

NM OIL CONS. COMMISSION
DRAWER 58210
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other ins' ons on
revers. e)30-015-24694
Form approved.
Budget Bureau No. 42-B1425.

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 ARCO Oil and Gas Company
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 1710, Hobbs, New Mexico 88240

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

At surface

660' FNL & 1980' FEL (Unit letter B)

At proposed prod. zone as above

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

7.6 miles northeast of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

660' North

18. DISTANCE FROM PROPOSED LOCATION*

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

16. NO. OF ACRES IN LEASE

1920

19. PROPOSED DEPTH

3650'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3767.0' GR

22. APPROX. DATE WORK WILL START*

12/1/83

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11 1/2"	8-5/8" OD	32#	1500' 550' 11/23	475 sx Circ.
7-7/8"	5 1/2" OD	17#	3650'	625 sx Circ.

Propose to drill a development well and test the producing capabilities of the lower
Grayburg Jackson zones.

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

Roland P. Lawrence

TITLE

Drlg. Engr.

DATE

11/03/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

NOV 25 1983

APPROVED BY

ORIG. SIGNED JAMES A. GILLHAM

TITLE

ACTING District Manager

DATE

NOV 25 1983

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

**N. MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

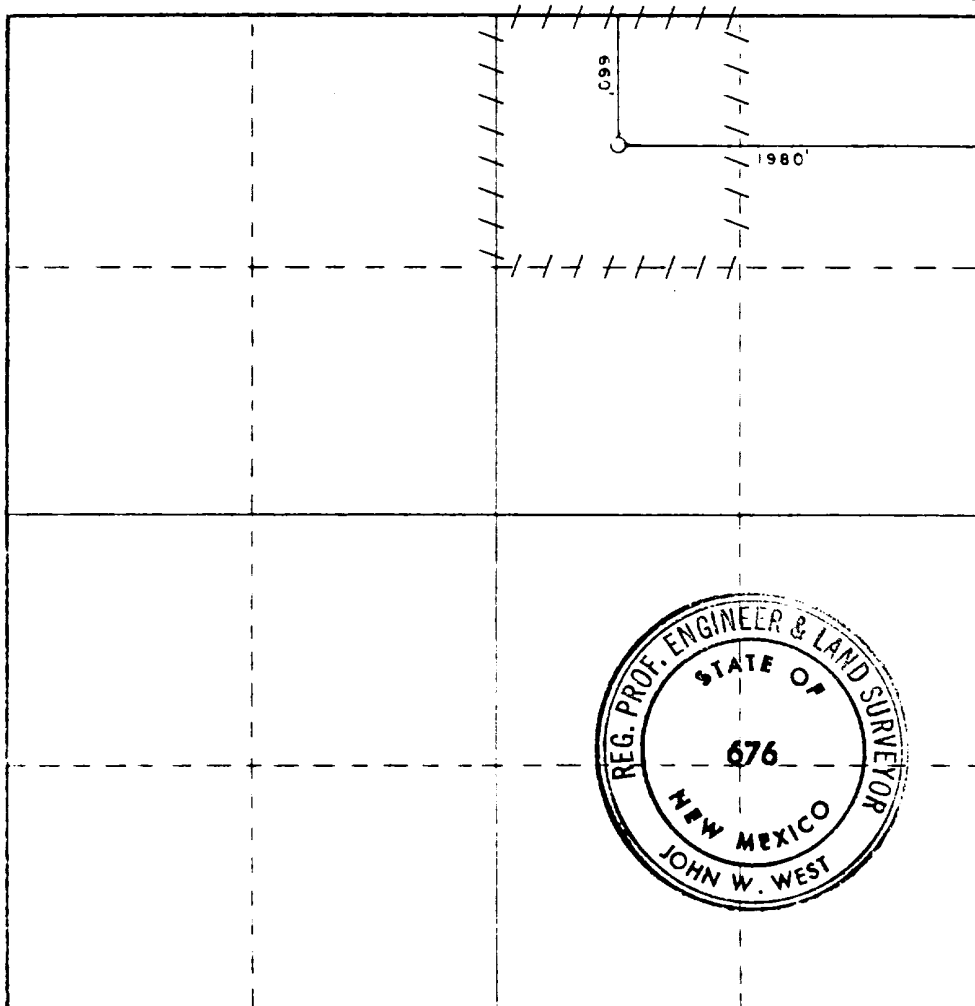
Operator Division of Atlantic Richfield Co. ARCO OIL & GAS CO.			Lease J. L. KEEL "B"		Well No. 32
Section Letter B	Section 6	Township 17S	Range 31E	County EDDY	
Well Location of Well: 1980 feet from the EAST line and 660 feet from the NORTH line					
Ground Level Elev. 3767.0	Producing Formation Queen Grayburg SA	Pool Grayburg Jackson - P - K - G - S - A		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes:" type of consolidation _____

If answer is "no:" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Roland P. Lawrence
Position _____

Drlg Engr.

