

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 ☐		5. LEASE DESIGNATION NM 15892
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Blair Exploration, Inc. & Tom Letcalfe		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR c/o Meyer & Associates-P.O. Box 7764, Midland, TX. 79703		8. FARM OR LEASE NAME Hudson Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FSL & 660' FSL Sec 7; T-7-S; R-31-E; N-1-P At proposed prod. zone same		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 11 miles Southwest of Panna, New Mexico		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660 feet		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 7; T-7-S; R-31-E
16. NO. OF ACRES IN LEASE 160		12. COUNTY OR PARISH Chaves
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE New Mex.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None		19. PROPOSED DEPTH 4000
20. ROTARY OR CABLE TOOLS Rotary		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4322.2 GR
22. APPROX. DATE WORK WILL START* March 21, 1977		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24	400	400 sks.
7 7/8"	4 1/2"	10.5	4000	300 sks.

PROPOSED PROGRAM

Drill 11" hole to 400 feet.
Run 8 5/8" casing to 400 feet and cement with 400 sks. cement.
Will be circulated.
WOC 18 hours; Test casing to 600 psi for 20 minutes.
Drill 7 7/8" hole to 4000 feet to test San Andres.
Hole will be cored from 3700 to 3850 feet.
If San Andres zone is productive 4 1/2" casing will be run and cemented at approximately 4000 feet.
A series 900 blowout preventer will be used during drilling operations.

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 [Signature] TITLE Agent DATE 2-18-77
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED
Verbal 3-17-77
MAR 24 1977
R. L. BECKMAN
ACTING DISTRICT ENGINEER

TITLE _____
DATE _____
THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES JUN 24 1977
See Instructions On Reverse Side

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U.S. GEOLOGICAL SURVEY
ARTESIAN, NEW MEXICO

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, state, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-781-025/VIII-239

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MAR 26 1977

OIL CONSERVATION COMM.
HOUSTON, TEXAS

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 BLAIR EXPLORATION, INC. & TOM METCALFE			Lease Hudson-Federal		Well No. 1
Plot Letter P	Section 7	Township 7 South	Range 31 East	County Chaves	
Actual Footage Location of Well: 660 feet from the south line and 660 feet from the east line					
Ground Level Elev. 4322.2	Producing Formation San Andres		Pool Wildcat	Dedicated Acreage 40	

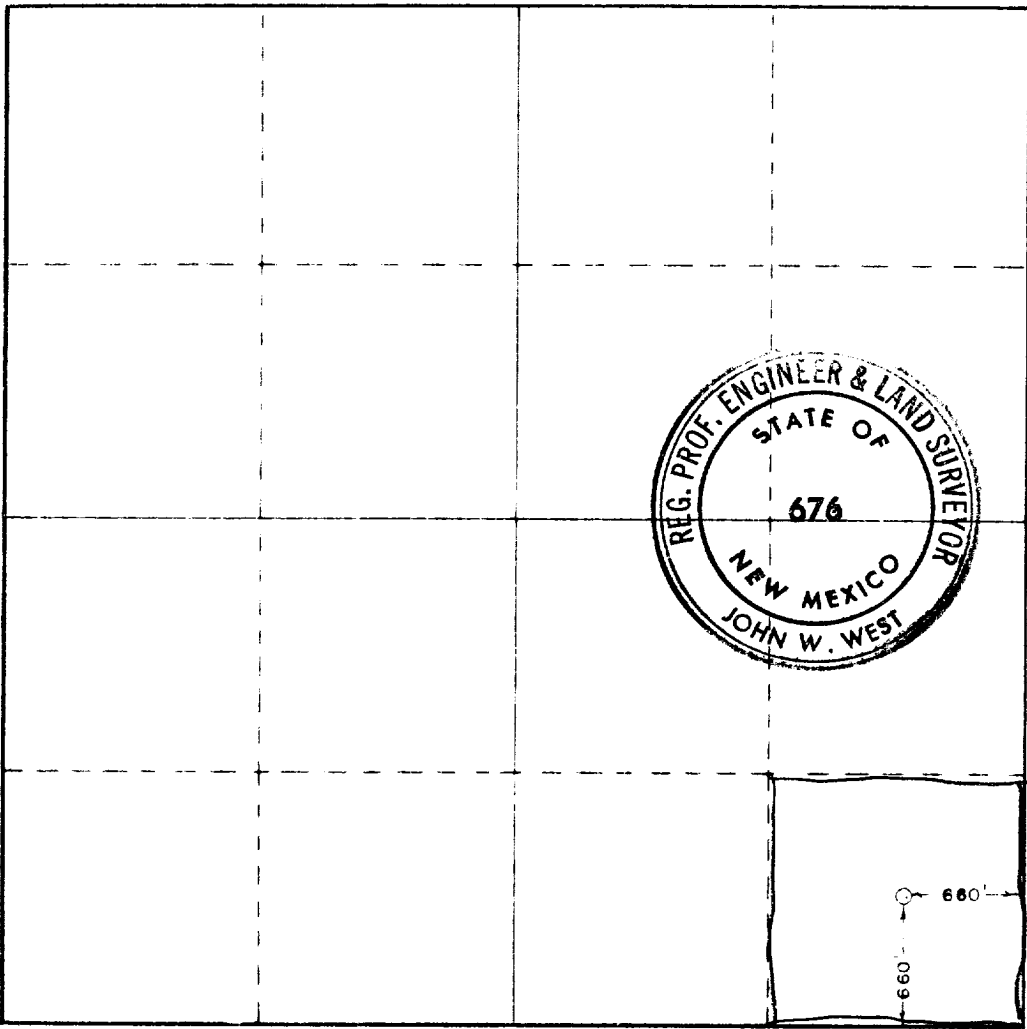
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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.

