

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-22307

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  
 AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR  
 501 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 840' FNL and 790' FEL, Section 15, T24N, R4W  
 At proposed prod. zone  
 Same

5. LEASE DESIGNATION AND SERIAL NO.  
 Jicarilla 363

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Jicarilla Tribal 363 "A"

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Lindrith Gallup-Dakota West *est*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SE/4, NE/4, Section 15, T24N, R4W

12. COUNTY OR PARISH | 13. STATE  
 Rio Arriba | New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 11 miles Northeast of Counselors, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 790'

16. NO. OF ACRES IN LEASE  
 2560.00

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 160

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 5280'

19. PROPOSED DEPTH  
 7513'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6858' GL

22. APPROX. DATE WORK WILL START\*  
 As soon as permitted

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" (New)	24#	300'	315 sx Class "B" Neat
7-7/8"	5-1/2" (New)	17#	7513'	1275 sx Class "B" 50:50 POZ

The above well is being drilled to further develop the Gallup and Dakota formation. The gas from this acreage is not committed to a purchaser.



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 B. E. Jackell District Engineer DATE January 9, 1980

APPROVED AS AMENDED  
 MAR 6 1980  
 JAMES F. SIMS  
 DISTRICT ENGINEER

RECEIVED  
 JAN 10 1980

(This space for Federal or State office use)  
 PERMIT NO.  
 APPROVED BY  
 CONDITIONS OF APPROVAL, IF ANY:

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

State  
 ok 3/10

U. S. GEOLOGICAL SURVEY  
 DUNNED, COLO.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

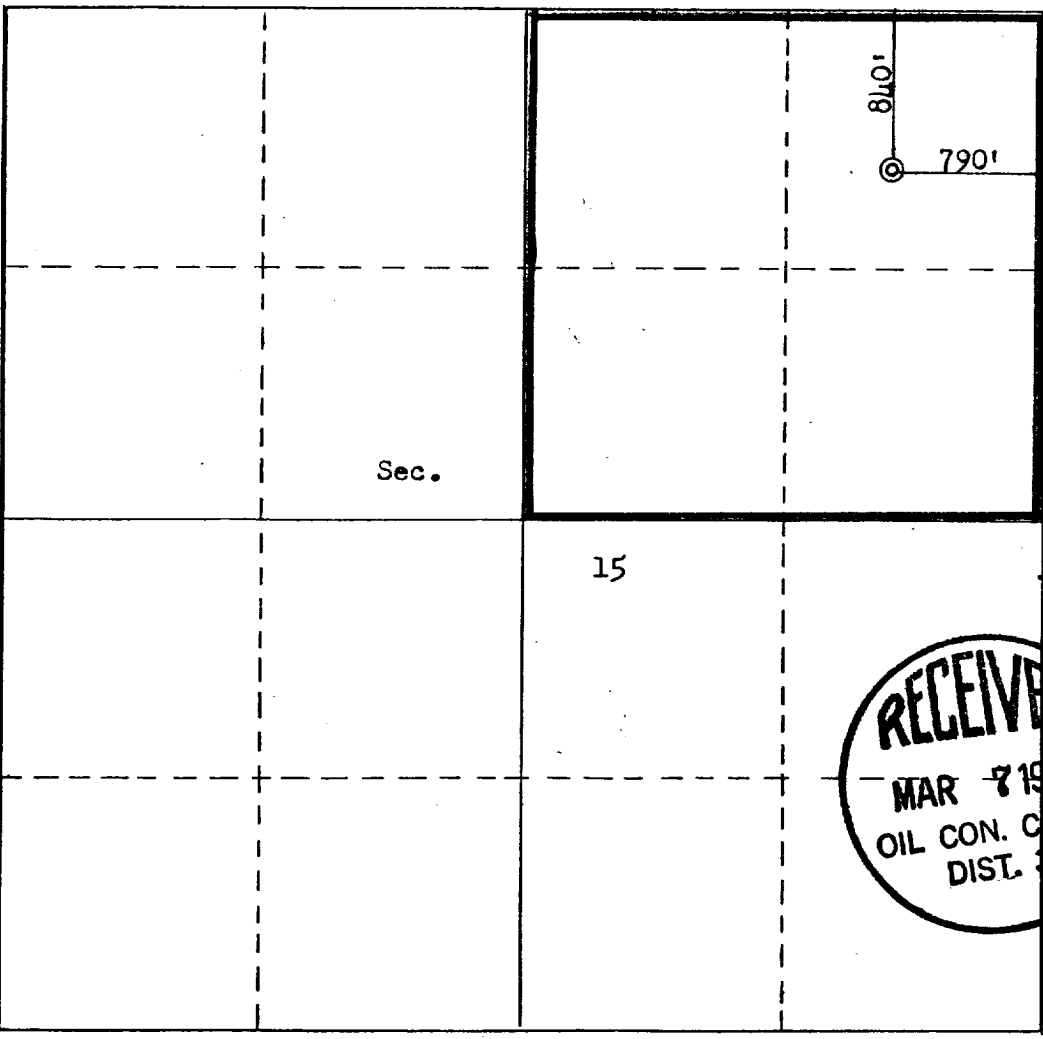
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>JICARILLA TRIBAL 363 "A"</b>		Well No. <b>1</b>
Unit Letter <b>A</b>	Section <b>15</b>	Township <b>24N</b>	Range <b>4W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>840</b> feet from the <b>North</b> line and <b>790</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6858</b>	Producing Formation <b>Gallup-Dakota</b>	Pool <b>Lindrith Gallup-Dakota West</b>		Dedicated Acreage: <b>160</b> 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.

