

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUMMIT DR. TRIP/AL
(Check instructions on
reverse side)

FORM NO. 42 11-75

30-045-22292

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-13609
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR George E. Coleman		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 1915, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Midway
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 790' FSL & 1850' FWL At proposed prod. zone Same		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 10 miles South of "44" Store		10. FIELD AND POOL, OR WILDCAT Wildcat - <i>Chama</i>
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 1280	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. None	19. PROPOSED DEPTH 1450	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6643 GR		22. APPROX. DATE WORK WILL START* 12-15-76

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	23	90'	75 sacks class "B" + 2% CaCl ₂
6"	4 1/2	9.5	1450	150 sacks class "B" + 2% CaCl ₂ plus 100 sacks 65-35 Poz mix + 12% gel

Move in - rig up rotary tool Drill 12 1/4" hole to 90'. Run 90 feet new 8 5/8" casing and cement as above. Wait on cement 12 hours. Install and test 6" 600 series blow out preventers. Drill 6" hole to 1450 feet. The Picture Cliff formation will be cored. Mud system will be a gel-chemical with the following characteristics: wt 9.0 to 9.3# per gallon, water loss 10-12 cc, viscosity 30-40 seconds. At total depth open hole logs of IES, FDC-CNL, GR-Caliper will be run. If the well is commercial 4 1/2" casing will be run and cemented as above. If the well is non-commercial, it will be plugged and abandoned as per U.S.G.S. instructions.

Gas under the lease is not committed to a contract.

DEC 15 1976

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 William T. Jones TITLE Agent DATE 12-10-76
 (This space for Federal or State office use)

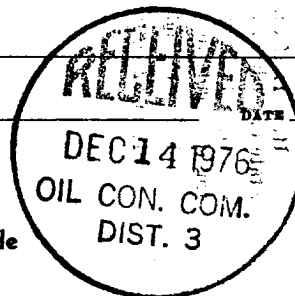
PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

Clay

*See Instructions On Reverse Side



NATIONAL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1
Supersedes Form No. 1
Effective 1-4-58

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

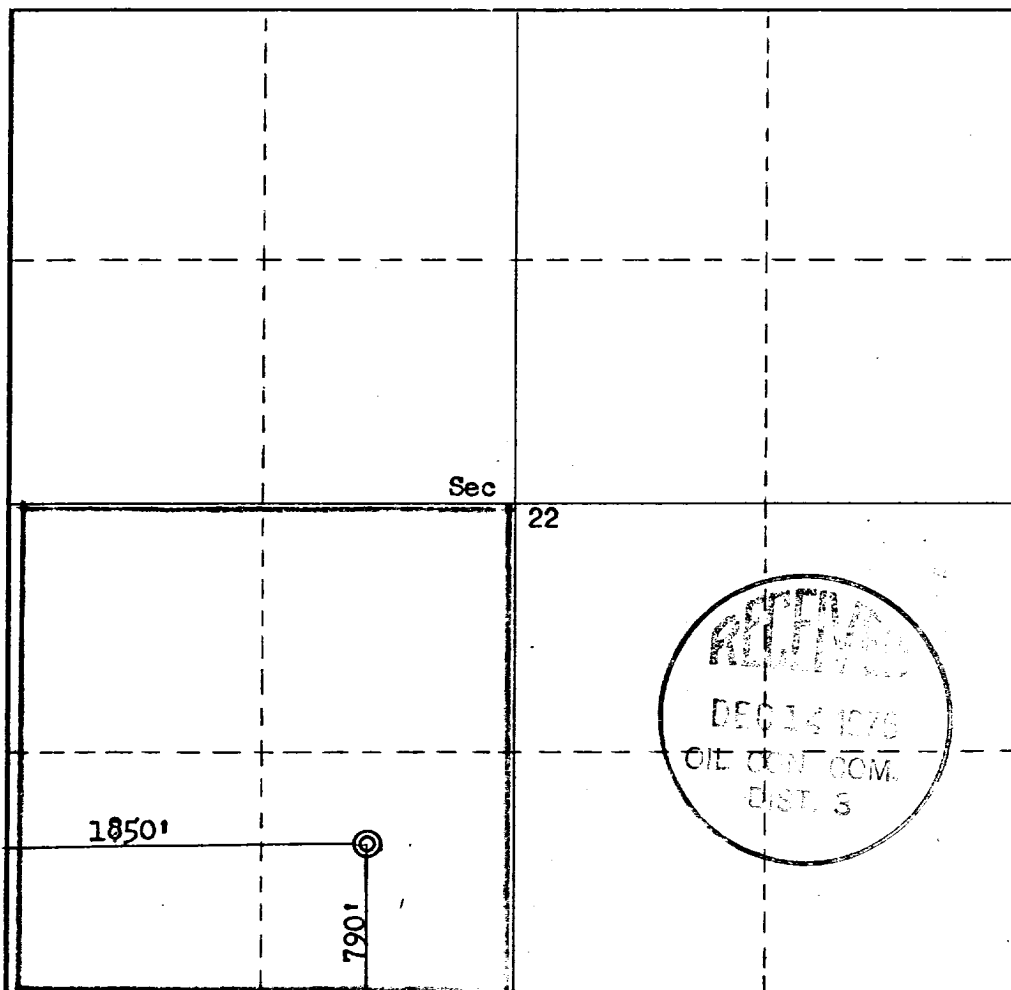
Operator George Coleman			Lease Midway		Well No. 1
Unit Letter N	Section 22	Township 22N	Range 8W	County San Juan	
Actual Footage Location of Well: 790 feet from the South line and 1850 feet from the West line					
Ground Level Elev. 6643	Producing Formation Chacra	Pool Wildcat		Dedicated Acreage: 160 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.

