

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
NM 02691

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Tonkin Federal

9. WELL NO.  
#1-E

10. FIELD AND POOL, OR WILDCAT  
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
H Sec. 23, T27N, R12W

12. COUNTY OR PARISH  
San Juan

13. STATE  
NM

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  
Alex N. Campbell

3. ADDRESS OF OPERATOR  
136 1/2 North Larchmont Blvd, Suite A, Los Angeles, CA

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 1450' FNL & 790' FEL  
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 drig. unit line, if any)  
RECEIVED  
JUL 3 1984

16. NO. OF ACRES IN LEASE  
480

17. NO. OF ACRES ASSIGNED TO THIS WELL  
E 320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
6265'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GL 5976'

22. APPROX. DATE WORK WILL START\*  
ASAP

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA  
PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to administrative appeal pursuant to 30 CFR 290.4

SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8-5/8"	24#/ft.	148 ft <sup>3</sup> circ. to surface
7-7/8"	4 1/2"	10.5#/ft.	1946 ft <sup>3</sup> to cover Kirtland

Will drill 12 1/2" hole to 250' and set 250' of 8-5/8", 24#/ft., J-55 casing and cement with 148 ft<sup>3</sup> Class B w/2% CaCl<sub>2</sub>. Cement will be circulated to surface. Will drill to 6265' and log well. If well appears productive, will run 6265' of 4 1/2", 10.5#/ft. J-55 casing with cement stage collar at 4400'. Will cement long string as follows: 1st stage - 504 ft<sup>3</sup> 50-50 pozmix w/2% gel & 10% salt, 2nd stage - 1442 ft<sup>3</sup> Class B w/2% econofil. Will perforate and stimulate well as required. No abnormal pressures or temperatures are anticipated. Circulation medium will be clear water natural mud, and water loss additives. Blow-out preventer schematic is attached. The gas from this formation is dedicated.

ESTIMATED DEPTHS:

Kirtland	- 484'	Gallup	- 5083'
Pic. Cliffs	- 1521'	Greenhorn	- 5970'
Lewis	- 1696'	Dakota	- 6135'
Mesaverde	- 2414'	T.D.	- 6265'

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.

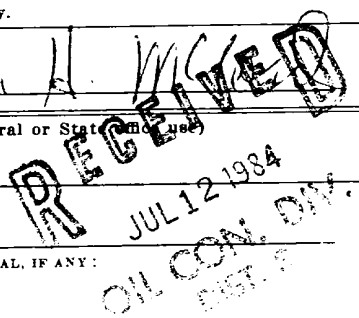
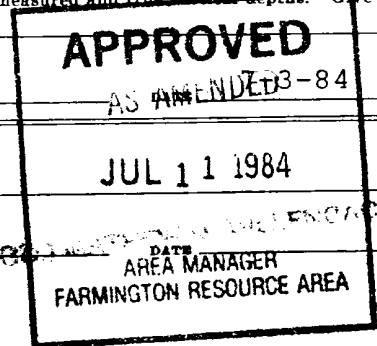
24. SIGNED Kevin A. McGee TITLE Agent

(This space for Federal or State use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