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ARTESIA, NEW MEXICO



CERTIFICATION

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

[Signature]
Name
W. Hugh Meyer

Position
Agent

Company **Blair Exploration, Inc. & Tom Metcalfe**

Date
2-18-77

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

Feb. 12, 1977

Registered Professional Engineer and/or Land Surveyor

[Signature]
Certificate No.

676

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ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

SURFACE USE PLAN

Blair Exploration, Inc. & Tom Metcalfe
Hudson Federal Well No. 1
660 FSL & 660 FEL Sec 7; T-7-S; R-31-E
Lease NM 15892 Chaves Co., New Mexico
(Exploratory Well)

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1. EXISTING ROADS

Detailed map showing drill site location in relation to a town or known point and all existing roads within three miles of well site are shown on Exhibits "A" and "B". From Kenna (on U.S. 70) go South and West on maintained county road approximately 11.4 miles to a cattleguard on the North side of the road. Turn through cattleguard on improved caliche road approximately 7/8 mile North. From this point 4800 feet of new road is planned due East to proposed well location.

2. PLANNED ROADS

Refer to Exhibit "C" for map of proposed roads. Plan to construct 4800 feet of new 12 feet wide road with 3-12 feet passing turnouts, all to be topped with 6" of caliche. No culverts or special drainage features are necessary in this area. New road is coded Red on Exhibit "C". Colored Blue is existing caliche lease road recently improved Cleary Petroleum from county road North to Boundary line of Sec. 7 and Sec 18. Road continues in unimproved state North to North West/4 of Sec. 7. Plan to construct new West to East road 590 feet North of Sec 7/18 Boundary as there is no existing section line road. Also in the event another well is drilled to the West no additional road would be necessary saving the existing flora and fauna.

3. LOCATION OF EXISTING WELLS

There is one newly completed San Andres Well (Cleary Federal 15 SW/4 of SW/4 of Sec. 15. Approximately 4 miles West and 1 mile South of proposed location. There are dry holes in the NW/4 and SW/4 of Sec. 7; 1 dry hole in NE/4 of Sec. 12 and one dry hole in SW/4 Sec. 6 as shown on Exhibit "B".

4. TANK BATTERIES, PRODUCTION FACILITIES & LEASE PIPELINES

There are no tank batteries, production facilities or lease pipelines on the lease. If well is commercial, tank battery and production facilities will be located at the South edge of well pad and fenced. All lease pipe lines will be constructed on well site pad above ground.

