

XEROX COPY

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-22472

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. LC 060999	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Holly Energy Inc.			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Box 726 Artesia, N.M. 88210			8. FARM OR LEASE NAME M ^C Intyre "B"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1300' FSL 330' FWL Sec 20 T-17S R-30E At proposed prod. zone			9. WELL NO. 4	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 1 mile West of Loco Hills, N.M.			10. FIELD AND POOL, OR WILDCAT Grayburg-Jackson	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 20 T-17S R-30E	
16. NO. OF ACRES IN LEASE 80			12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE N.M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 660'			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3620.9 GR			22. APPROX. DATE WORK WILL START*	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8"	24#	500'	circulate
7 7/8	5 1/2"	14#	3500'	325 sacks

We propose to drill this well to 3500' and complete in the Grayburg and San Andres.

All zones indicating porosity will be acidized or sand fraced.

Mud Program: Water and native mud will be used at approximately 100' of T.D. We will mud up to get hole in shape to log.

A 10" 900 series shaffer type F Double B.O.P. will be used in drilling this well.

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 Robert Loyd TITLE Superintendent DATE Feb. 7, 1978
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE MAR 17 1978
APPROVED BY Lee J. Lara TITLE ACTING DISTRICT ENGINEER DATE MAR 17 1978
CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
JUN 17 1978

*See Instructions On Reverse Side

Subject to approval from
the NMDC as a non-standard

Q13V230 471

5/20/2010

WINTER 2010-2011
CIVIL 230 471