

N. H. OIL CONS. COMMISSION
P. O. BOX 1030
HOBBS, NEW MEXICO 88240

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1425.

Form 9-331 C
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.

LC-032450 (B)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

South Mattix Unit

9. WELL NO.

21

10. FIELD AND POOL, OR WILDCAT

Fowler Upper Yeso

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

15-24-37

12. COUNTY OR PARISH

Lea

13. STATE

NM

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☐

PLUG BACK ☒

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

P. O. Box 68, Hobbs, New Mexico 88240

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

At surface

1873.3' FSL X 2086.7' FWL (Unit K, NE/4,SW/4)

At proposed prod. zone

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

15. DISTANCE FROM PROPOSED*

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

16. NO. OF ACRES IN LEASE

18. DISTANCE FROM PROPOSED LOCATION*

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

19. PROPOSED DEPTH

±5700'

20. ROTARY OR CABLE TOOLS

Rotary

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

3266' RDB

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#	312'	350 SX
12-1/4"	8-5/8"	24, 32#	4378'	600 SX
7-7/8"	5-1/2"	14, 17#	9849'	300 SX

Propose to abandon the Ellenburger formation and recomplete to the Upper Yeso per the following:
Move in and rig up service unit. RIH with a 5-1/2" cement retainer and 2-3/8" tubing. Set
cement retainer at 7400'. Pump down tubing 300 sx of class H neat cement and squeeze. Sting
out of retainer and cap retainer with 10 sx of class H neat cement. WOC. Pressure test squeeze
to 500 psi and POH. Perforated 7200' and 5300' with 4 DPJSPF at 90° phasing. RIH with packer
and tubing. Set packer at 5350'. Pump down tubing clean brine with dye and calculate
volume behind pipe. Release packer and POH. RIH with cement retainer and tubing. Set retainer
at 5350'. Pump down tubing class H with .4% Halad 9. Pump volume to fill behind 5-1/2" casing
plus 1600' in casing. Flush cement thru cement retainer with 27 bbl of brine. POH. RIH
with bit, collars and tubing. Drill out cement retainer at 5350' and clean out to 5700'.
Displace hole with clean brine and POH. Perforate the following Upper Yeso intervals : 5105'-
22, 5132'-36', 5144'-66', 5174'-76', 5179'-83', 5186'-92', 5196'-98', 5202'-11', 5219'-21',
0+6-BLM, R 1-HOU, R. E. Ogden, Rm 21.150 1-F. J.Nash, HOU Rm 4.206 1-CMH

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

TITLE

Administrative Analyst

DATE

11-5-83

(This space for Federal of State Use)

APPROVED

PERMIT NO.

(Orig. Sgd.) PETER W. CHESTER

APPROVAL DATE

APPROVED BY

DEC 21 1983

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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 initiated.

5227'-31', 5238'-44', 5250'-63', 5296'-5305', 5314'-17', 5490'-5496', 5539'-5544', 5592'-5594', 5613'-15', and 5637'-42' with 2 JSPF utilizing a 3-1/8" hollow carrier casing gun at 90° or 120° phasing. RIH with RBP packer, and tubing. Set RBP at 5660'. Pull up and set packer at 5580'. Pump down tubing 1000 gal of 15 % NE HCL acid with additives. Flush acid to perfs with 30 bbl of clean brine. Release packer and RBP. Pull up and set RBP at 5560' and set packer at 5470'. Pump down tubing 1000 gal of 15% NE HCL acid with additives. Flush acid to perfs with 30 bbl of clean brine. Release packer and RBP. Pull up and set RBP at 5335'. Set packer at 5280'. Pump down tubing 1000 gals of 15% NE HCL acid with additives. Flush with 30 bbl of clean brine. Release packer and RBP. Pullup and set RBP at 5280'. Set packer at 5050'. Acidize down tubing with a total of 9000 gal of 15% NE HCL acid with additives. Flush acid to perfs with 30 bbl of fresh water. Release packer and RBP and POH. Swab test to recover load and evaluate productivity.

• GPO 782-931

RECEIVED

DEC 27 1983

C.C.O.
HOBBS OFFICE