

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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  
OKLAHOMA OIL COMPANY

3. ADDRESS OF OPERATOR  
Suite 1120, One Energy Square, Dallas, Texas 75206

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 1120'N & 2300'W  
At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

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 318.33

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
19. PROPOSED DEPTH 6600

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6132

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	24	300	200
7 7/8	5 1/2	15.5	6600	1050

(SEE ATTACHMENTS)

Gas under this lease is ~~not~~ dedicated to a contract.

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 John Alexander TITLE AGENT DATE November 16, 1979  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

NMOCC

30-045-24046

5. LEASE DESIGNATION AND SERIAL NO.  
NM029145

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
FEDERAL

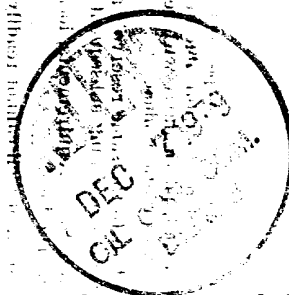
9. WELL NO.  
1E

10. FIELD AND POOL, OR WILDCAT  
BASIN DAKOTA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
19-27N-11W

12. COUNTY OR PARISH  
SAN JUAN

13. STATE  
NEW MEXICO



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

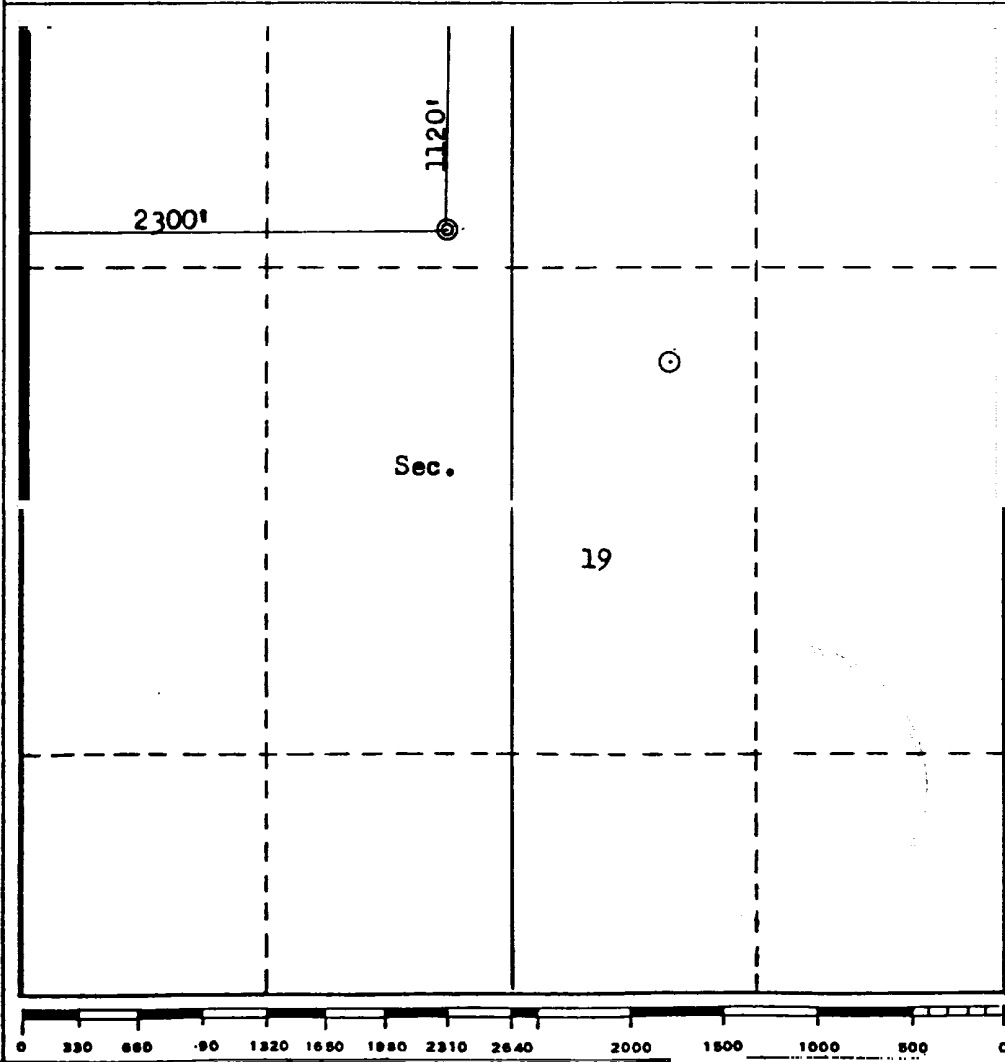
Operator <b>OKLAHOMA OIL COMPANY</b>			Lease <b>FEDERAL WELL</b>		Well No. <b>1-E</b>
Unit Letter <b>C</b>	Section <b>19</b>	Township <b>27N</b>	Range <b>11W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1120</b> feet from the <b>North</b> line and <b>2300</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6132</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>378.33</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.	
Name	<i>John Alexander</i>
Position	<b>JOHN ALEXANDER</b>
Company	<b>AGENT</b>
Date	<b>OKLAHOMA OIL COMPANY</b>
Date Surveyed	<b>November 16, 1979</b>
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	<b>November 16, 1979</b>
Registered Professional Engineer and/or Land Surveyor	<b>Fred H. Z. 2352 Jr.</b>
Certificate No.	<b>3950</b>

