

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. Contract 391	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Jack A. Cole		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 191, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Apache Flats	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1450/N and 990/W Sec. 25-T23N-R4W At proposed prod. zone Same		9. WELL NO. 5	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 70 miles SE Bloomfield, New Mexico		10. FIELD AND POOL, OR WILDCAT Wildcat	
16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1450'	18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None	11. SEC., T., R., M., OR B.L.R. AND SURVEY OR AREA Sec. 25-T23N-R4W	12. COUNTY OR PARISH Sandoval
17. NO. OF ACRES IN LEASE 1920	19. PROPOSED DEPTH 3100'	13. STATE N.M.	17. NO. OF ACRES ASSIGNED TO THIS WELL 160
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6981 GR 6991 DF		20. ROTARY OR CABLE TOOLS Rotary	
23. PROPOSED CASING AND CEMENTING PROGRAM		22. APPROX. DATE WORK WILL START* June 30, 1976	

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10 3/4	8 5/8	24.0	120'	Circulate
7 7/8	4 1/2	10.5	3050	250 Sacks

Well will be mud drilled to total depth after setting and cementing 8 5/8" surface casing. Run electric logs at total depth and set 4 1/2" casing if warranted, cementing same with 250 sacks (above Ojo Alamo). Sand-water frac treat down casing. Perforate casing opposite La Ventana sand. Set plug and perforate casing opposite Pictured Cliffs sand. Complete as co-mingled natural gas well.

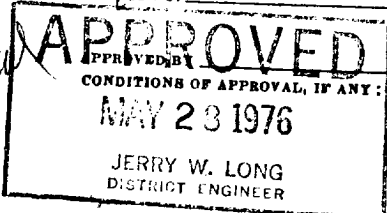
APP. SUBJ. TO NMOCC APA OF CHAMINGLING

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.

SIGNED Jack A. Cole TITLE Operator DATE May 13, 1976
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE



DURANGO

COPY

*See Instructions On Reverse Side

RIP ADD FILED 11/16 363 GEN. C

Apache Flats # 5 E-25-23N-4W

Jack A. Cole

Ballard PC ext. - WC Chacra

F. Loc. 1450/N; 990/W Elev. 6981 GL

F. Loc. 1450/N; 990/W Elev. 6981 GL Spd. _____ Comp. _____ TD _____ PB _____
Casing 5. _____ @ _____ W _____ Sx. Int. _____ @ _____ W _____ Sx. Pr. _____ @ _____ W _____ Sx. T. _____ @ _____ W _____ Sx. _____ T _____
Csg. Perf. _____ Prod. Stim. _____ T _____

BO/D
MCF/D After Hrs.
SICP
PS After
Dows GOR
Grows
1st Del
S

TOPS		NITD	X	Well Log		TEST DATA						
		C-103		Plot	X	Schd.	PC	Q	PW	PD	D	Ref. No.
Kirtland		C-103										
Fruitland		C-104		Electric Log								
Pictured Cliffs				C-122								
Cliff House		Dir		Dfa								
Menefee		Dair		Doc								
Point Lookout												
Mancos												
Gallup												
Sanostee												
Greenhorn												
Dakota												
Morrison												
Entrada												
						160						

Ballard PC Co. SA S 25 T 23N R 4W U EOPER Jack A. Gonia LSE: Apache Flats No. 5

7.0