

c15P

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

161859

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

KCS Medallion Resources, Inc.

## 3. ADDRESS AND TELEPHONE NO.

7130 South Lewis Avenue, Suite 700, Tulsa, OK 74136-5489 Phone (918) 499-1325

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

At surface

2440 ft FSL &amp; 1550 ft FEL of Section 24

At proposed prod. zone

3070 ft FSL &amp; 1750 ft FEL of Section 24

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

The location is about 7 miles SE of Loco Hills

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

430 ft

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

N/A

## 16. NO. OF ACRES TO BE LEASED

640 Acres more or less

## 19. PROPOSED DEPTH

8,500 ft, TVD

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40 Acres

## 20. ROTARY OR CABLE TOOLS

Rotary Tools

## 21. ELEVATIONS (Show whether DF, ET, GR, etc.)

3616 ft, Ground Level

## 22. APPROX. DATE WORK WILL START\*

30 March 2001

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	Sch 10, 20"	52.73 lbs.	40 to 80 ft	Ready-Mix to surface
17 1/2"	H40, 13 3/8"	48 lbs.	6215' 760 ft	520 sacks w/additives
11"	J55, 8 5/8"	32 lbs.	2,800 ft	680 sacks w/additives
7 7/8"	J55, 5 1/2"	15.5 & 17 lbs.	8,500 ft	480 sacks w/additives

## Procedure:

1. Drill 26 in hole and set 20 in conductor w/rat hole digger if necessary. Cement to surface
2. Drill 17 1/2 in hole to 760 ft and set 13 3/8 in casing. Cement to surface.
3. Drill 11 in hole to 2800 ft and set 8 5/8 in casing. Cement to surface.
4. Install Hydrill and BOP Stack. Test to 2750 psig.
5. Drill cement in casing to within 20 ft of shoe. Test casing to 1500 psig.
6. Drill 7 7/8 in hole directionally to target location and through the Bone Springs formation to TD. DST as necessary.
7. Run electric logs. Shoot sidewall cores if desired.
8. If warranted, run and cement 5 1/2 in casing w/stage collar at 4300 ft. Cement to 500 ft above top zone of interest and through stage collar with sufficient slurry to fill 500 ft into the 8 5/8 " surface casing.
9. Test 5 1/2 in casing to 3000 psig prior to perforation.

## Exhibits Attached:

- |                                 |                                |  |
|---------------------------------|--------------------------------|--|
| A. Location and elevation plat. | E. Drilling Plan.              | G1. Sketch of Pad Layout w/BH location |
| B. Location Verification Map.   | E1. Directional Drilling Plan. | H. Map of Existing Wells In Area       |
| C. Vicinity map.                | F. Blow Out Preventer Diagram  | I. H2S Drilling operations Plan        |
| D. Surface Use Plan             | G. Typical Wellsite Layout     | All depths are TVD                     |

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

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

Tom Williams

TITLE

Senior Drilling Engineer

DATE

2-21-01

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:

APPROVED BY

J. J. HARTLEY

TITLE

Assoc. State Director

DATE

APR 23 2001

\*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

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.