Company **ARCO Oil and Gas Company
Div. of Atlantic Richfield Co.**

Date
11/03/83

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

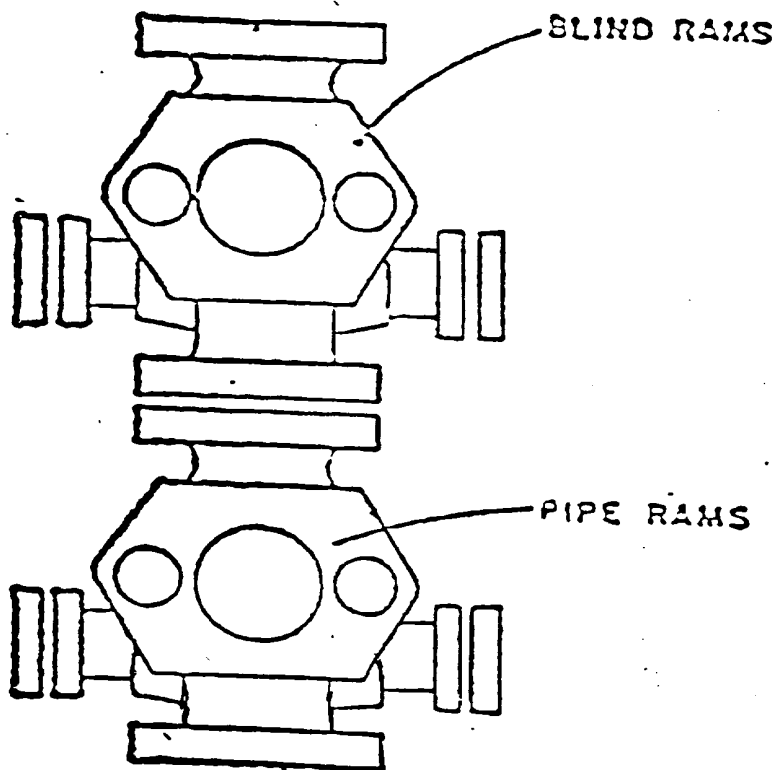
Date Surveyed
10/27/83

Registered Professional Engineer
and/or Land Surveyor

John W. West
Certificate No. _____

JOHN W. WEST, 676
RONALD J. EIDSON, 3239

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940



ARCO Oil & Gas Company

Division of Atlantic Richfield Company

Blow Out Preventer Program

Lease Name J. L. Keel "B"

Well No. 32

Location 1980' FEL & 660' FNL
Sec 6-17S-31E, Eddy County

BOP to be tested when 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.

To supplement USGS Form 9-331C "Application for Permit to Drill, Deepen or Plugback", the following additional information is submitted to comply with USGS Order MTL-6.