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U.S. CONSERVATION SERVICE
WASH. D.C.

SURFACE USE PLAN

Blair Exploration, Inc. & Tom Metcalfe
Hudson Federal Well No. 1

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5. WATER SUPPLY

Water for drilling and completion will be trucked from nearest available commercial source over existing and proposed roads as shown in Exhibit "A".

6. ROAD AND PAD CONSTRUCTION MATERIAL

Caliche for road and well site pad will be obtained from an existing pit in the SE/4 of SE/4 of Sec. 13; T-7-S R30E and purchased from Dillard Nuckols of Elida, New Mexico. Pit is approximately one mile South West of proposed well site. Refer to Exhibit "A" for location of pit and route of haul over existing roads to new road and drill site.

7. WASTE DISPOSAL

Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. See Exhibit "D" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be collected in tanks until hauled to an approved disposal system. No waste water pits will be constructed without prior approval from U.S.G.S.

8. ANCILLARY FACILITIES

No camps, airstrips, etc. will be constructed.

9. WELLSITE LAYOUT

Refer to Exhibit "D" for direction orientation access.

- a. MAT SIZE - 210' X 140'
- b. CUT AND FILL - Location is nearly level. Approximately 3' cut on West side and 3' fill on East side will be required.
- c. SURFACE - Will be topped with 6" caliche, bladed, watered and compacted.
- d. RESERVE PIT - 100' X 50' pit, lined with plastic, joining mat on North.
- e. DRILLSITE-LAYOUT - Exhibit "D" shows position of mat, reserve pits, burn pits, trash pits, and mud pits in relation to well. Rig will be erected with V-Door to East.

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OIL CONSERVATION COMM.
HOSES, E. L.

SURFACE USE PLAN

Blair Exploration, Inc. & Tom Metcalfe

Hudson Federal Well No. 1

Page 3

10. RESTORATION OF SURFACE

If well is productive, pits will be back filled and leveled as soon as practical. All plastic lining and other waste material will be removed, or buried with at least 24" of cover. At the time of abandonment, other U.S.G.S. and B.L.M. restoration stipulations will be complied with.

11. OTHER INFORMATION

- a. TOPOGRAPHY - Land surface is undulating to gently rolling and dunny. From an elevation of 4322 feet at wellsite, the land slopes gently to the West at about 20 feet per mile.
- b. SOIL - Soil is a deep fine sand underlain by caliche.
- c. FLORA AND FAUNA - The vegetation cover is generally sparse and consists of mesquite, Yucca, shinnery oak, sandsage, and perennial native range grasses.
- d. PONDS AND STREAMS - There are no ponds or streams in the area.
- e. RESIDENCES AND BUILDINGS - There are no residences or buildings within two miles of wellsite.
- f. WINDMILLS - There are no windmills within $\frac{1}{2}$ mile of the wellsite.
- g. SURFACE USE - Grazing and hunting in season.
- h. SURFACE OWNERSHIP - The proposed wellsite and new road are on federal lands with a grazing permit issued by B.L.M. to Nova D. Bilberry, Box 32, Elida, New Mexico.

12. OPERATOR'S REPRESENTATIVE

Hugh Meyer
508 C & K Petroleum Building
Midland, Texas
Office Phone: 915-682-3751
Home Phone: 915-694-6233

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OIL CONSERVATION COMB.
HOES, R. L.

SURFACE USE PLAN

Blair Exploration, Inc. & Tom Metcalfe

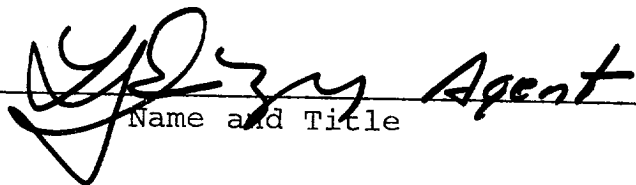
Hudson Federal Well No. 1

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13. CERTIFICATION

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 Blair Exploration, Inc. & Tom Metcalfe, Operator, and its contractors and sub contractors in conformity with this plan and the terms and conditions under which it is approved.