OKLAHOMA OIL COMPANY

Formation Information and Drilling Practices

WELL:

Federal 1E

LOCATION:

1120'/N & 2300'/W

Sec.19-27N-11W

San Juan Co., NM

LEASE NUMBER

NM029145

1. Surface Formation

Nacimiento

2. Estimated Formation Tops

Ojo Alamo	630	Gallup	5282
Pictured Cliffs	1732	Greenhorn	6132
Cliff House	2587	Dakota	6262
Point Lookout	4107		

3. Estimated Depth of Anticipated Water, Oil, Gas or Minerals

1732	Gas	6262	Gas
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4. Proposed Casing Program

0-300' ~~10-3/4"~~<sup>8-5/8"</sup> 40.5# K-55 ST&C new casing. Cement w/ 200 sk. class "B" + 2% CaCl<sub>2</sub>

0-6600' 5 1/2" 15.5# ST&C new casing. Cement 1st stage w/ 300 sk 50-50 Pozmix + 2% gel. Cement 2nd stage w/ 100 sk 65-35 Pozmix + 12% gel followed by 400 sk 50-50 Pozmix + 2% gel. Cement 3rd stage w/ 250 sk 65-35 Pozmix +12% gel.

5. Pressure Control Equipment - Blowout Preventer

The attached schematic shows the type of blowout preventer to be used while drilling. The unit will be tested to 800 psi prior to drilling from under surface pipe by pressuring through casing valves with blind ram closed. This procedure will be repeated with the pipe rams closed on a joint of drill pipe. Operation of the hydraulic system will be checked daily.

6. Drilling Fluids

Depth	Type	Vis	WEight	Fluid Loss
0-300	Gel-time	35-45	8.6-9.0	N/L
300-6000	Low-solids	30-40	8.6-11.5	10

7. Auxiliary Equipment

- bit float
- stabbing valve to be used in drill pipe when kelly is not connected
- rotating drilling head

8. Logging - Coring - Testing

Logging: IES, FDC/CNL, Caliper, GR  
Coring: None planned  
Testing: None planned

9. Abnormal temperatures, Pressures or Potential Hazards

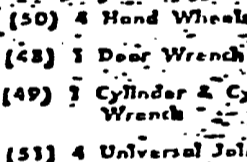
None expected.

10. STARTING DATE

Anticipated starting date is January 1, 1980. Approximately 15 days will be needed to build roads, location and drill to total depth. Completion will commence immediately and require approximately 20 days.

