

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Medallion Production Company

3. ADDRESS AND TELEPHONE NO.

7130 S. Lewis, Suite 700 Tulsa, Oklahoma 74136

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

At surface

990' FSL 1100' FEL of Sec. 20-T15S-R28E NMPM

At proposed prod. zone

Same

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

13 miles Southeast of Hagerman, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

990'

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED, 116' (P&A'd)  
OR APPLIED FOR, ON THIS LEASE, FT. See attachment

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

3609' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	20"	94#	20'	Redi-Mix to surface
17 1/2"	13-3/8" H40	48#	365'	Circulate to surface
12 1/4"	8-5/8" J-55	32#	1600'	Circulate to surface
7-7/8"	4-1/2" N-80	11.6#	9200'	500' above top of pay zone approx. 150 sx "Prem" cmt

See Attachment: Survey Plat (Form C-102)  
Surveys of Entrance Road  
Survey of nearby wells  
Drilling Plan  
Surface Use Plan  
Archaeological Report

**RECEIVED**

NOV 15 1995

OIL CON. DIV.  
DIST. 2



Post FD-1  
11-24-95  
New loc +  
API

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.

24.

SIGNED Lee C. Francis

TITLE Drilling & Completion Mgr

DATE 9/21/95

(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 conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

NSL#

APPROVED BY T.R. Kuagor

TITLE Area Manager

DATE 11/13/95

\*See Instructions On Reverse Side

DISTRICT I  
P.O. Box 1980, Hobbs, NM 87240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
P.O. Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P.O. BOX 2088, SANTA FE, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-005-63080</b>	Pool Code <b>76079</b>	Pool Name <b>UNDES DIAMOND MOUND; MORROW Wildcat</b>
Property Code	Property Name <b>USA "20"</b>	Well Number <b>1</b>
OGRID No.	Operator Name <b>MEDALLION PRODUCTION CO.</b>	Elevation <b>3609</b>