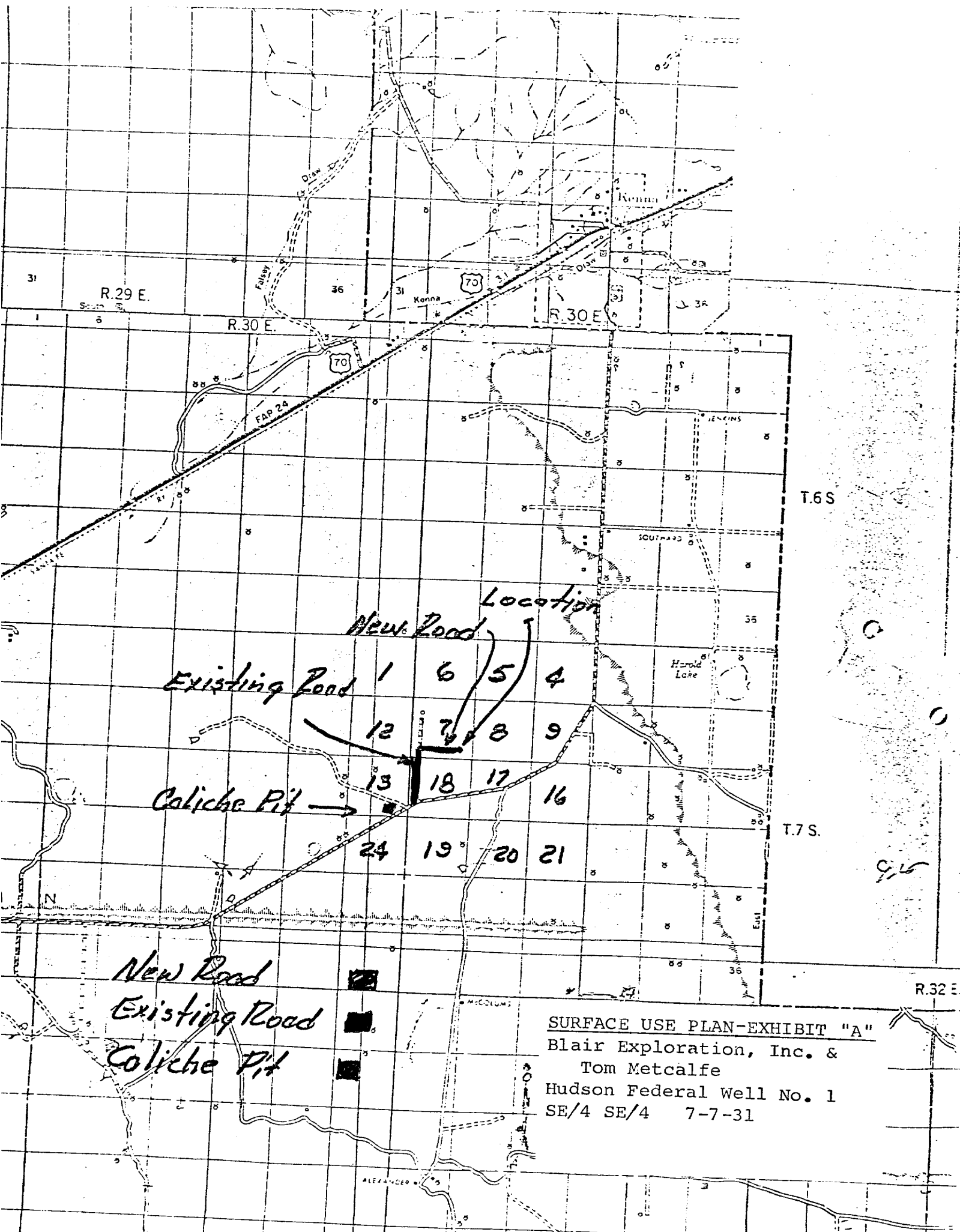
2-18-77
Date

 Agent
Name and Title

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