

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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-33042
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 None
2. NAME OF OPERATOR Whigham Associates		7. UNIT AGREEMENT NAME None
3. ADDRESS OF OPERATOR P.O. Box 255, Farmington, N.M. 87401		8. FARM OR LEASE NAME Odessa
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1600' from North line, 1800' from East line At proposed prod. zone Same		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 mi. south of Farmington, N.M.		10. FIELD AND POOL FOR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1600 ft.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S25-T27N-R13W, NMPM
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 160 (NE/4)		13. STATE N.M.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None		19. PROPOSED DEPTH 1315 ft.
20. ROTARY OR CABLE TOOLS Rotary		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5915 ground
22. APPROX. DATE WORK WILL START* July 1, 1978		

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7 7/8"	5 1/2"	15.5#	33'	5 sacks-to surface
4 3/4"	2 7/8"	6.5#	1315'	75 sacks-to surface

It is proposed to drill a 7 7/8" surface hole to 33', set 5 1/2" casing; after 12 hrs. setting time to drill a 4 3/4" hole with low-water loss mud to a total depth of 1315' to test the Pictured Cliffs Sandstone and Fruitland formations. If open-hole electrical log evaluation indicates a possible gas-productive zone, 2 7/8" tubing will be run to T.D., cemented to the surface and a completion attempt made by perforating the likely zones. No blow-out preventer is contemplated as mud weight is sufficient to control expected low-pressure zones, if present. A master valve and stripping head will be utilized during any completion attempt. Estimated formation tops are as follows: Fruitland formation-940'; Pictured Cliffs Ss.-1250'; Lewis Sh.-1310'.

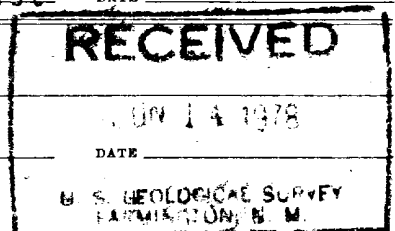
Gas not dedicated

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. For Whigham Associates
SIGNED William R. Beer TITLE Consulting Geologist DATE JUN 16 1978
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:



**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.

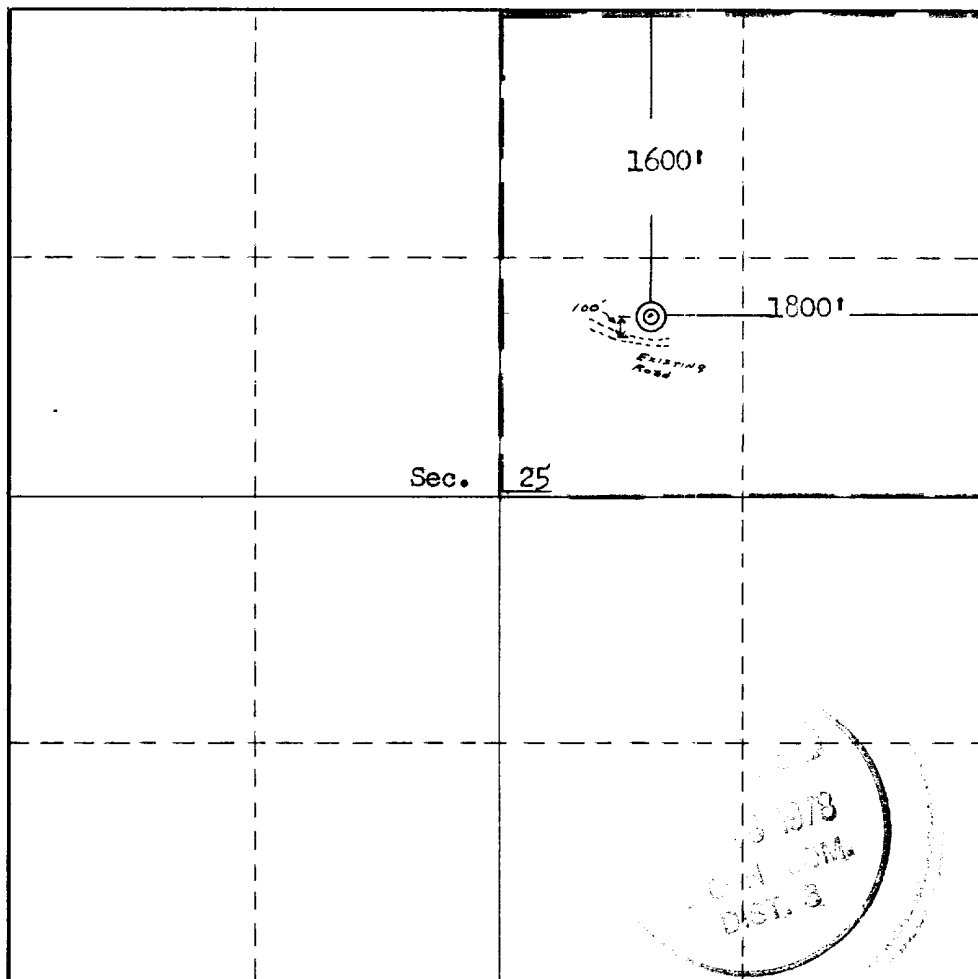
Operator Whigham Associates			Lease		Well No. Odessa #1
Unit Letter G	Section 25	Township 27 North	Range 13 West	County San Juan	
Actual Footage Location of Well:					
1600 feet from the North line and		1800 feet from the East line			
Ground Level Elev. 5915	Producing Formation Pictured Cliffs	Pool WAW	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.