Surface Location


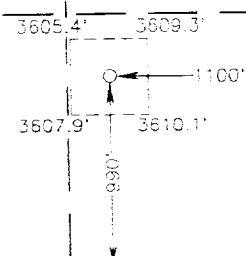
UL or lot No. <b>P</b>	Section <b>20</b>	Township <b>15 S</b>	Range <b>28 E</b>	Lot Idn	Feet from the <b>990</b>	North/South line <b>SOUTH</b>	Feet from the <b>1100</b>	East/West line <b>EAST</b>	County <b>CHAVES</b>
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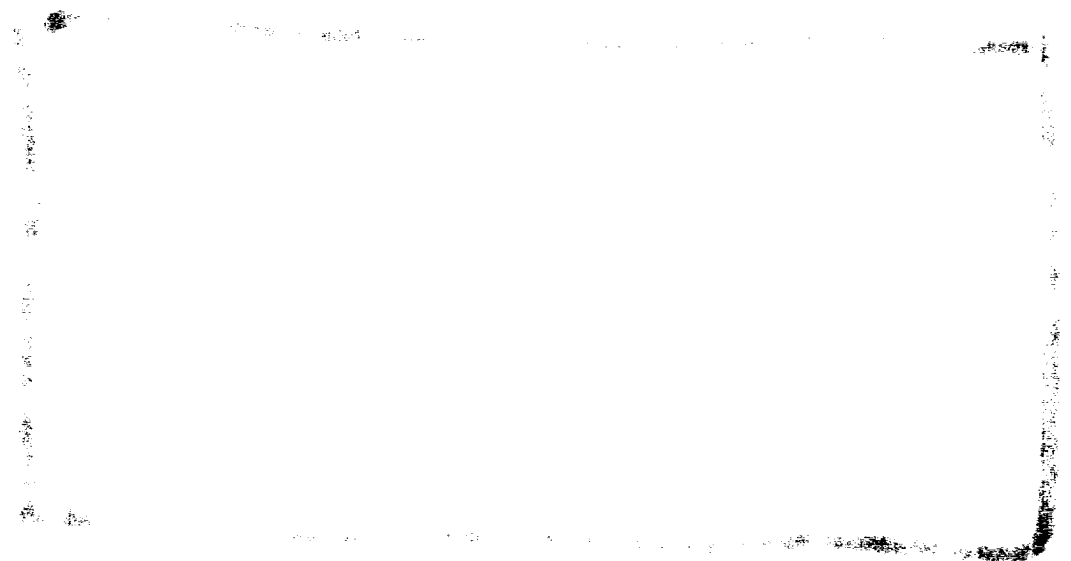
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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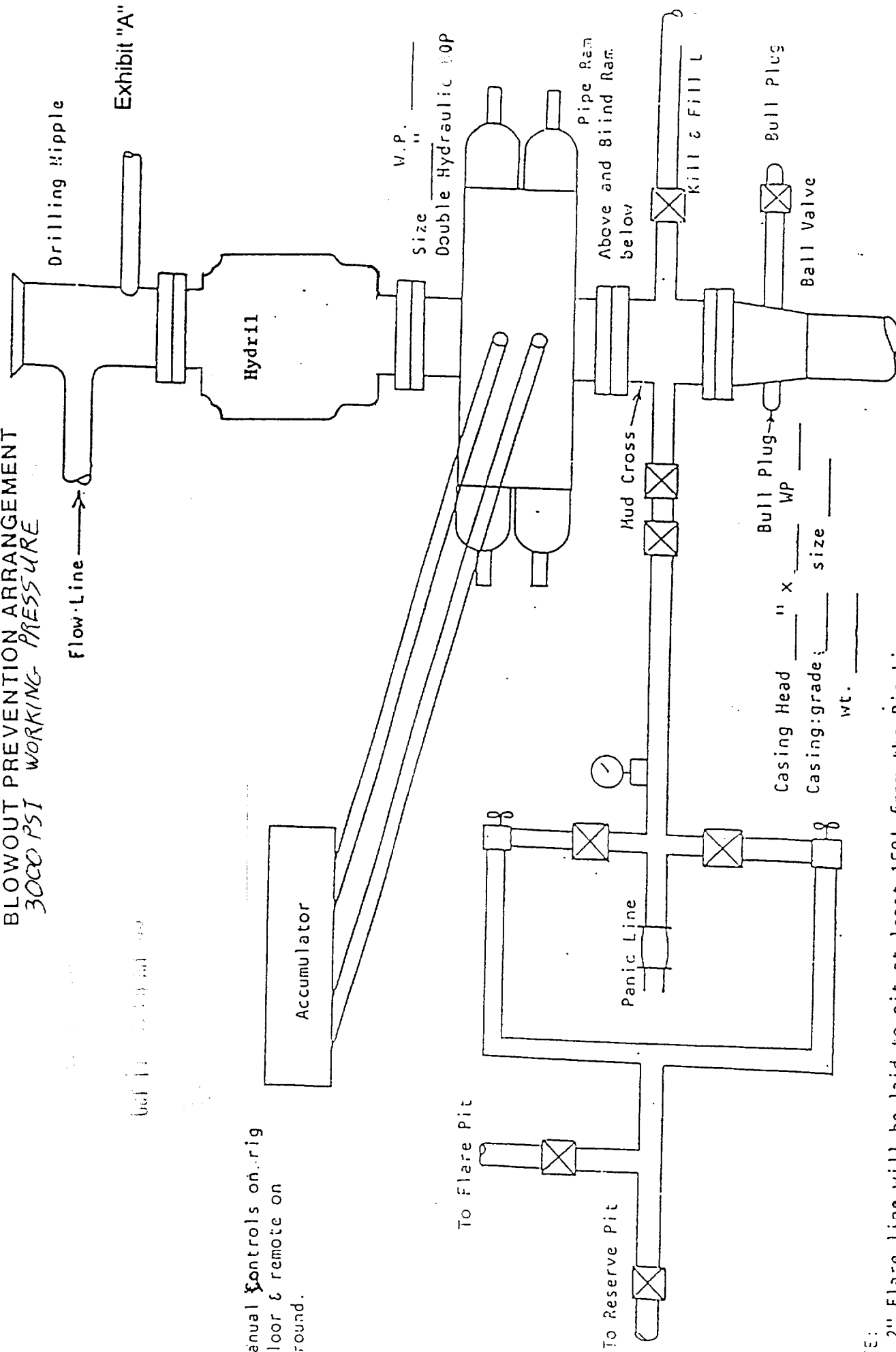
Dedicated Acres <b>320</b>	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