William T. Jones

Name
William T. Jones

Position
Agent

Company
George E. Coleman

Date
12-10-76

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.

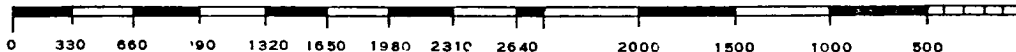
Date Surveyed

December 2, 1976

Registered Professional Engineer and/or Land Surveyor

Fred B. Kett Jr.
Fred B. Kett Jr.

Certificate No.
3950



Archaeological Clearance Survey Report

for

Coleman Drilling Co.

December 9, 1976

Location

Midway #1

Prepared by
Nancy S. Hewett

Submitted by
Dr. J. Loring Haskell
Operations Director and
Principal Investigator
Agency of Conservation Archaeology

Introduction

The Agency of Conservation Archaeology of the San Juan County Museum Association and Eastern New Mexico University recently completed an archaeological clearance survey on lands south of Escavada Wash to be impacted by the proposed construction of one well pad and one access road by Coleman Drilling Company of Farmington, New Mexico.

The survey project was initiated at the request of Mr. Bill Jones of the Three E Company, Farmington, on December 3, 1976. It was administered by Mr. Jones and Dr. J. Loring Haskell of the Agency of Conservation Archaeology, Portales.

The field work was conducted by Mrs. Nancy Hewett of the Agency of Conservation Archaeology, Farmington, on December 9, 1976 under provisions of Federal Antiquities permit No. 76-NM-023 which expires on March 7, 1977. Representing Coleman Drilling in the field was Mr. Jack Cook of the Three E Company, Mr. Bob Moore of the Bureau of Land Management, and Mr. M. L. Seelinger and Mr. Ray Swanson of the U. S. Geological Survey.

Survey

The requested archaeological clearance survey involved one well pad and one access road described below and located on lands under the jurisdiction of the Bureau of Land Management. For specific details of location, please see the attached topographic map and the recommendations section of this report.

The general survey procedure employed was to walk the area of the proposed construction in a zig zag manner. Visual inspection was made of the ground surface free of snow for evidence of any artifactual remains of historic or prehistoric origin. Floral, faunal and geological observations were made to briefly describe the environmental situation.

Coleman Midway #1

Environment: The terrain of the proposed well pad and access road is relatively flat. There is a slight slope in areas outside of the immediate perimeter of the well pad, with drainage by sheet wash erosion to the north into Escavada Wash. The vegetation consists of various grasses, big sagebrush (Artemisia tridentata) and sparse snakeweed (Gutierrezia sarothrae). The area is heavily grazed. The soil is light brown sandy loam. No grading of the 1500' access road nor the well pad is proposed.