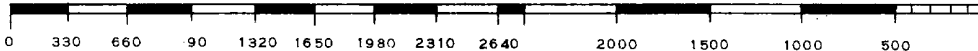
CERTIFICATION

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

Name *R. Speer*
Position *Consulting Geologist*
Company *Whigham Associates*
Date *June 14, 1978*

I hereby certify that the 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
June 7, 1978
Registered Professional Engineer and/or Land Surveyor
Edgar L. Risenhoover
Certificate No. **5979**
Edgar L. Risenhoover, L.S.



WILLIAM R. SPEER

CONSULTING GEOLOGIST

Petroleum Club Plaza Bldg.

Post Office Box 255

Farmington, New Mexico 87401

DEVELOPMENT PLAN FOR SURFACE USE

For proposed Whigham Associates #1 Odessa well located 1600' fr N line, 1300' fr E line, Section 25, Township 27 North, Range 13 West, N.M.P.M., San Juan County, New Mexico

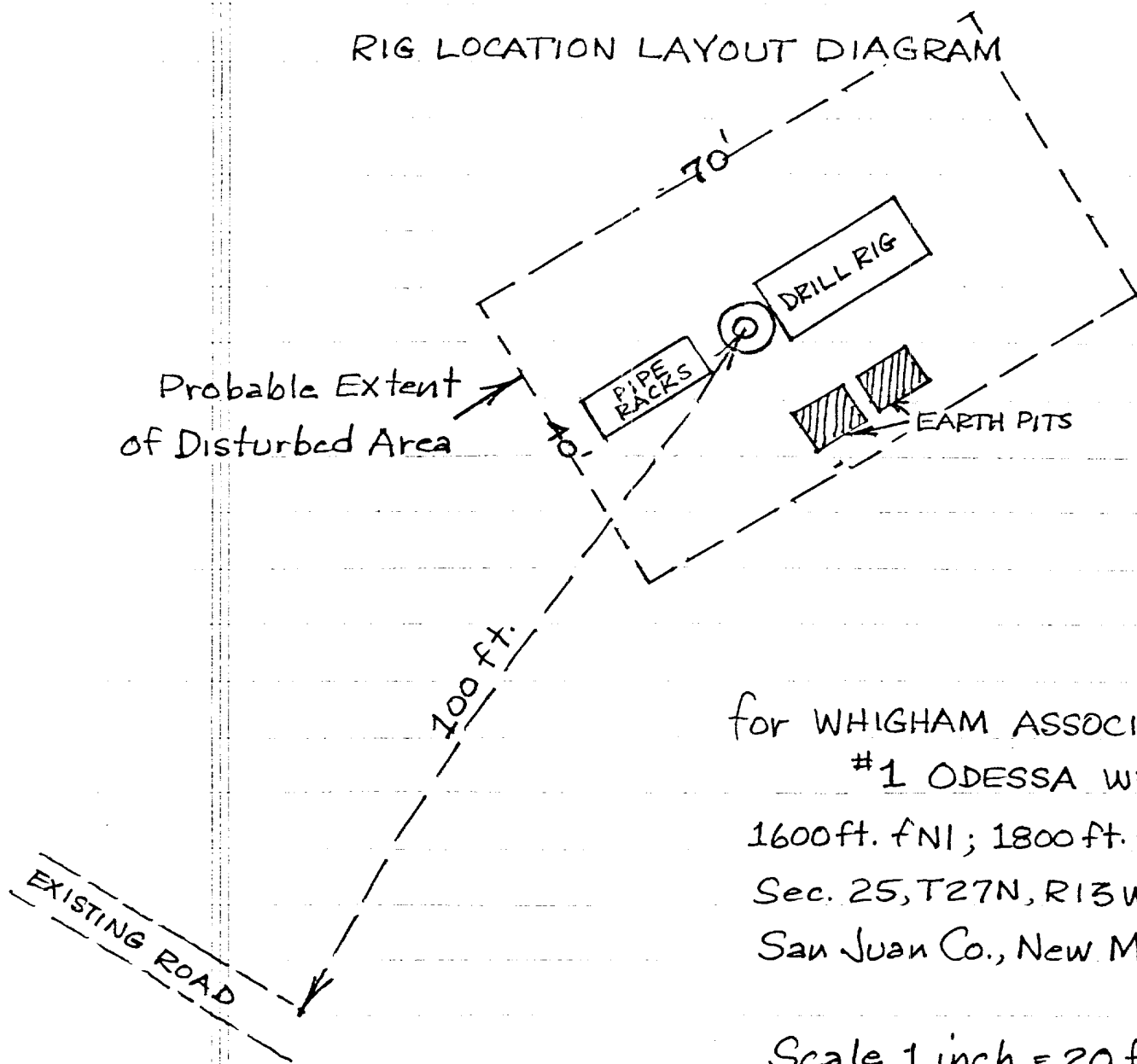
1. The attached topographic map indicates the proposed location of the well as well as the location of existing roads and existing wells in the immediate area.
2. The proposed location is accessible by existing Highway 371, south of Farmington some 15 miles to within 1000 ft. of the location and by an existing secondary road to within 100 ft. of the location, such that no additional road or location construction is contemplated.
3. The attached rig location layout plan indicates the only dirt work anticipated is the digging to two mud reserve pits, approximately 8'X6'X6' in size, immediately adjacent to the hole. Upon completion of the well all waste materials will be placed in these pits and the pits filled to present terrain level.