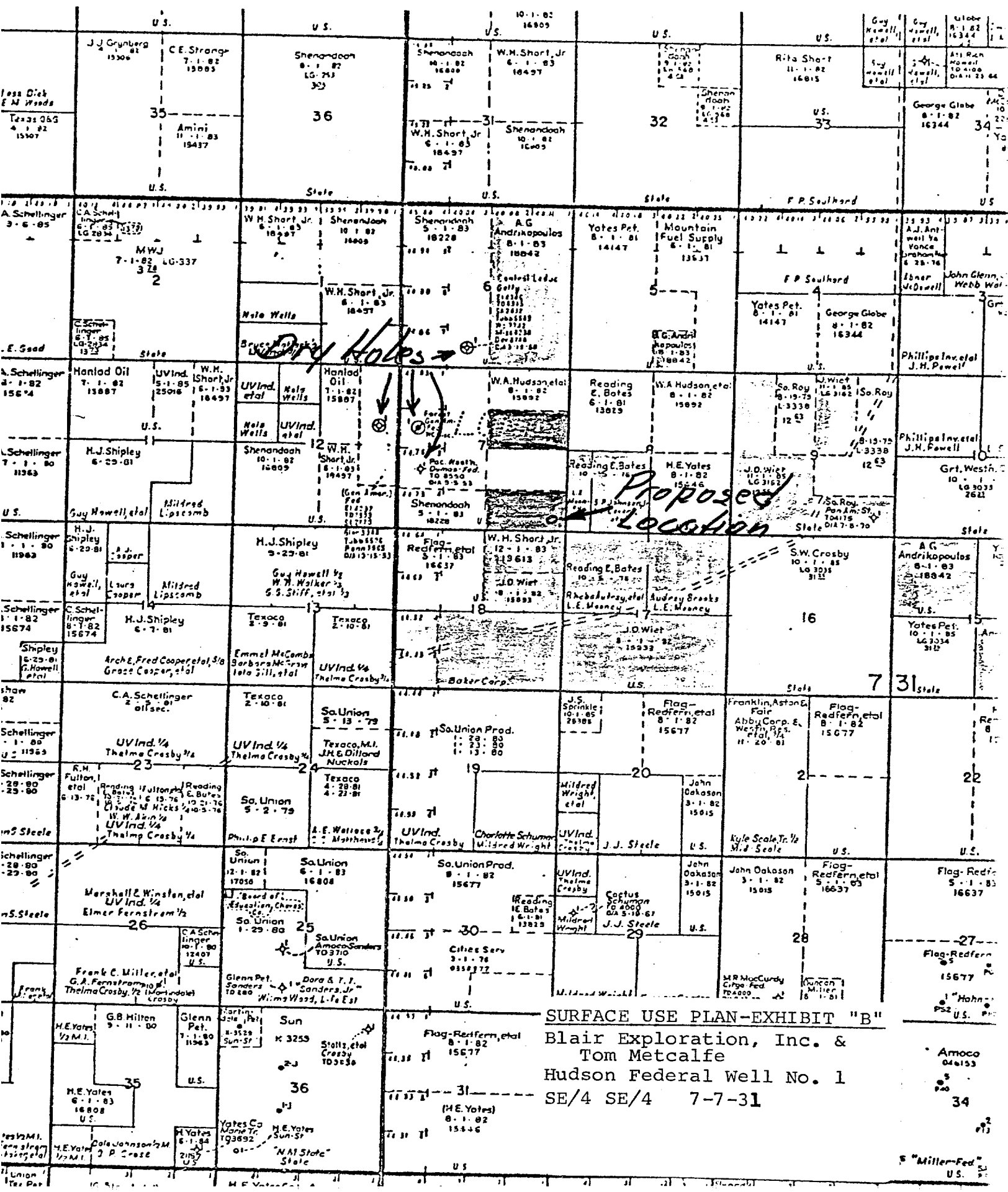
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HOBBS, N. M.