**{Patented}**

## PARTS AND DIMENSIONAL ILLUSTRATIONS



Refer to Fig. 43 and 48

[illegible]

OKLAHOMA OIL COMPANY

Surface Use Plan

WELL:

Federal 1E

LOCATION:

1120'/N & 2300'/W

S.19-27N-11W

San Juan Co., NM

LEASE NUMBER

NM029145

1. Existing Roads (shown in green)

The attached topographic map shows all existing roads within one mile of the proposed location. The access road will join an existing lease road.

2. Planned Access Road

The access road will be approximately 1000' long and 20' wide. No turnouts will be needed. Water bars will be used to aid drainage and prevent erosion. Maximum grade will be about 5%. No fences or cattleguards will be crossed.

3. Location of Existing Wells

All wells (water, oil, gas, disposal and drilling) are shown and so labeled on the topographic map.

4. Location of Tank Batteries, Prod. Facilities, Prod. Gathering & Service Lines

All production facilities are to be contained within the proposed site. Other facilities operated by Okla. Oil Co. are shown on the attached topographic map.

5. Location of Water Supply

Water for drilling will be trucked from Bloomfield, NM approx. 15 miles south of the location. Water is privately owned.

6. Source of Construction Materials

Any construction material required for road or location will be excess material accumulated from building such sites.

7. Methods of Handling Waste Disposal (refer to attached well site layout)

All burnable material will be burned in the trash pit when conditions permit. All nonburnable material (drilling fluids, cuttings, chemicals, etc.) will be held in the reserve pit and buried when dry. Any oil produced while drilling will be trucked from the location prior to leaving the pit to dry. Pits will be fenced during dryout time, then completely backfilled with dirt prior to preparing the location for production or abandonment. Material that cannot otherwise be safely disposed of will be carried to a sanitary land fill.

8. Ancillary Facilities

No ancillary facilities are planned.

9. Well Site Layout

The attached layout shows the drilling rig with all facilities. Cut and fill required is also indicated.

10. Plans for Restoration of Surface

Restoration of well site and access road will begin within 90 days of well completion, weather permitting. Should the well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed and leveled. Both site and road will have topsoil replaced and will be reseeded when germination can occur.

Should the well be commercial, that portion of the location not needed for operation will be repaired as above. The portion needed for daily production operations, and the access road, will be maintained in good repair.

In either case, cleanup of the site will include burning any safely burnable material, filling of all pits, carrying away of all nonburnable material and chemicals that cannot be buried. Any oil that has accumulated on the pits will be trucked away.

11. Other Information

This well is located about 15 miles north of Bloomfield, NM. The area is rugged and covered with sagebrush, yucca, and native grasses. The soil is a sandy clay. Small animals and rodents inhabit the area.

Surface belongs to the Bureau of Indian Affairs. There are no occupied dwellings in the area. No artifacts were noticed.

