Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-045-24076

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [XX] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [XX] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: OKLAHOMA OIL CO.

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: 800'/S & 1470'/E
At proposed prod. zone: SAME

5. LEASE DESIGNATION AND SERIAL NO.: NM024907

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: NICKLES

9. WELL NO.: 1E

10. FIELD AND POOL, OR WILDCAT: BASIN DAKOTA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 11-31N-13W

12. COUNTY OR PARISH: SAN JUAN

13. STATE: NEW MEXICO

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): 592.44

16. NO. OF ACRES IN LEASE: 592.44

17. NO. OF ACRES ASSIGNED TO THIS WELL: ~~320~~ S 317.27

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

19. PROPOSED DEPTH: 6800

20. ROTARY OR CABLE TOOLS: ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5754 GL

22. APPROX. DATE WORK WILL START*:

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 sk
7 7/8	5 1/2	15.5	6800'	1050 sk

(SEE ATTACHMENTS)

Gas under this lease is [redacted] committed to a contract.

DEC 21 1979
OIL CON. COM.
DIST. 3

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 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:

NW4 - 447

NMOCC

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-102
Revised 10-1-78

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

Operator	Lease	Well No.
OKLAHOMA OIL COMPANY	NICKLES	1-E

Unit Letter	Section	Township	Range	County
O	11	31N	13W	San Juan

Actual Footage Location of Well:
800 feet from the South line and 1470 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5754	Dakota	Basin Dakota	~~320~~ 313.27 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

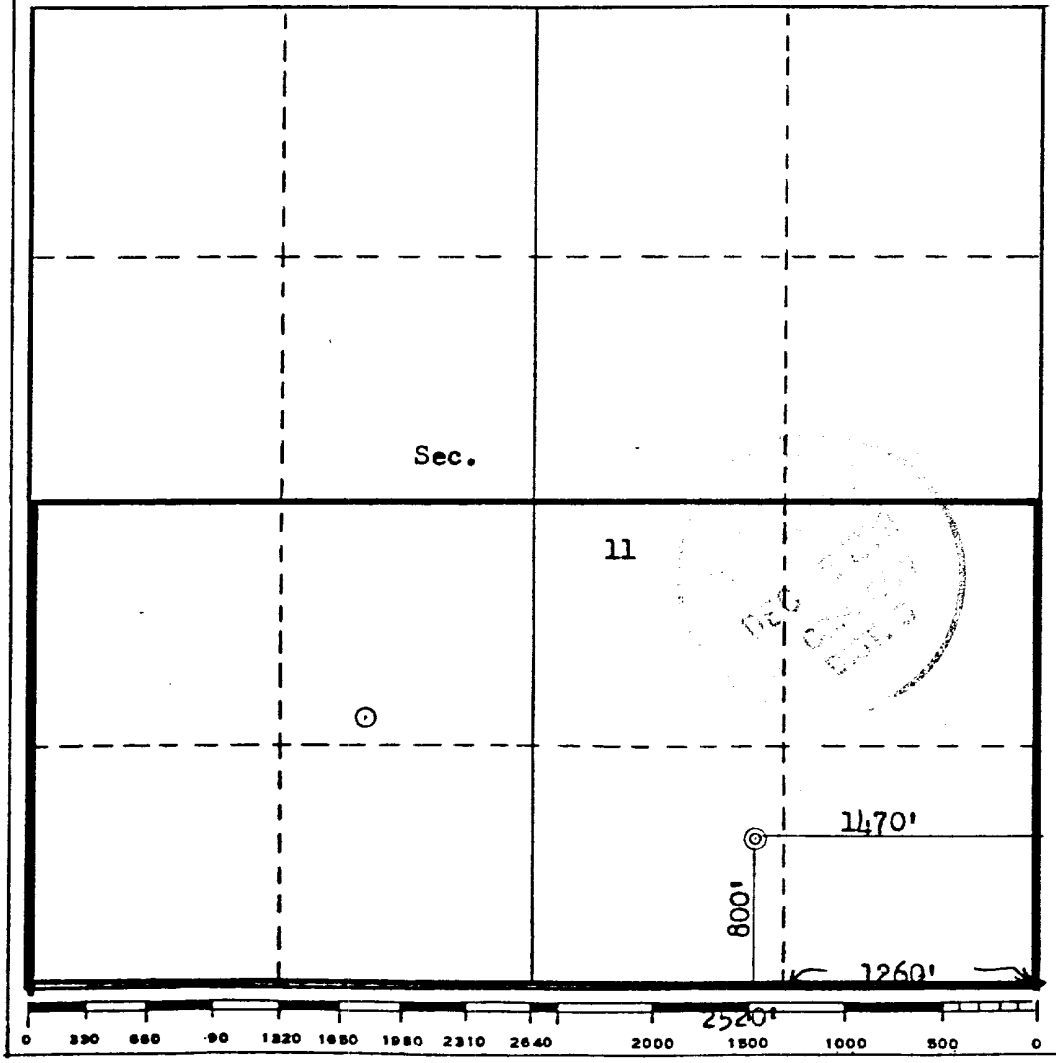
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