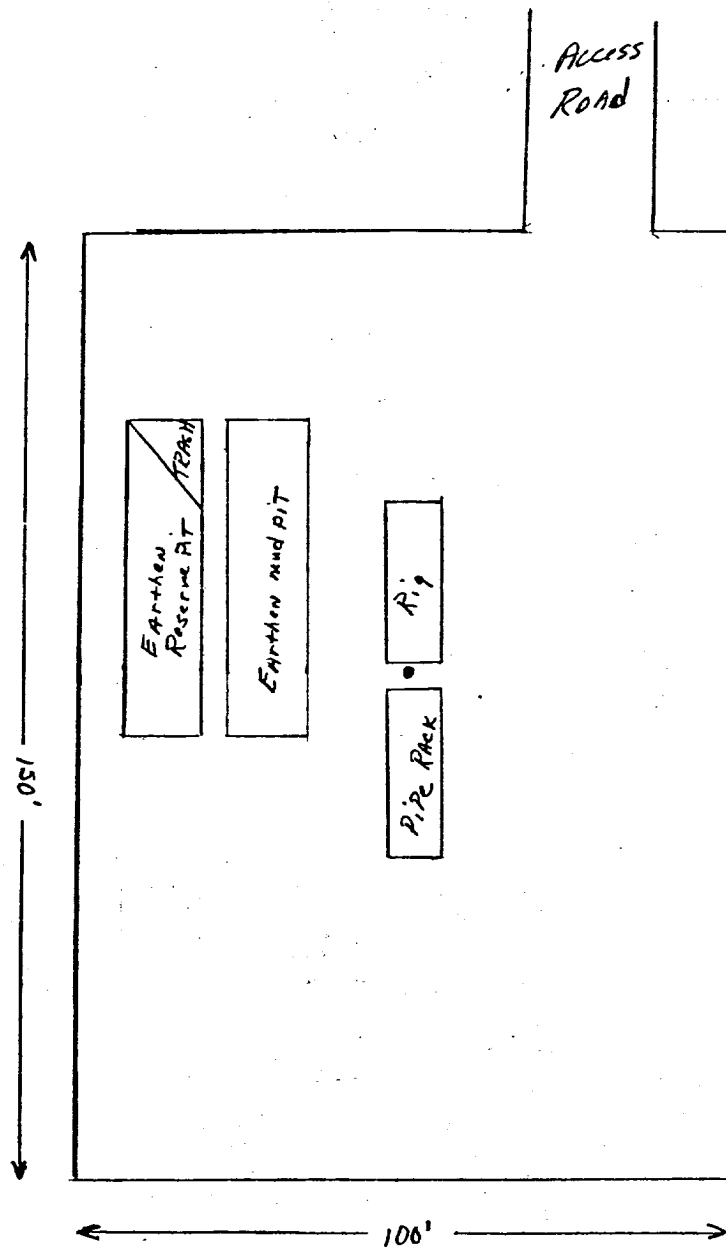
Cultural Resources: No artifacts were noted. Site maps were consulted to see if there are any previously recorded sites in the general vicinity, but none were located.

Recommendations

Because of the lack of cultural resources, all areas are recommended for immediate archaeological clearance.

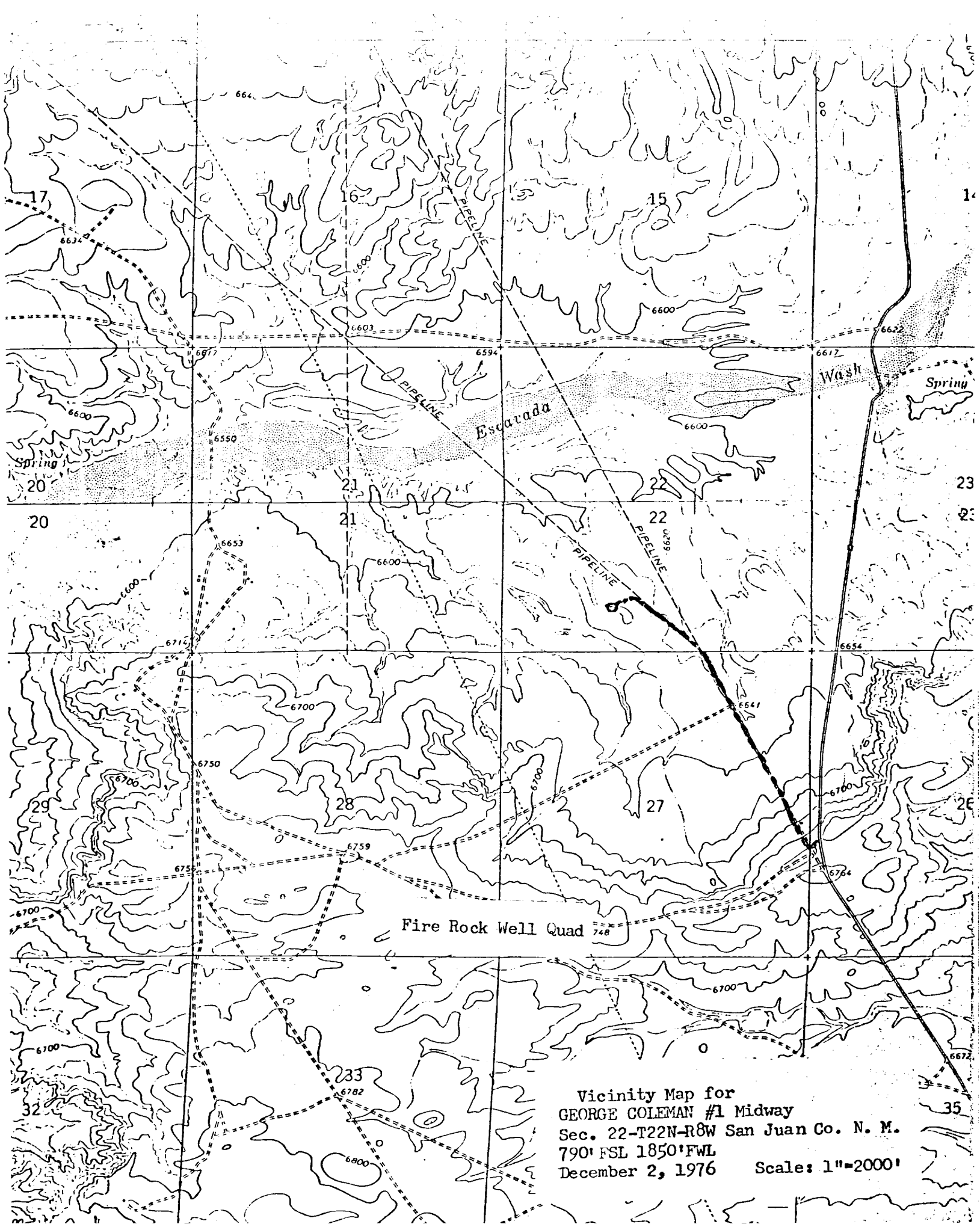
<u>Well</u>	<u>Area</u>	<u>Location</u>	<u>Clearance Status</u>
#1	(pad) 100' x 100' (road) 1500' x 20'	N $\frac{1}{2}$ of SW $\frac{1}{4}$ Sec. 22 T22N R8W NMPM San Juan County, New Mexico. Map Source: 7.5' USGS Fire Rock Well Quad.	Recommended