*B. E. Fackrell*

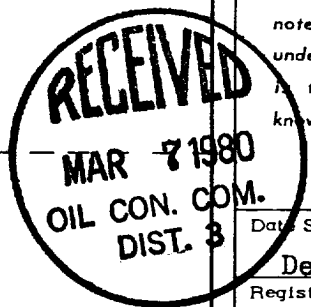
Name  
**B. E. FACKRELL**

Position  
**DISTRICT ENGINEER**

Company  
**AMOCO PRODUCTION COMPANY**

Date  
**DECEMBER 7, 1979**

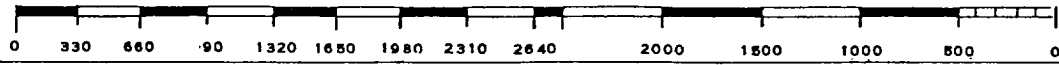
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.



Date Surveyed  
**December 15, 1979**

Registered Professional Engineer and/or Land Surveyor  
**Fred B. Kern**

Certificate No.  
**3950**



SUPPLEMENTAL INFORMATION TO FORM 9-331C

JICARILLA TRIBAL 363 "A" NO. 1  
840' FNL & 790' FEL, SECTION 15, T24N, R4W  
RIO ARRIBA COUNTY, NEW MEXICO

The geologic name of the surface formation is the Tertiary San Jose.

Estimated tops of important potential hydrocarbon bearing formations:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Fruitland	2742'	+4129'
Pictured Cliffs	2932'	+3939'
Mesaverde	4592'	+2279'
Gallup	6192'	+ 679'
Dakota	7163'	- 292'
TD	7513'	

Estimated KB elevation: 6871'

Drilling fluid to TD will be a low solids non-dispersed mud system. Open hole logging program will include the following logs from TD to below surface casing:

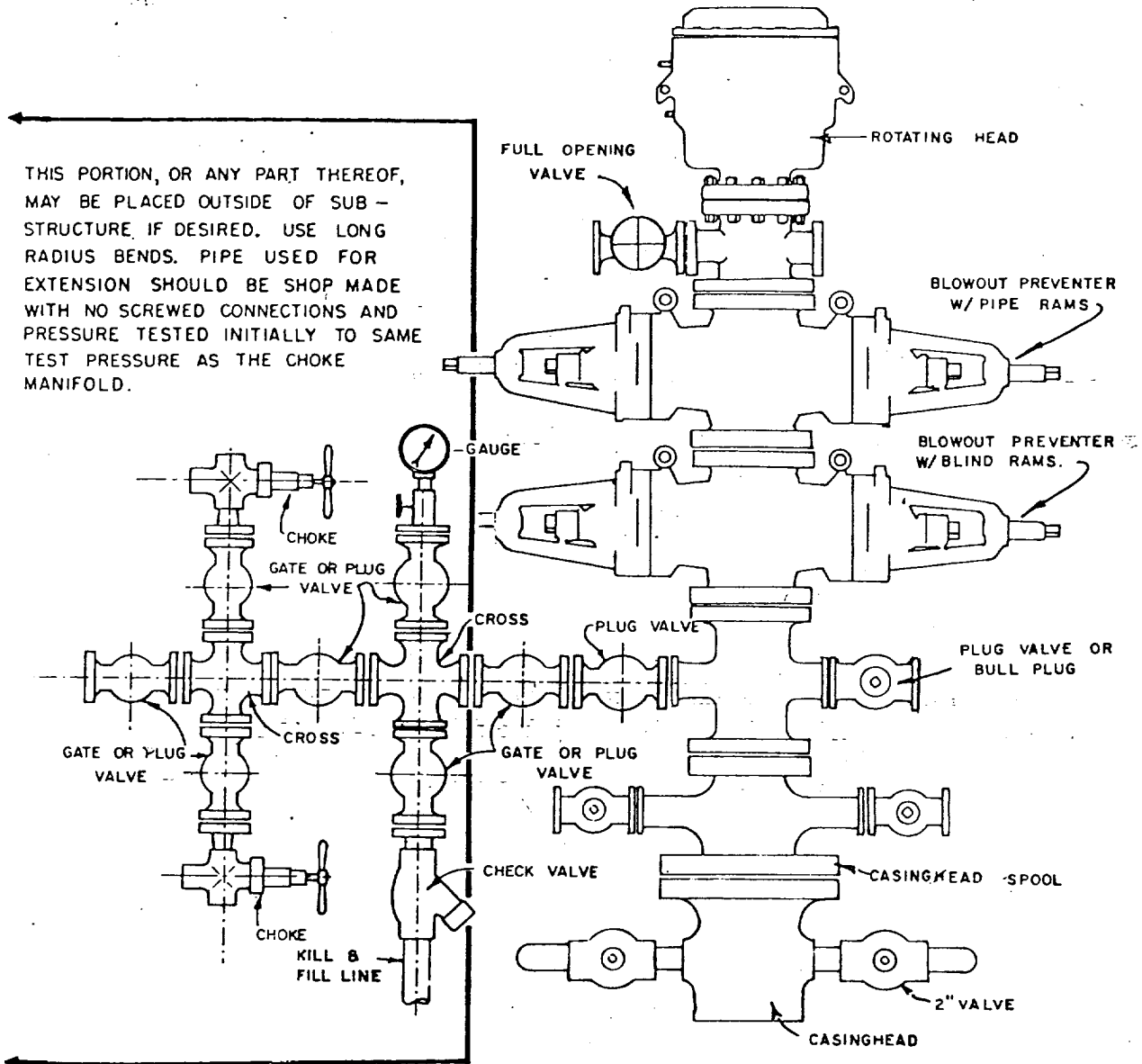
Induction Electric - SP - Gamma Ray  
Compensated Formation Density - Neutron Porosity - Gamma Ray

Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 4 weeks.

Amoco's standard blowout prevention will be employed (see attached drawing).

THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE, IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKE MANIFOLD.



BLOWOUT PREVENTER HOOKUP

MULTI-POINT SURFACE USE PLAN

JICARILLA TRIBAL 363 "A" NO. 1  
840' FNL & 790' FEL, SECTION 15, T24N, R4W  
RIO ARRIBA COUNTY, NEW MEXICO

1. The attached topographic map shows the proposed route to the location.
2. It will be necessary to build an access road approximately one-half mile in length and 20 feet wide.
3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the vicinity map.
4. There are no tank batteries or facilities operated by Amoco located nearby.
5. Water will be hauled from Jicarilla water wells.
6. No construction materials will be hauled in for this location.
7. A 125' by 125' pit will be built on location to hold all drilling waste. Upon completion of the well, pit will be fenced and waste and liquids left to dry, then pit will be filled and leveled.
8. There are neither airstrips nor camps in the vicinity.
9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 6-8 foot cut will be made on northwest side.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Drilling mud will be hauled away and the reserve pit back filled. Reseeding of the site will be carried out as instructed by the Bureau of Indian Affairs.
11. The general topography is a sloping area with sandy loam soil; vegetation consists of sagebrush and native grasses.

Representatives of the U. S. Geological Survey's Durango Office and the Jicarilla Tribe's Dulce Office inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from San Juan College.