 	<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  <u>Lee C. Francis</u> Signature  <u>Lee C. Francis</u> Printed Name  <u>Drilling/Compln Mgr.</u> Title  <u>9/26/95</u> Date
	<b>SURVEYOR CERTIFICATION</b>  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.  <u>AUGUST 29, 1995</u> Date Surveyed  <u>Signature &amp; Seal of Professional Surveyor</u>  <u>W.O. Num. 95-14-1330</u> Certificate No. <u>JOHN W. WEST 676</u> <u>PROFESSOR J. EIDSON 3239</u> <u>EIDSON 12641</u>



# BLOWOUT PREVENTION ARRANGEMENT 3000 PSI WORKING PRESSURE



All Manifold and Lines will have at least the same Pressure Rating as the BOP Stack.

**DRILLING PLAN**  
To Accompany  
**APPLICATION FOR PERMIT TO DRILL**

MEDALLION PRODUCTION COMPANY

USA 20 #1  
SE SE Section 20 - T15S - R28E NMPM  
Chaves County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill, Medallion Production Company submits the following items of pertinent information in accordance with Onshore Oil & Gas Order Nos. 1 & 2, and with all other applicable federal and state regulations.

1. Estimated Tops of Geologic Markers

The surface geologic formation is Holloman-Gypsum land Reeves Association: Level to gently sloping loams that are very shallow and shallow over gypsum; Gypsum land. The estimated tops of other geologic markers are as follows:

FORMATION	DEPTH	SUBSEA
Surface		3609'
Yates	400'	3209'
Queen	1097'	2512'
Glorieta	1502'	2107'
San Andres	1875'	1734'
Tubb	4600'	-991'
Abo	5326'	-1717'
Hueco	6305'	-2696'
Cisco Canyon	7300'	-3691'
Strawn	8200'	-4591'
Mississippian	8450'	-4841'
Atoka	8770'	-5161'
Morrow	8920'	-5311'
Morrow Pay Zone	9050'	-5441'
Chester	9100'	-5491'
Total Depth	9200'	-5591'

2. Estimated depths at which water, oil, or gas producing formations are expected to be encountered are as follows:

A. Fresh Water

Fresh water can be found at depths of 200 - 300 feet. Fresh water zones will be protected with 13-3/8" casing set at a depth of 365' and cemented to surface and an intermediate string of 8-5/8" casing set at 1600' and cemented to surface per NMOGC regulations.

B. Oil or Gas

<u>FORMATION</u>	<u>DEPTH</u>
Atoka	8770'
Morrow	9050'

Potentially productive horizons as indicated by electric logs are to be protected by 4 1/2" casing with cement to 500 feet above the upper-most zone of interest.

3. Pressure Control Equipment

See Exhibit "A" for description of pressure control equipment and Exhibit "B" for test schedule.

4. Proposed Casing Program:

See Form 3160-3 and Exhibit "B".

5. Mud Program:

See Exhibit "C".

6. Testing, Logging, and Coring programs:

A. DST's

Possible on target formations. See Part II (B).

B. Mud Logging

From 6000' to TD.

C. Electric Logging

Plans call to run Dual Induction Log from base of intermediate casing at 1600' to TD and Neutron/Density w/ Gamma Ray across the bottom 2000' of the well.

D. Coring

No coring is planned at this time.

7. Abnormal Pressures, Temperatures, or other Hazards:

A. Lost Circulation Zones

Records on nearby wells do **not** indicate occurrence of any lost circulation.

B. High Pressure Zones:

Records on nearby wells do not indicate any zones of high pressure.

8. Anticipated Starting Date:

As soon as possible. (Late October 1995.)