John Alexander

Name
JOHN ALEXANDER

Position
AGENT

Company
OKLAHOMA OIL CO.

Date
November 16, 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
November 9, 1979

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

Certificate No.
3950

REGISTERED LAND SURVEYOR
FRED B. KERR JR.
NEW MEXICO

OKLAHOMA OIL COMPANY

Formation Information and Drilling Practices

WELL:
Nickles 1E

LOCATION:
800'/S & 1470'/E
Sec.11-31N-13W
San Juan Co., NM

LEASE NUMBER:
NM024907

1. Surface Formation

Nacimiento

2. Estimated Formation Tops

Ojo Alamo	724	Point Lookout	4353
Pictured Cliffs	2004	Greenhorn	6394
Cliff House	3603	Dakota	6514

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

6514 Gas

4. Proposed Casing Program

0-300' 10 3/4" 40.5# K-55 ST&C new casing. Cement w/ 300 sk class "B" + 2% $CaCl_2$

0-6800' 5½" 15.5# casing, ST&C (new). 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-lime	35-45	8.6-9.0	N/L
0-6800	Low-solids	30-40	8.6-11.5	10

7. Auxiliary Equipment

a. bit float
b. Stabbing valve to be used in drill pipe when the kelly is not connected.
c. 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.

SHAFFER HYDRAULIC BLOWOUT PREVENTERS

(Patented)

TYPE LWS PREVENTERS—8", 3000 Lb. & 5000 lb.—10", 5000 Lb. 12", 3000 Lb.—13⅝", 5000 Lb.—16", 3000 Lb.

