

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

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 1710, Hobbs, NM 88240

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

At surface

1526' FSL & 1470' FEL (Unit Ltr. J)
At proposed prod. zone

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

13 mi. east of Artesia, NM

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

4184.86 Federal

7274.32 State

15. PROPOSED DEPTH

6350'

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3627.4' GR

22. APPROX. DATE WORK WILL START*

7/29/76

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8" OD	24# K-55 New	1000'	650 sx (Circ to surf.)
7 7/8"	5 1/2" OD	14 & 15.5# K-55 New	6350'	1100 sx (2 stage)(Circ. to surf)

Propose to drill a producing oilwell in the Empire Abo Unit area to complete a more efficient producing pattern, to conserve energy, promote the greatest ultimate recovery of unit reserves, prevent waste & protect correlative rights. Proposed non-standard well location to meet all requirements of Order No. R4549-B, Rule 14. NSL approval submitted to OCC, Santa Fe.

See Blowout Preventer Program attached.

Estimated formation tops:

Queen	1061'
San Andres	1988'
Glorietta	3456'
Abo	5950'

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Mud Program:

0 - 1000' Spud mud
1000 - 5850' Brackish Water
5850 - 6350' SWB 30-35 Vis 10CC WL

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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 District Drilling Supervisor DATE 6/30/76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

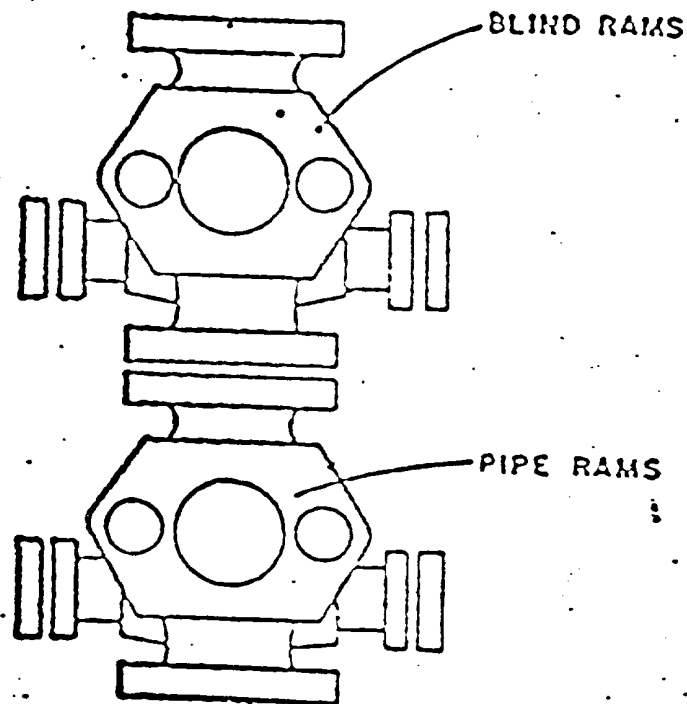
THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES OCT 27 1976 Instructions On Reverse Side

NOTICE: U.S.G.S. IS NOT RESPONSIBLE FOR THE
WITNESS: OPERATIONS ARE NOT TO BE
CASING.

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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO



ATLANTIC RICHFIELD COMPANY
Blow Out Preventer Program

Lease Name Empire Abo Unit K

Well No. # K-191

Location 1526'FSL & 1470'FEL (Unit Ltr J)
Sec. 1, T18S, R27E - Eddy County

BOP to be tested before installed on well and will be maintained in good working condition during drilling. All wellhead fittings to be of sufficient pressure to operate in a safe manner.

