

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.
157

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name State 157 "D"	
2. Name of Operator ARCO OIL AND GAS COMPANY		9. Well No. 11	
3. Address of Operator P. O. Box 1610, Midland, Texas 79702		10. Field and Pool, or Wildcat Arrowhead	
4. Location of Well UNIT LETTER J LOCATED 1980-2123 FEET FROM THE South LINE AND 1644 FEET FROM THE East LINE OF SEC. 12 TWP. 22S RGE. 36E NMPM		12. County Lea	
19. Proposed Depth		19A. Formation Grayburg	
20. Rotary or C.T.		21. Elevations (Show whether DF, RT, etc.) 3461.9' GR	
21A. Kind & Status Plug. Bond GCA #8		21B. Drilling Contractor	
22. Approx. Date Work will start 11-24-86			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
	9-5/8"	36#	1209'	550	circ'd
	5-1/2"	15.5#	6800'	2025	circ'd

PROCEDURE

1. MIRU. Remove production equipment from well.
2. Set CIBP @ 6470' and spot 35' cmt on top. Pressure test.
3. Perf Grayberg w/1 JSPF @ 3640-3644', 3646-3652', 3662-3672', 3686-3730' & 3740-3786'.
4. Acidize Grayberg perfs f/3640-3786' w/5800 gals 15% NEFE HCL.
5. Swab test.
6. RIH w/production equipment and return well to pumping.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Ken W. Gosnell Title Engr. Tech. Spec. Date 11-4-86

(This space for State Use)

ORIGINAL FILED BY STATE
DISTRICT 1 DIVISION

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Distances must be from the outer boundaries of the Section

Operator		Division of Atlantic Richfield Co. Arco Oil & Gas Co.		State 157 - D	
Unit Letter	Section	Township	Range	County	
J	12	22 South	36 East	Lea	

Actual Footage Location of Well:

2123	feet from the	South	line and	1644	feet from the	East	line
Ground Level Elev.	Producing Formation		Pool	Dedicated Acreage			
3461.9	Drinkard Arrowhead		Drinkard Grayburg	40			

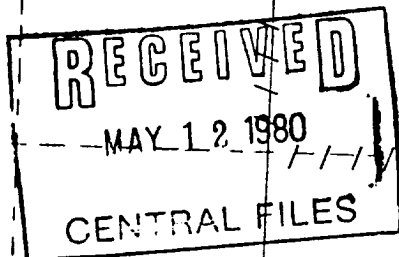
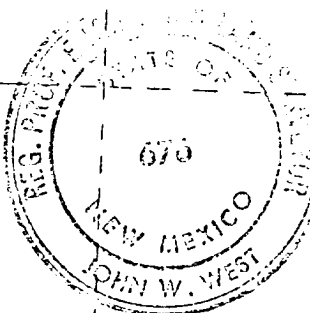
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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.

* Corrected Form C-102 to change actual footage location of well



CERTIFICATION

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

Name John W. West
Position Dist. Drlg. Supt.
ARCO Oil and Gas Company
Division of Atlantic Richfield Company

Date 3/5/80

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 Jan. 9, 1980

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. JOHN W. WEST 675
PATRICK A. ROMERO 8488
Ronald J. Eidson 3239