PARTS AND DIMENSIONAL ILLUSTRATIONS

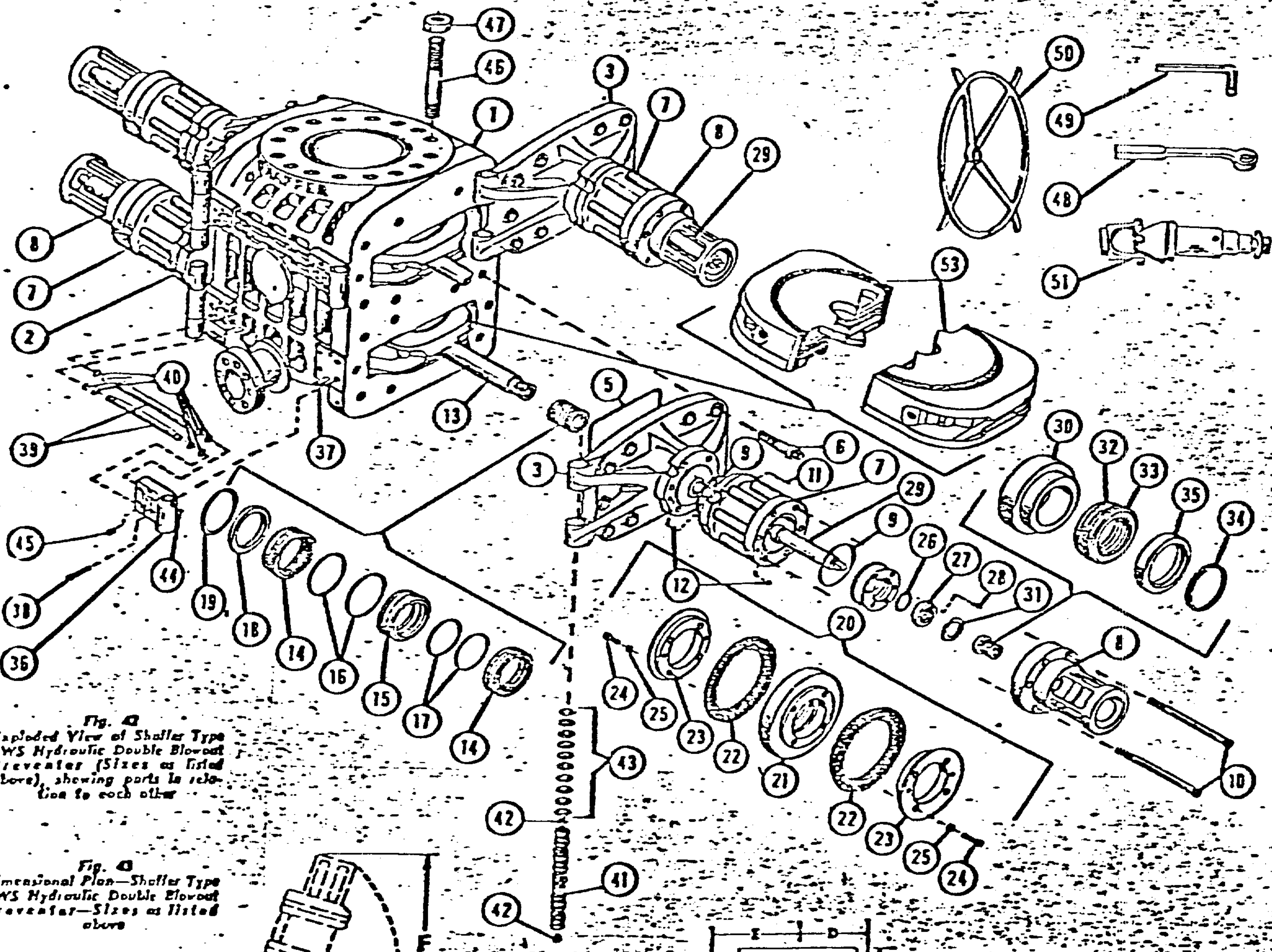


Fig. 42 Exploded View of Shaffer Type LWS Hydraulic Double Blowout Preventer (Sizes as listed above), showing parts in relation to each other

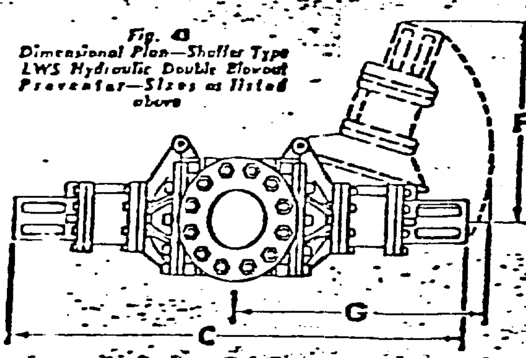


Fig. 43 Dimensional Plan—Shaffer Type LWS Hydraulic Double Blowout Preventer—Sizes as listed above

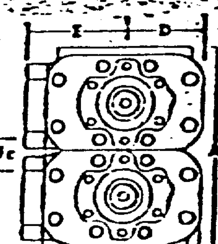


Fig. 44 Dimensional End Elevation—Shaffer Type LWS Hydraulic Double Blowout Preventer—Sizes as listed above

