

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-21354

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

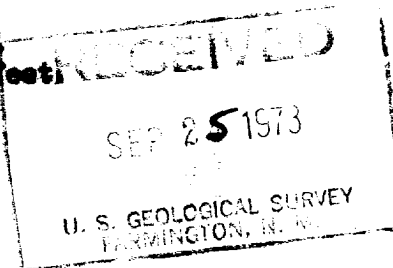
1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. NOC-C-14-20-5126
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
2. NAME OF OPERATOR Alamosa Drilling Inc. P.O. Box 609 Alamosa, Colo. 81101			7. UNIT AGREEMENT NAME Chaco #1
3. ADDRESS OF OPERATOR 1650' from south line & 1650' from east line P.O. Box 609 Alamosa, Colo.			8. FARM OR LEASE NAME Navajo Chaco
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1650' from south line & 1650' from east line At proposed prod. zone			9. WELL NO. one
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 Miles			10. FIELD AND POOL, OR WILDCAT wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		16. NO. OF ACRES IN LEASE 1280	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA sec. 23-29N-17W NE 1/4 of sec. 23
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH 1250	12. COUNTY OR PARISH San Juan
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5242		17. NO. OF ACRES ASSIGNED TO THIS WELL 40 acres	13. STATE New Mexico
22. APPROX. DATE WORK WILL START* As soon as approved			20. ROTARY OR CABLE TOOLS Rotary

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9"	7"	20 lbs.	60'	cement circulated to surface
6 1/2"	4 1/2"	9.5 lbs.	1250'	38 sacks Bottom

Plan to set 7" to 60 feet cemented to top
7" pipe 20lbs.--J55

Drill 6 1/2" hole to top of Dakota sand and set 4 1/2"
9.5 lbs.--J55 casing cement 150 feet and drill
with air through top of Dakota 6 inches to 3 feet
at most.



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 Shirley Davis TITLE Operator DATE 9-20-73

(This space for Federal or State office use)

PERMIT NO. APPROVED APPROVAL DATE _____APPROVED BY OCT -2 1973 TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

M. L. SEEINGER
ACTING DISTRICT ENGINEER

*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 started.

U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-386

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**NEW 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.

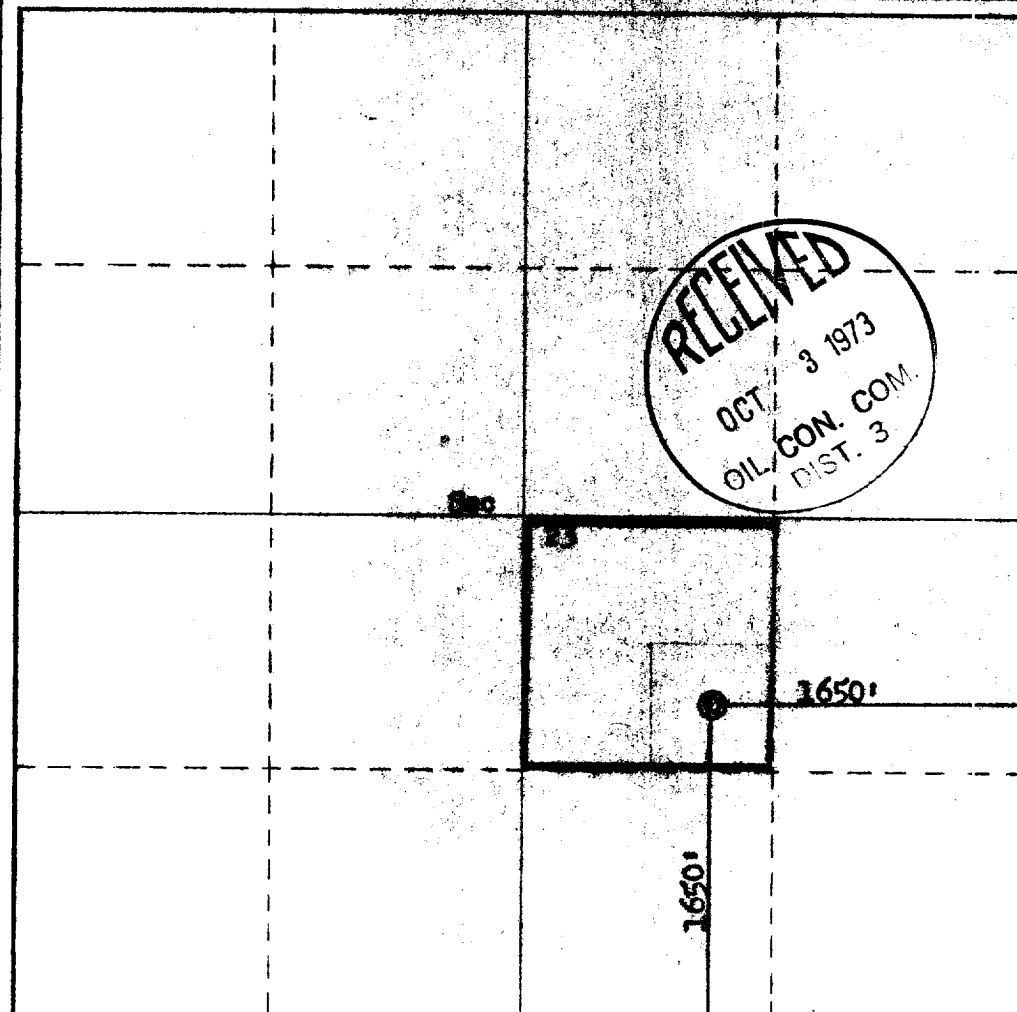
Operator Alamosa Drilling Inc			Lease Chaco		Well No. 1
Unit Letter J	Section 23	Township 29N	Range 17W	County San Juan	
Actual Footage Location of Well: 1650 feet from the South line and 1650 feet from the East line					
Ground Level Elev. 5242	Producing Formation Delta Tm		Pool WC	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 communization, 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 communization, unitization, forced-pooling, or otherwise) or until a non-staked 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.

Name _____
Position _____

Company _____
Date _____

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 **March 5, 1973**

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerry Jr.

Certificate No. **3950**