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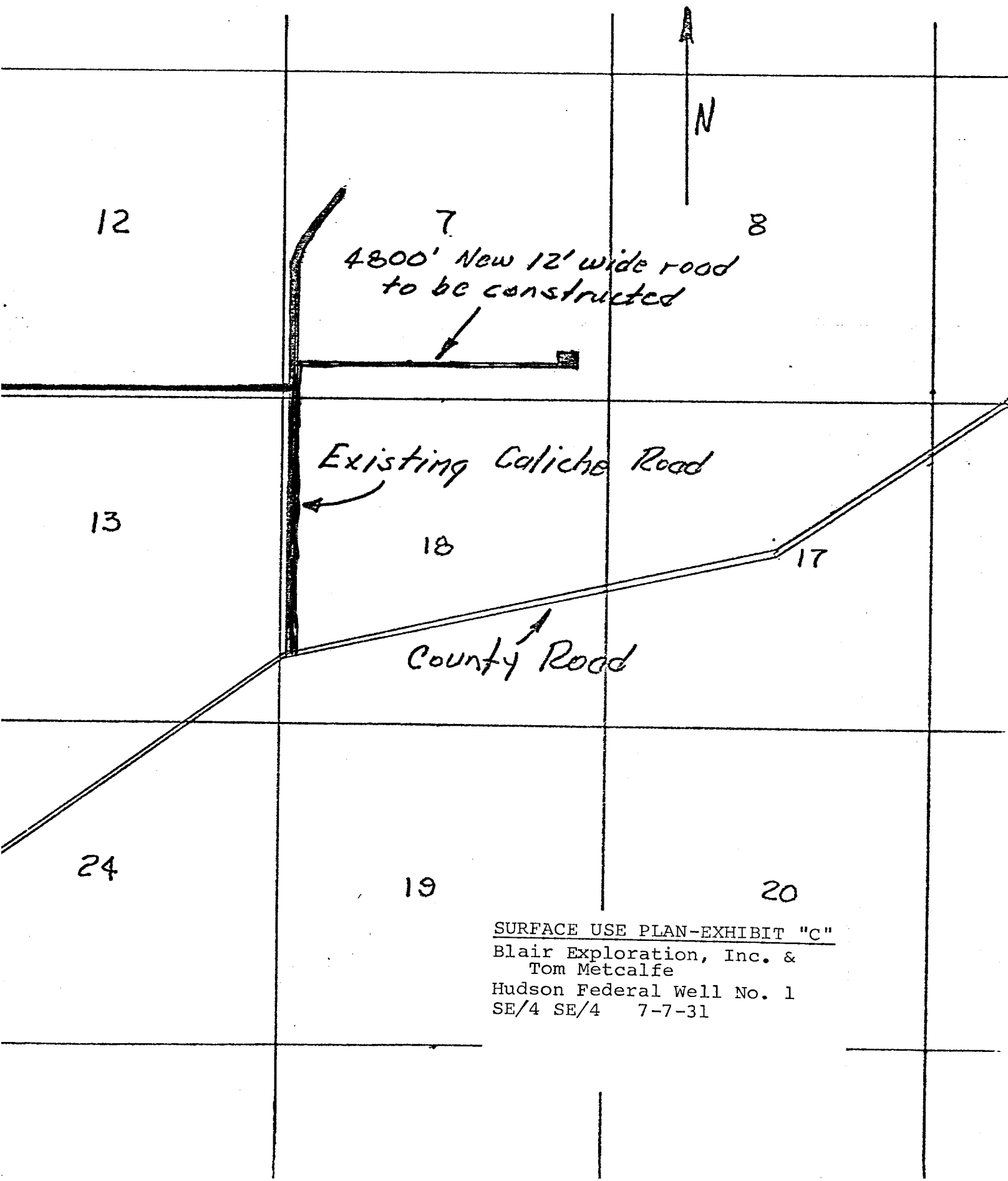
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HOEBS, R. M.