STANDARD ACCESSORIES

- (50) 4 Hand Wheels
- (48) 1 Door Wrench
- (49) 1 Cylinder & Cylinder Head Wrench
- (51) 4 Universal Joints

DIMENSIONAL AND ENGINEERING DATA ON ABOVE SIZES OF TYPE LWS PREVENTERS

Refer to Figs. 43 and 44

Size	Max. Service Press. Rating psi	Test Press. psi	Vertical Bore	Max. Ram Size	Approx. Weight Lbs. Studded Flange: Single	Approx. Weight Lbs. Studded Flange: Double	A Height Single Studded Flange	A Height Single Rolled Flange	A Height Double Studded Flange	A Height Double Rolled Flange	B Width	C Length	D Center To Front	E Center To Rear	F Door Open To Change Rams	G Door Open To Change Rams	Closing Ratio	Opening Ratio	U.S. Gals. Fluid To Close Rams	U.S. Gals. Fluid To Open Rams
8"	3,000	6,000	8"	7"	----	3,900	----	----	25[illegible]"	41[illegible]"	25[illegible]"	75[illegible]"	21[illegible]"	14[illegible]"	22"	46"	8.8 to 1	1.27 to 1	2.75	2.3
8"	5,000	10,000	8"	7"	----	3,500	----	----	25[illegible]"	45[illegible]"	21[illegible]"	75[illegible]"	21[illegible]"	14[illegible]"	22"	46"	8.8 to 1	1.25 to 1	2.75	2.3
10"	5,000	10,000	11"	8[illegible]"	8,000	7,000	24[illegible]"	24[illegible]"	32"	[illegible]	21[illegible]"	[illegible]	22[illegible]"	18"	22"	46"	8.5 to 1	1.5 to 1	2.25	2.7
12"	3,000	6,000	12[illegible]"	10[illegible]"	----	8,200	----	----	34[illegible]"	47[illegible]"	21[illegible]"	[illegible]	23[illegible]"	17[illegible]"	22"	55"	5.52 to 1	1.27 to 1	2.25	2.9
13⅝"	5,000	10,000	13[illegible]"	10[illegible]"	8,500	9,200	34[illegible]"	25[illegible]"	38"	45[illegible]"	22[illegible]"	[illegible]	16[illegible]"	18[illegible]"	42"	54"	5.52 to 1	1.5 to 1	2.25	2.8
16"	3,000	6,000	16[illegible]"	13[illegible]"	----	8,500	----	----	32"	81"	5[illegible]"	10[illegible]"	16[illegible]"	22[illegible]"	32"	63"	5.52 to 1	1.15 to 1	3.8	2.2

OKLAHOMA OIL COMPANY

Surface Use Plan

WELL:
Nickles 1E

LOCATION:
800'/S & 1470'/E
S.11-31N-13W
San Juan Co., NM

LEASE NUMBER
NM024907

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 300' long and 20' wide. No turnouts will be needed. Water bars will be used to aid drainage and prevent erosion. Max. 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 Oklahoma Oil Co. are shown on the attached topographic map.

5. Location of Water Supply

Water for drilling will be trucked from Bloomfield, NM, approximately 14 miles east 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 topscil replaced and well be reseeded when germination can occur.

should the well be commercial, that portion of the location not needed for operation will be repqired 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 1½ miles southeast of LaPlata, NM. The area is rugged and covered with sagebrush, yucca, and Cedar trees. The soil is a sandy clay. Small animals and rodents inhabit the area.