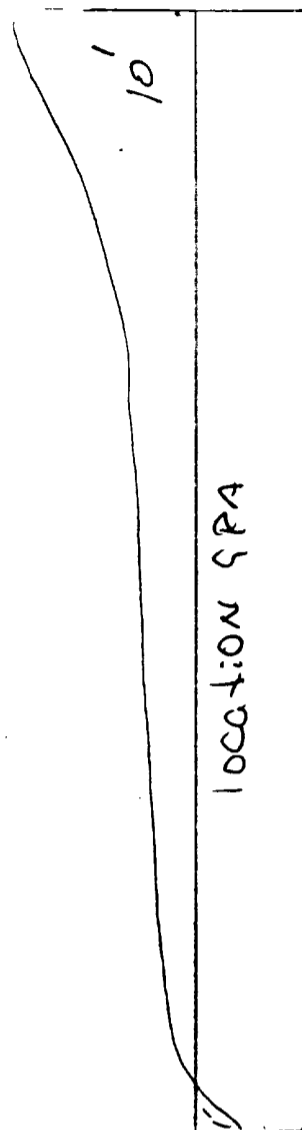
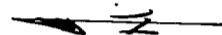
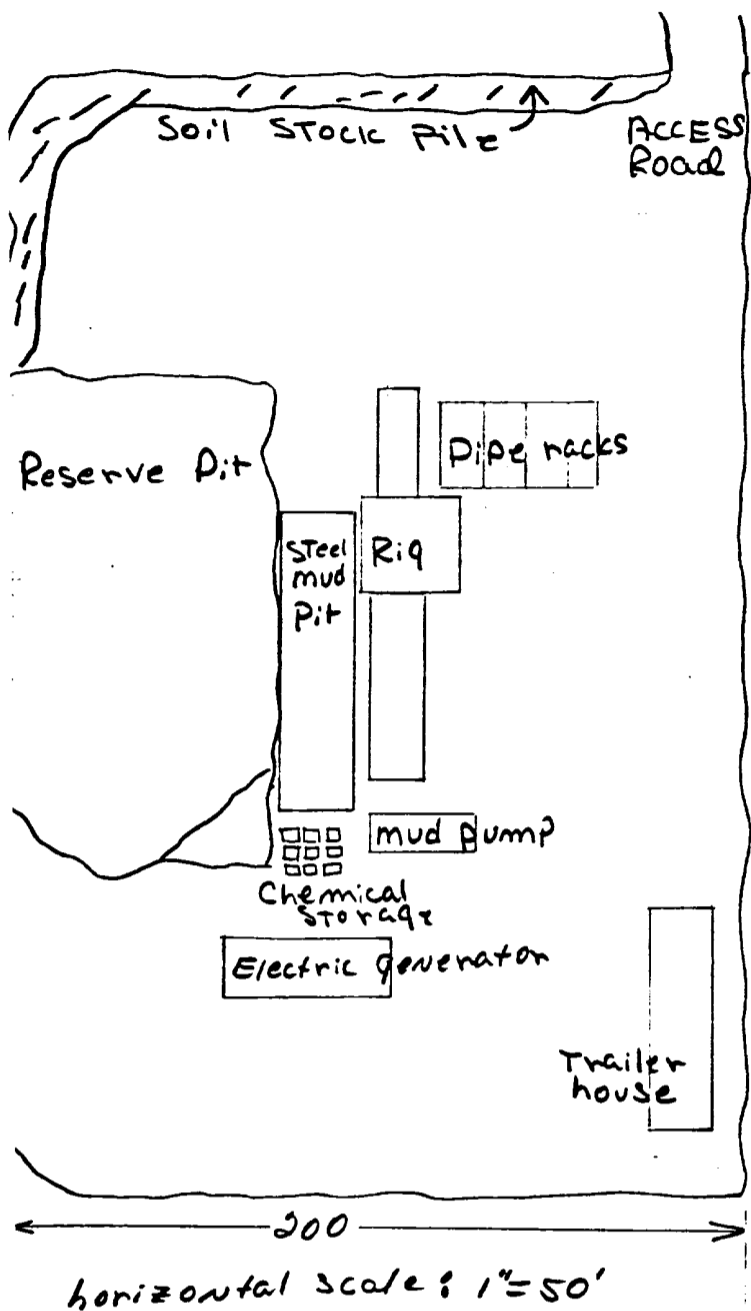
12. John Alexander  
3E Company, Inc.  
P.O. Box 190  
Farmington, NM 87401  
Phone: 505-327-4020

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 the 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 Oklahoma Oil Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

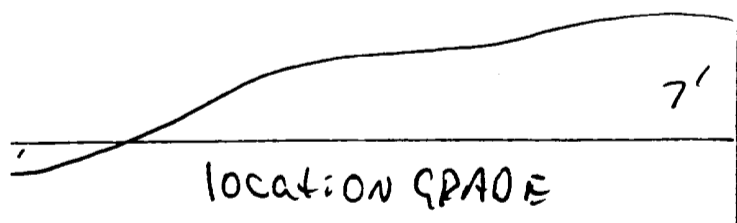
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DATE

