12 11785 TD, CIRC
01/16 DRLG 11822
01/24 12400 TD, PREP DST
01/30 DRLG 12613
02/07 DRLG 13407
02/12 13530 TD, RNG LOGS
02/12 DEVIATION SURVEYS @ 335 (3/4 DEG), 821 (3/4 DEG)
1309 (1 DEG), 1770 (1 DEG), 2298 (1/4 DEG), 2762
(1 1/4 DEG), 3082 (2 1/2 DEG), 3262 (2 DEG),
3448 (2 1/2 DEG), 3573 (2 DEG), 3728 (1 3/4 DEG)

CONTINUED