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

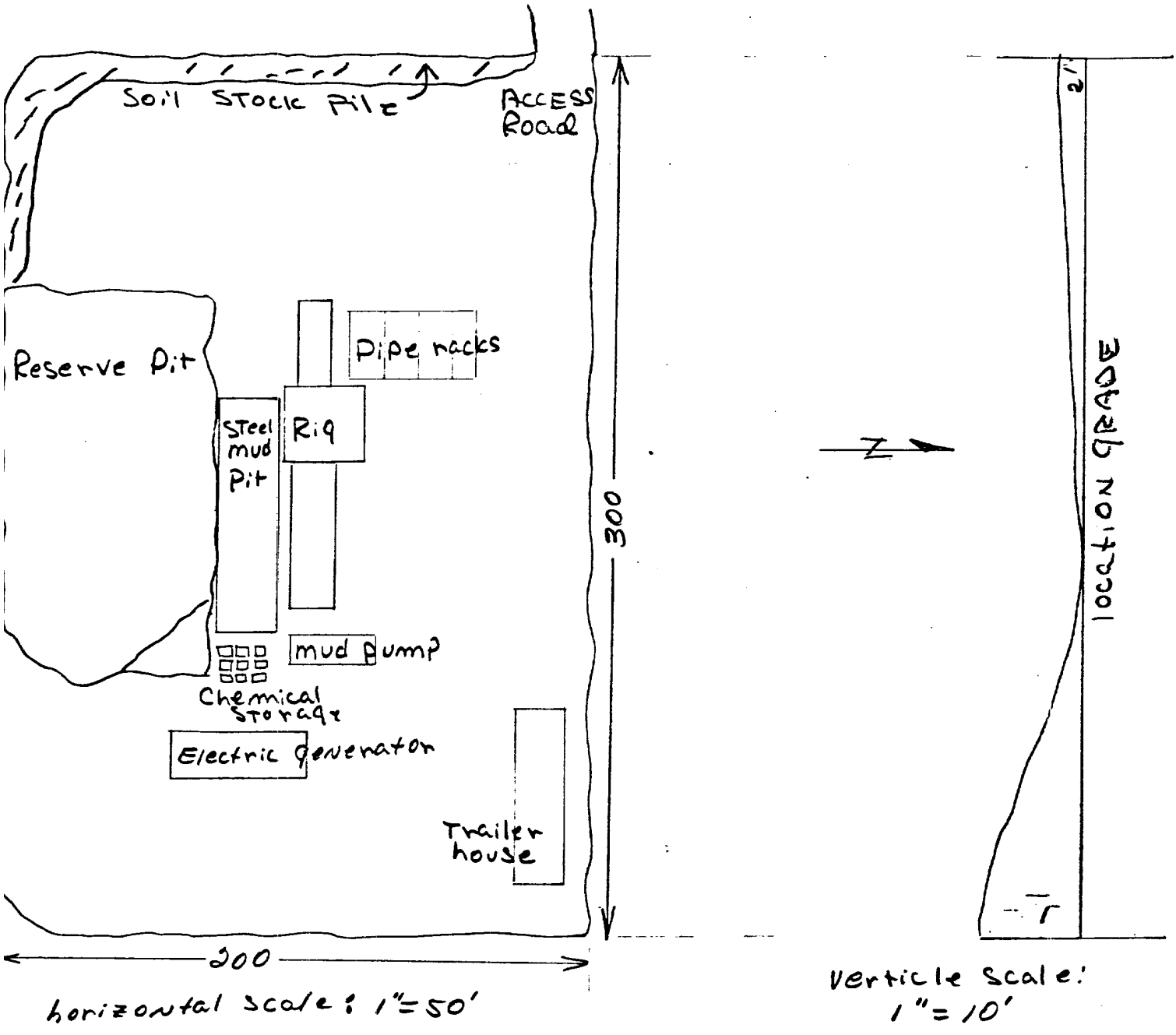
12. John Alexander
3E Company, Inc.
P.O. Box 190
Farmington, NM 87401
Phone: 505-327-4020

13. I hereby certify that I or persons under my direct supervision, have inspected the proposed drill site 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.