ohs

NMOCC

\*See Instructions On Reverse Side

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

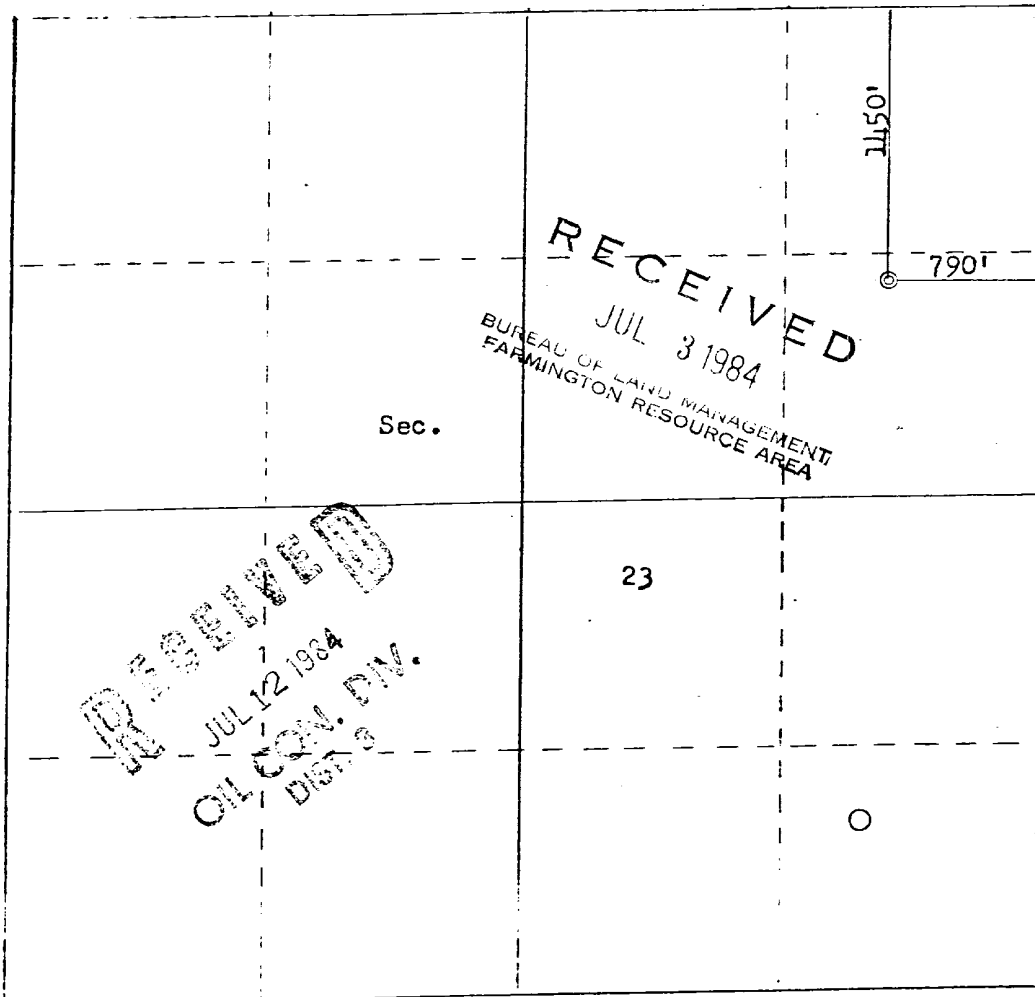
Operator <b>ALEX CAMPBELL</b>		Lease <b>TONKIN-FEDERAL</b>			Well No. <b>1E</b>
Unit Letter <b>H</b>	Section <b>23</b>	Township <b>27N</b>	Range <b>12W</b>	County <b>San Juan</b>	
Actual Footage Location of Well:					
<b>1450</b> feet from the <b>North</b> line and		<b>790</b> feet from the <b>East</b> line			
Ground Level Elev: <b>5976</b>	Producing Formation <b>Dakota</b>	Pool <b>Basin Dakota</b>	Dedicated Acreage <b>320</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.

