

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 ☐

b. TYPE OF WELL

OIL WELL ☐GAS WELL ☒OTHER ☐

2. NAME OF OPERATOR

Holly Energy Inc.

3. ADDRESS OF OPERATOR

2001 Bryan Tower, Dallas, Texas 75201

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

At surface

1980' FNL and 1980' FEL

At proposed prod. zone

same

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

Approx. 25.4 miles south and east of Artesia, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

1980'

18. DISTANCE FROM PROPOSED LOCATION*

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

Approx. 1867'

from dry hole

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

3310.2'

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"	48# K55	400'	400 sq. Class C w/2% CaCl
12 1/4"	8 5/8"	24# K55	2750'	Cement to cover all zones to base
7 7/8"	4 1/2"	11.60# K55	10300'	of salt section
				Cement w/sulfate resistant cement
				to cover all potential pay zones.

Mud Program: Native Mud 0' to 9300'

Fresh Water mud 9300' to 10200' 8.8 lbs per gallon, vis 35, water loss 12.

Fresh Water num 10200' to 10300', 9.0-9.2 lbs per gallon, vix 38, water loss less than 10

BOP Program: One (1) Hydril, 10"

One (1) Schaffer Double 10", Type "LWS"

Both 1500 Series, Hydraulic Operated.

Gas not dedicated

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

Production Superintendent

DATE

July 8, 1977

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

INSTRUCTIONS FOR OPERATIONS

NOV 28 1977

Instructions On Reverse Side

CEMENT MUST BE CIRCULATED

NOTIFY USGS IN SUFFICIENT TIME TO
FINISH CEMENTING THE CASING.

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.