11-19-79
DATE

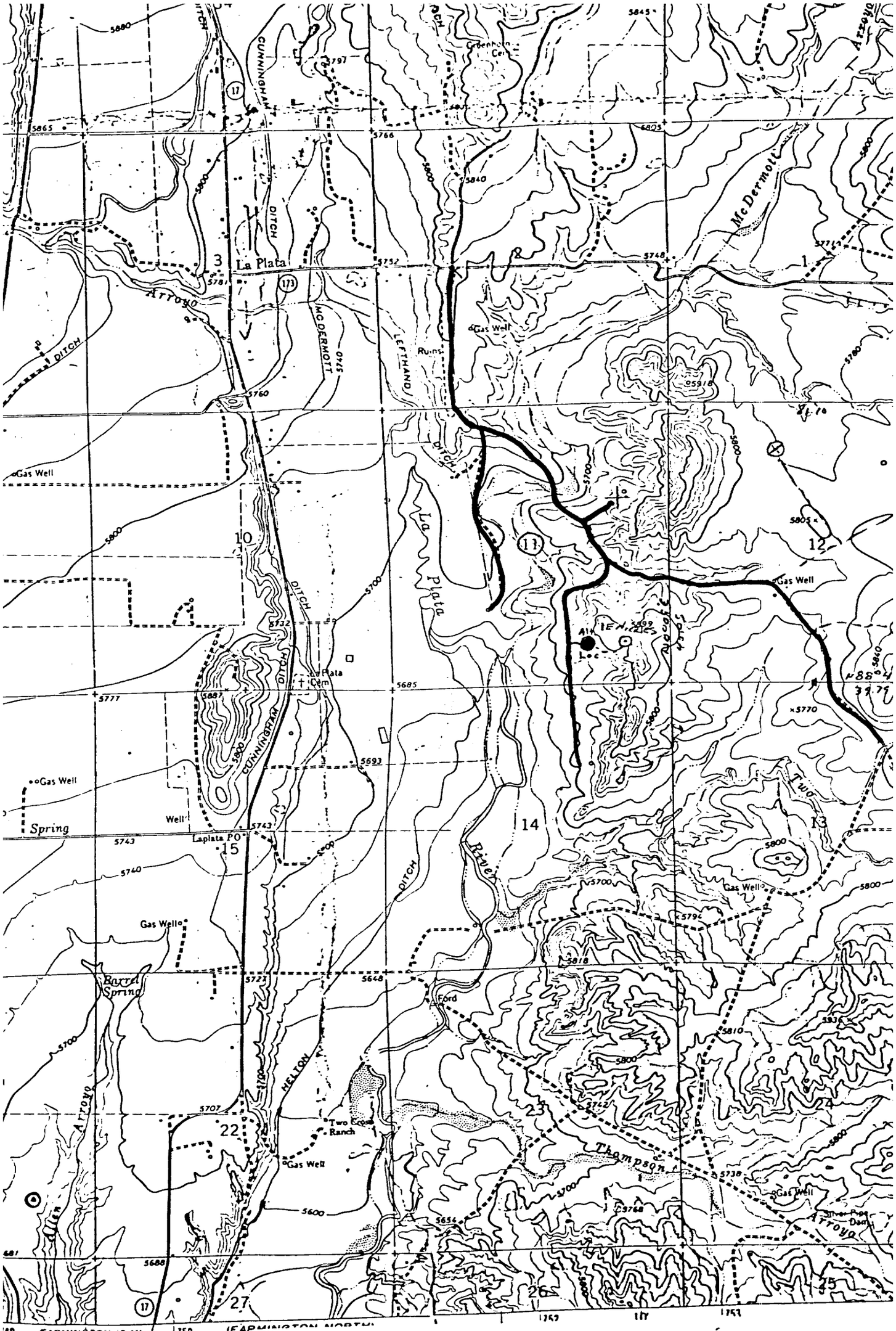
John Alexander
JOHN ALEXANDER

JA:cp



OKLAHOMA Oil Co.
NICKLES 1E
SE/4 11-31N-13W

Location Grade



Vicinity Map for
OKLAHOMA OIL COMPANY #1-E NICKLES
800'FSL 1470'FEL Sec. 11-T31N-R13W
SAN JUAN COUNTY, NEW MEXICO