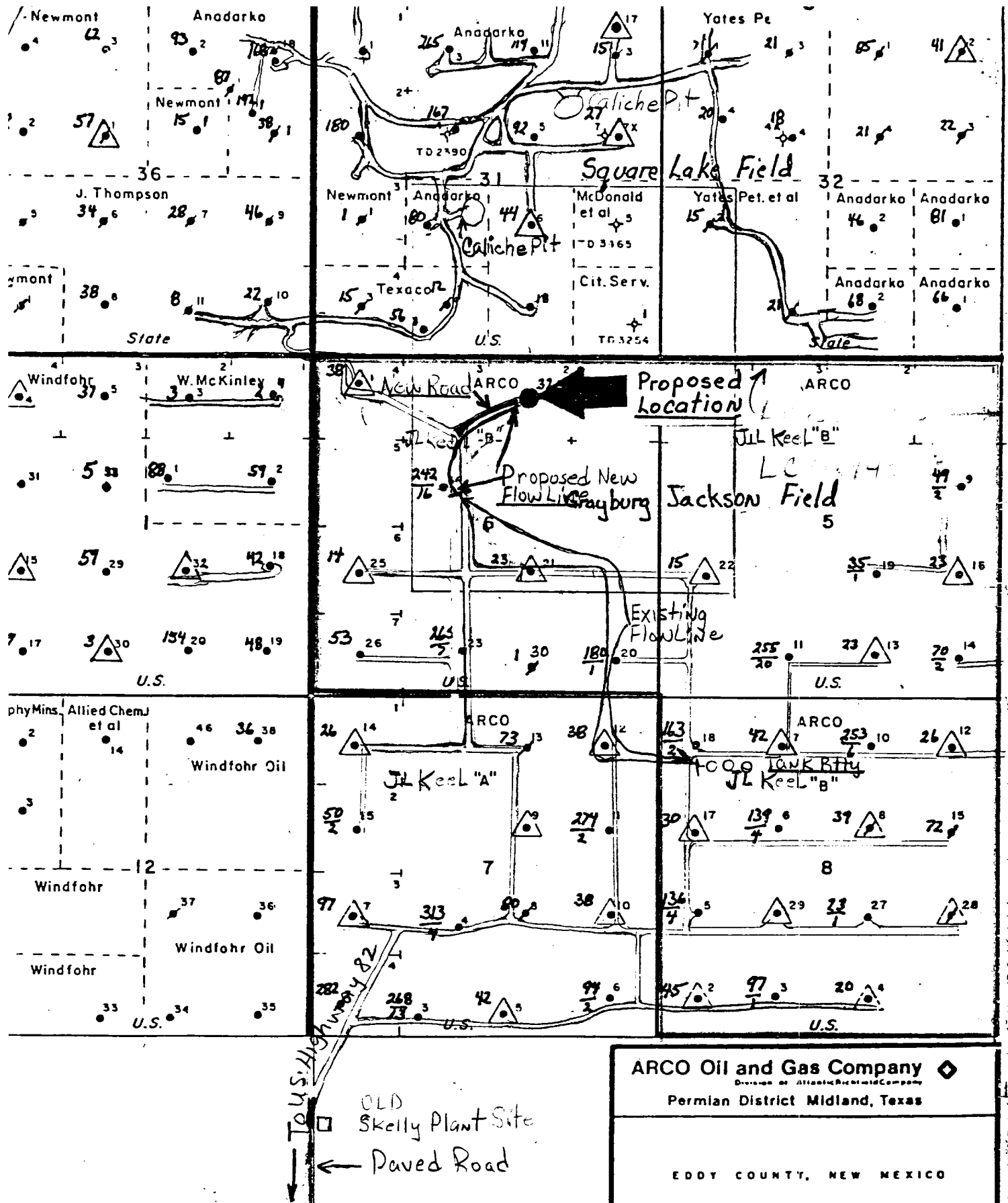
Operator: ARCO Oil and Gas Company - Division of Atlantic Richfield Company
Lease & Well No: J. L. Keel "B" #32

Location: Unit Letter B
Section 6-T17S-R31E, Eddy County, N.M.
Lease, New Mexico LC-029435-B
Development well X Exploratory well

1. See Well Location and Acreage Dedication Plat Form C-102.
2. See Form 9-331C for elevation above sea level of unprepared location.
3. The geologic name of the surface formation is:
Permian Artesian Group
4. The type of drilling tools and associated equipment to be utilized will be: Rotary.
5. The proposed drilling depth will be 3650' .
6. The estimated tops of important geologic markers are:

Anhydrite	1350'	Grayburg	2850'
Yates	1500'	San Andres	3150'
Seven Rivers	1800'		
Queen	2400'		
7. The estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are:

Fresh water (Ground Basin)	250'
Oil & Gas Grayburg	2850'
Oil & Gas San Andres	3150'
8. The proposed casing program including the size, grade and weight-per-foot of each string has been indicated on Form 9-331C. All strings of casing will be New X Used .
9. See Form 9-331C for amount of cmt.



ARCO Oil and Gas Company
 Division of Atlantic Richfield Company
 Permian District Midland, Texas

EDDY COUNTY, NEW MEXICO

Cumulative Production

ARCO Oil & Gas Company - Division of Atlantic Richfield Company

Exhibit "B" & "C"
 ARCO Oil & Gas Company - Division of Atlantic Richfield Company
 Well No. 32 J.L. Keel "B"
 660' FNL + 1980' FEL, Sec. 6-17S-31E, Eddy Co.

By: R. L. STRAMP	Drawn By:	Date: 11-80
Date: 11-80	Reviewed By: LGG	Date: 8-83
By: WEST AREA ENGR.	By: the	