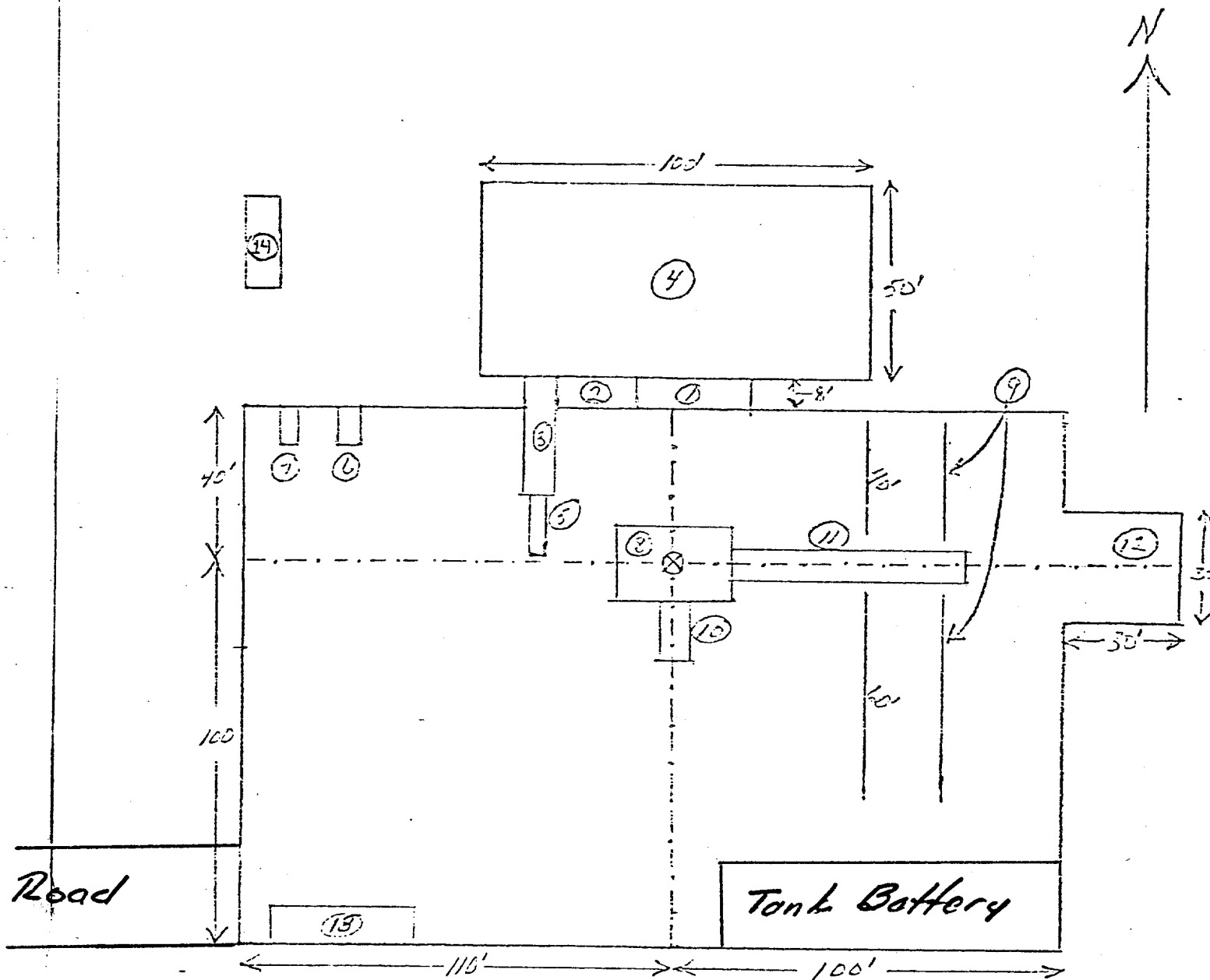
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SURFACE USE PLAN-EXHIBIT "D"

Blair Exploration, Inc. &
Tom Metcalfe
Hudson Federal Well No. 1
SE/4 SE/4 7-7-31



- ① Shale Pit 30' x 8'
- ② Mud Pit 20' x 8'
- ③ Suction Pit 30' x 8'
- ④ Reserve Pit 100' x 50'
- ⑤ Pump
- ⑥ Water Tank

- ⑦ Fuel Tank
- ⑧ Rig
- ⑨ Pipe Racks
- ⑩ Dog House
- ⑪ Cat Walk 60'
- ⑫ Stinger
- ⑬ Trailer
- ⑭ Burn Pit

Schaeffer Type E 10" Series 900 Hydraulic BOP.

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O.C.C.
ARTESIA, OFFICE

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