Well Site Plat



Scale 1" = 30'

George E. Coleman
 Midway #1
 Wildcat
 790' FSL & 1850' FWL
 SEC 22, T22N, R8W
 San Juan County, New Mexico



Fire Rock Well Quad 748

Vicinity Map for
GEORGE COLEMAN #1 Midway
Sec. 22-T22N-R8W San Juan Co. N. M.
790' FSL 1850' FWL
December 2, 1976 Scale: 1"=2000'

3E COMPANY, INC.

Engineering • Energy • Exploration

P. O. Box 190 505/327-4020

FARMINGTON, NEW MEXICO 87401

December 10, 1976

U. S. Department of Interior
Geological Survey
P.O. Box 959
Farmington, N.M. 87401

Attention: Mr. Phil T. McGrath
District Engineer

RE: Development Plan for Surface
Use
George E. Coleman
Midway #1
790' FSL and 1850' FWL
Sec 22, T22N, R8W
Wildcat
San Juan County, New Mexico

Gentlemen:

Attached for your approval is the "Application for Permit to Drill" (form #9-331C) for the subject well. Also enclosed as support data for the Development Plan are the following reports and plats: Archaeological Report, Surveyor's Plat, drill site plat and vicinity map. Mrs. Nancy Hewett of the Agency of Conservation Archaeology, Mr. Bob Moore of the BLM, and Mr. M. L. Seelinger and Mr. Ray Swanson of the U.S.G.S. have inspected the location.

The Development Plan for Surface Use is as follows:

Points 1, 2, 3, 4, 6 and 9. Vicinity map and drill site plat attached.

Point 5. Water for drilling will be hauled from Chapman Water Hole 12 miles to the South and East.

Point 7. A waste disposal pit will be provided for the garbage and trash. Location shown on drill site plat. Drilling fluids will be contained in the reserve pit until such time as evaporation occurs and then pits will be covered. During dry out the pit will be fenced to eliminate livestock entry.

Point 8. No camps or airstrip.

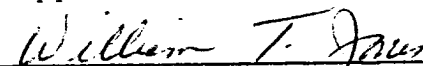
Point 10. Should the subject well be a producer it will be equipped to facilitate producing operations. All drilling pits will be filled, location leveled with reseeding of the areas not necessary for day to day operations. Should the well be a dry hole all pits will be filled, location leveled and reseeded. All reseeding will be done between July 1 and September 15, with equipment specified by the BLM. The seed mixture will be that recommended for area II of the Farmington Resource Area.

Point 11. The topography of the well site is relatively flat. No grading of the access road nor the well pad is proposed. Vegetation consists of various grasses, sagebrush and snakeweed. The area is heavily grazed.

Point 12. William T. Jones
3E Company, Inc.
P.O. Box 190
Farmington, N.M. 87401
505-327-4020

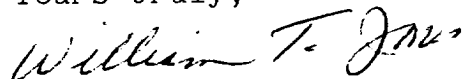
Point 13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by George E. Coleman and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

December 10, 1976


William T. Jones, Agent

Should further information be required, please advise.

Yours truly,



William T. Jones

WTJ:kj

Enclosures