*Kevin H. McCord*

Name: **Kevin H. McCord**

Position: **Agent**

Company: **Alex Campbell**

Date: **June 26, 1984**

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: **June 22, 1984**

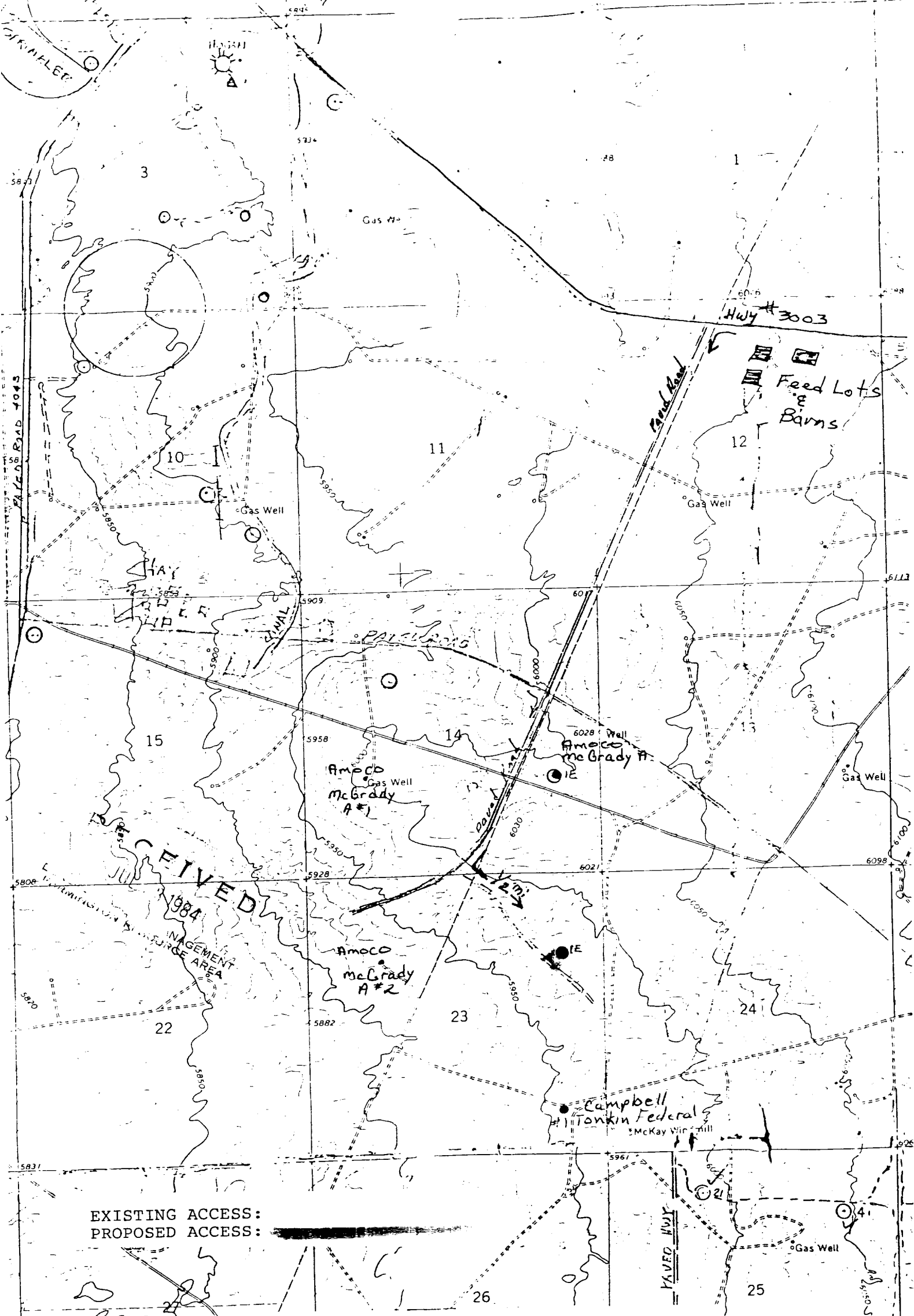
Registered Professional Engineer and Land Surveyor

*Fred. S. Kerr Jr.*

Fred. S. Kerr Jr.

Certificate No. **2050**

Scale: 1"=1000'



EXISTING ACCESS:   
 PROPOSED ACCESS:

Vicinity Map for  
 ALEX CAMPBELL #1E TONKIN-FEDERAL  
 11450'FNL 790'FEL Sec. 23-T27N-R12W  
 SAN JUAN COUNTY, NEW MEXICO