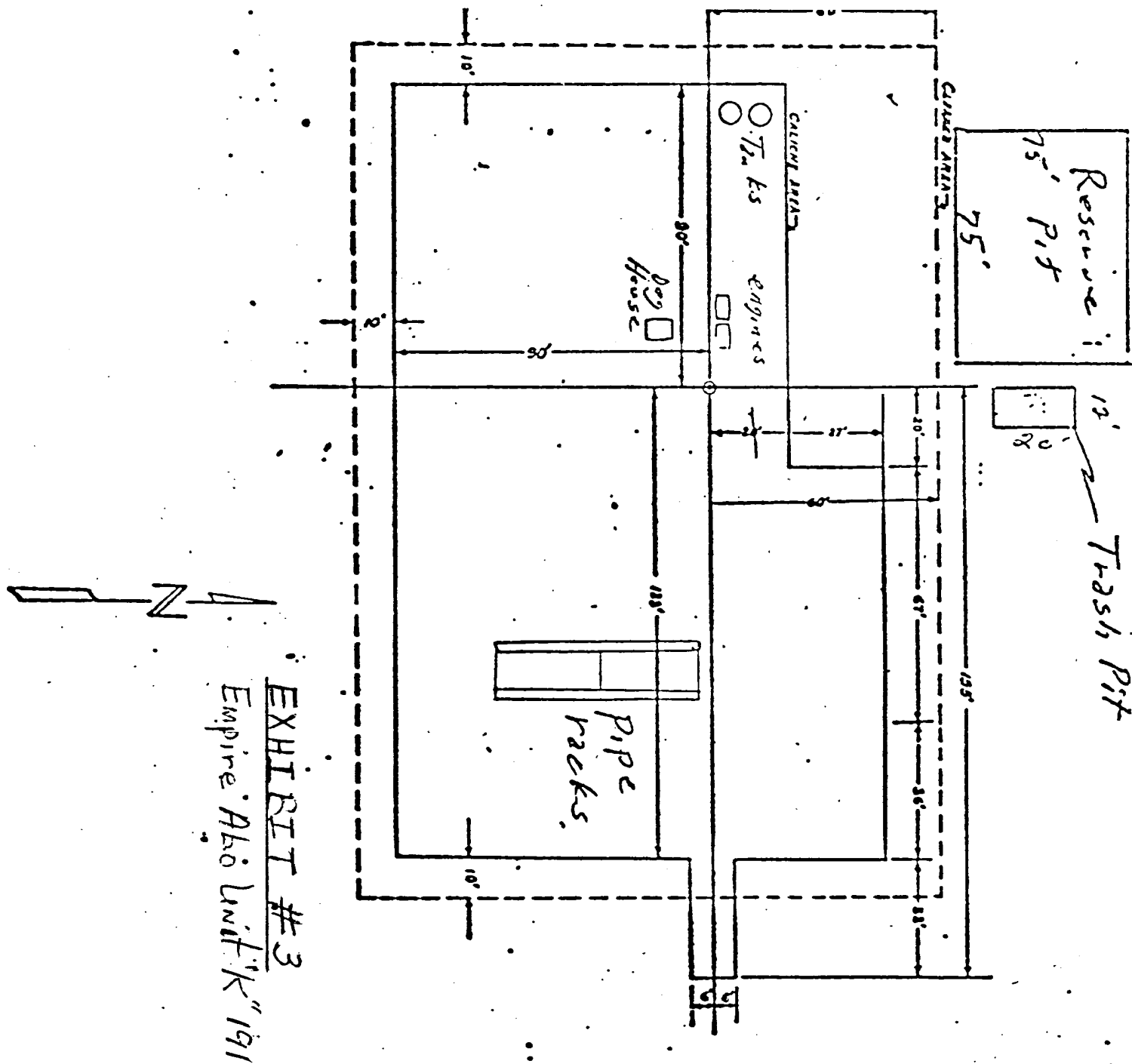


EXHIBIT #3
 Empire Abco Unit "K" 191

SPECIFICATIONS-

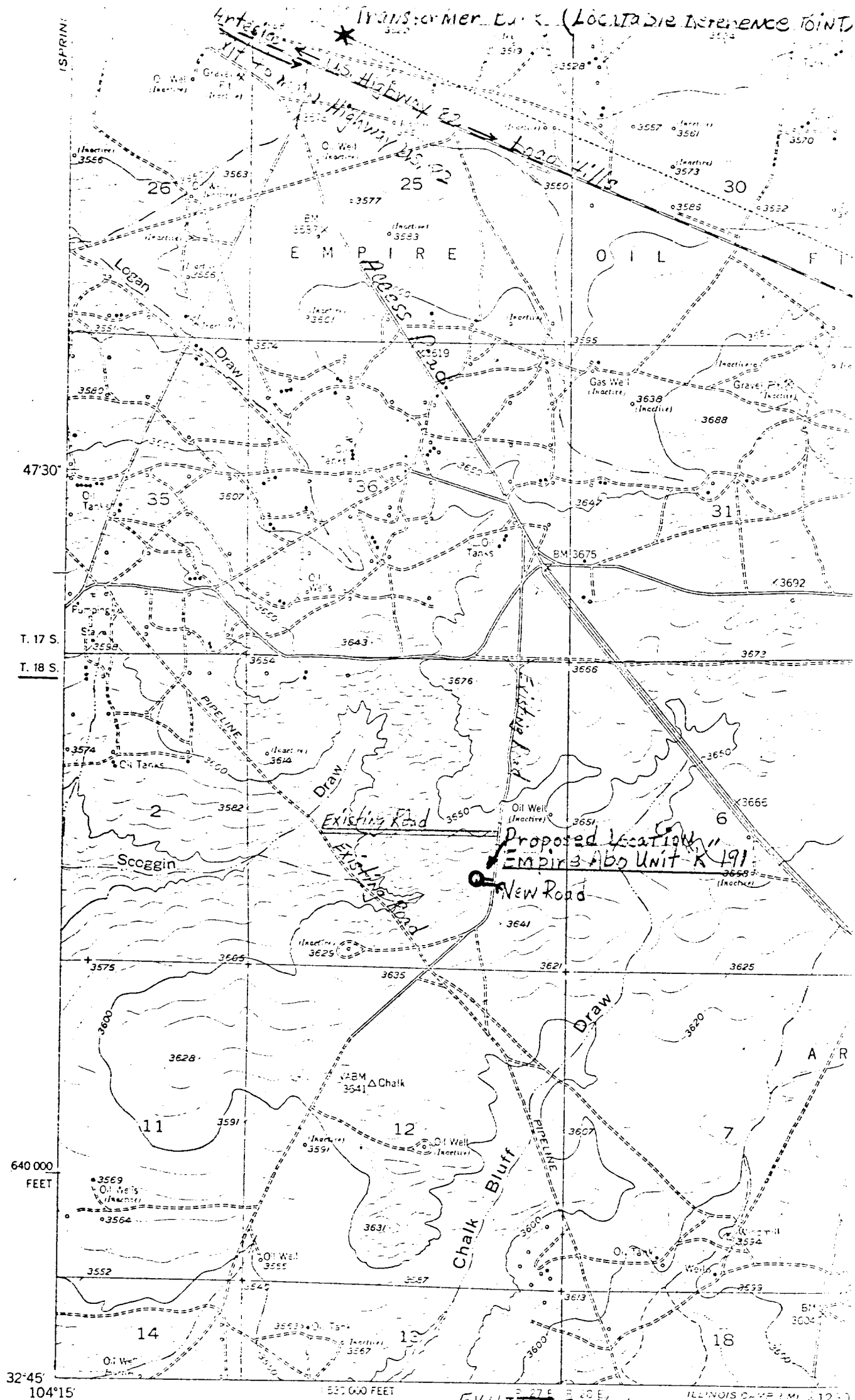
- A. LOCATION
 1. CONTRACTOR SHALL FURNISH, MAINT, DEMO, SHED, AND CONVEY CALICHE MINIMUM SHALL BE 6" COMPACTED. WATER SHALL BE APPLIED AT AN APPROXIMATE RATE OF 1 GALLON PER 50 FT. IN AREA OUTLINE BY 3 AREA WITH DASHED LINE SHALL BE IDENTIFIED WITH PAD.
- B. ROAD WENT APPLICABLE
 1. ROAD SHALL BE BUILT IN THE REGULATION AT A MINIMUM OF 17' WIDE WITH CURBS AND 15' WIDE AS TO ACCOMMODATE LOADED TRUCKS
 2. ROAD SHALL BE COVERED WITH 6" COMPACTED USING WATER AT THE RATE OF APPROX. ONE GALLON PER 50 FT.
 3. ATLANTIC SHALL FURNISH AT THE LOCAL, MCATTELE GUARD, FURBER 3113, AND POST. CONTRACTOR SHALL INSTALL CATTLE GUARD, LANDONMENTS SPECIFICATIONS.
 4. EXTRA CALICHE FOR ALL TURNING RADIUS BE ANTICIPATED AND LINEAR MEASUREMENT BIDS SHALL INCLUDE SUCH EXTRA CALICHE REQUIREMENTS.
- C. GENERAL
 1. DRILLING MAT CONTAINS AN ESTIMATED CU YDS. ABOVE MEASUREMENT.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ROYALTIES INCLUDING PIT ENTRY FEE, IF ANY.
 3. CITIAN TO BE BEER WOOD PABM.

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Atlantic Richfield Company
 Engineering and Construction Dept

STANDARD DRILLING MAT
 FOR WELLS LESS THAN 8000 FT.

WELLS



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

Culture and drainage in part compiled from aerial photographs
taken 1946. Topography by planetable surveys 1955

Polconic projection 1927 North American datum
10,000-foot grid based on New Mexico coordinate system,
east zone

All wells labeled active are dry, capped, or abandoned