12. Operator's Representative: R. W. Schroeder  
Phone: Office: 505-325-8841; Home: 505-325-6164  
Address: 501 Airport Drive, Farmington, NM 87401

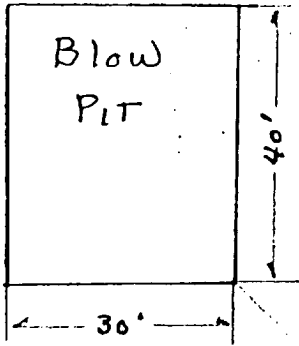
Certification: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by AMOCO PRODUCTION COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date January 2, 1980

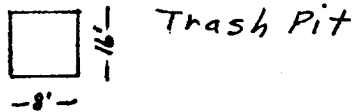
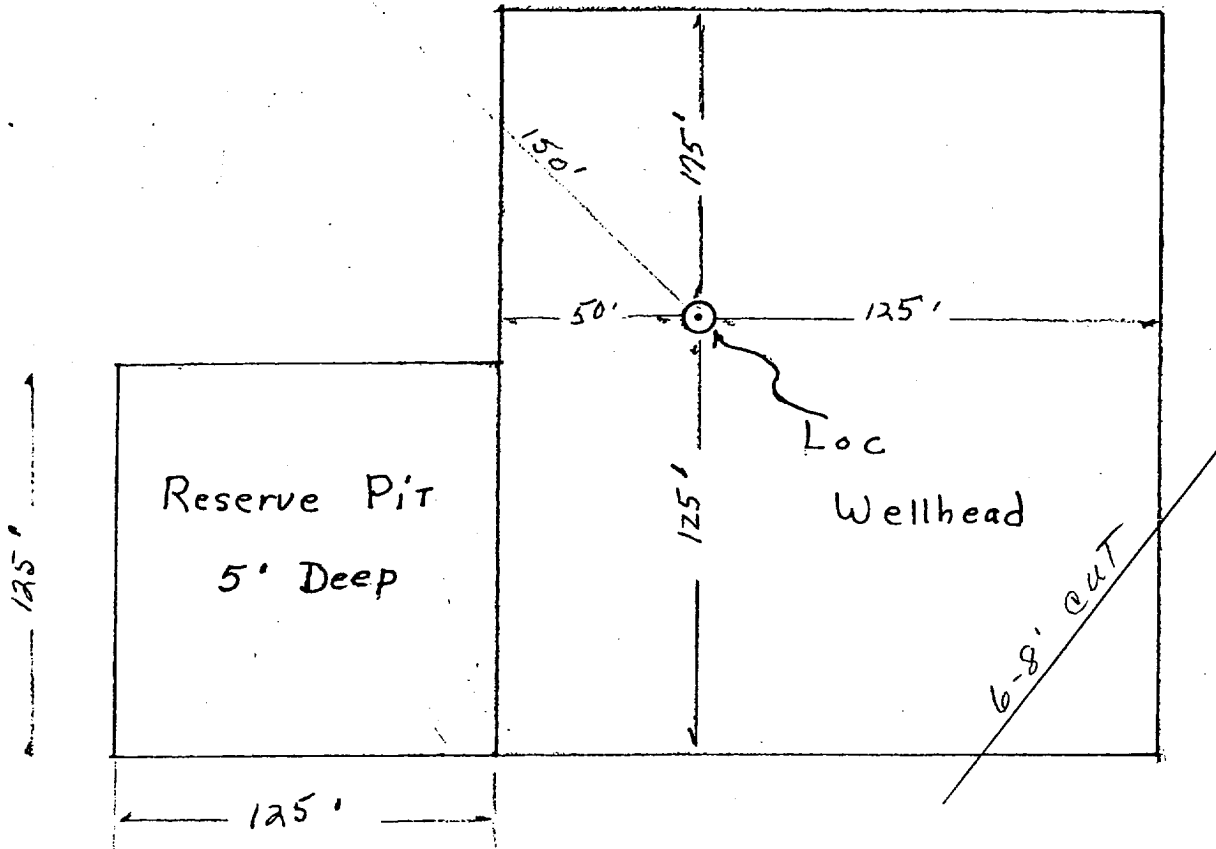
  
R. W. Schroeder, District Superintendent



Vicinity Map for  
AMOCO PRODUCTION COMPANY #1 JICARILLA TRIBAL 363 1/2  
840' FNL 790' FEL Sec 15-T24N-R4W  
RIO ARriba COUNTY, NEW MEXICO



↑  
SSW



Approximately 1.2 Acres

Amoco Production Company	SCALE: <i>None</i>
Drilling Location Specs JICARILLA TRIBAL 363 "A" NO. 1	DRG. NO.