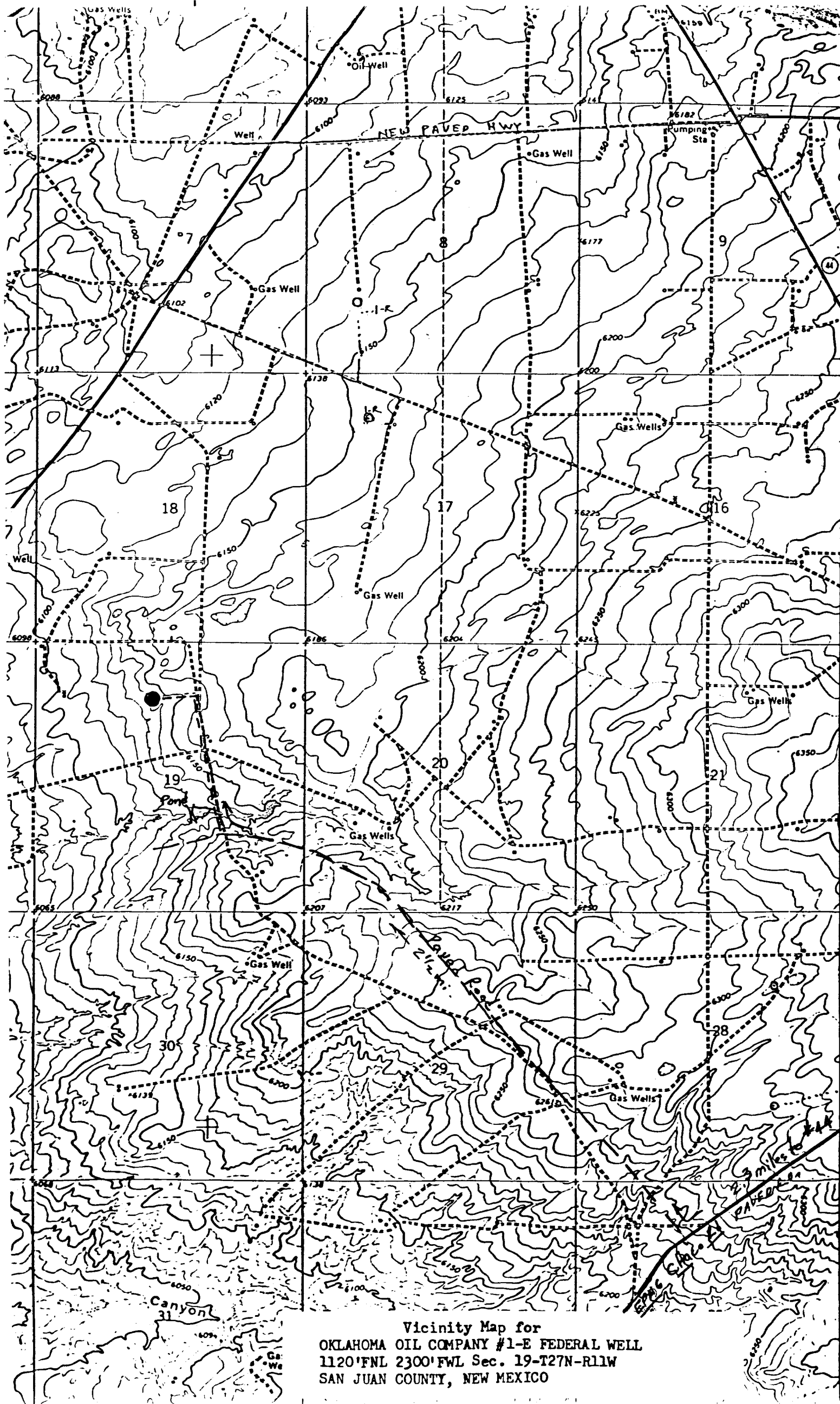
  
JOHN ALEXANDER

JA:cp



Vertical Scale:  
1"=10'





Vicinity Map for  
OKLAHOMA OIL COMPANY #1-E FEDERAL WELL  
1120'FNL 2300'FWL Sec. 19-T27N-R11W  
SAN JUAN COUNTY, NEW MEXICO