4. No additional wells are presently planned on this lease. Should the proposed well prove productive, any production or storage facilities will be installed within a 100 ft. radius of the proposed hole, as dictated by the need of a future tie to a presently-existent gas-gathering system, should the well be gas-productive. The gas-gathering system presently extends to a well in the SE/4SE/4 of the section.
5. Water for drilling the well will be obtained from El Paso Natural Gas Company's Chaco Plant facilities and will be hauled by truck to the location.
6. No permanent camp or airstrip facilities are proposed.
7. Upon completion of the drilling operation, the location will be cleaned up, pits filled, location leveled and any disturbed area not utilized for producing well facilities will be re-seeded as required.
8. The lessee and operator's representative is William R. Speer, P.O. Box 255, Farmington, N.M. 87401; telephone 325-7789 or 325-2520.
9. Certification:
I hereby certify that I have inspected the proposed drill-site 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 me, as agent for Whigham Associates, or by their contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

A handwritten signature in cursive script, reading "William R. Speer", written over a horizontal line.

William R. Speer, Consulting Geologist
for Whigham Associates

RIG LOCATION LAYOUT DIAGRAM



for WHIGHAM ASSOCIATES
#1 ODESSA WELL

1600ft. fNI; 1800ft. fEI,
Sec. 25, T27N, R13W, N.M.P.M.
San Juan Co., New Mexico

Scale 1 inch = 20 feet

