

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL RE-ENTER DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 WALTER W. KRUG dba WALLEN PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
 P. O. BOX 1960, MIDLAND, TEXAS 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 330' FSL AND 990' FWL OF SECTION 21
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 25 MILES WEST-NORTHWEST OF EUNICE, NEW MEXICO

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 330'

16. NO. OF ACRES IN LEASE
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

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

19. PROPOSED DEPTH
 3650'

20. ROTARY OR CABLE TOOLS
 CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3672 GR

22. APPROX. DATE WORK WILL START*
 UPON APPROVAL

5. LEASE DESIGNATION AND SERIAL NO.
 LC 070315
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 WALLEN BASS
 9. WELL NO.
 1
 10. FIELD AND POOL, OR WILDCAT
 MIDDLE LYNCH YATES-7 RIVERS
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC. 21, T. 20 S., R. 34 E.
 12. COUNTY OR PARISH
 LEA
 13. STATE
 NEW MEXICO

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15-1/2"	13-3/8"	72#	225'	300 sacks - CIRCULATE
12-1/2"	10-3/4"	48#	750'	Mudded in
10"	8-5/8"	32#	1200'	Mudded in
8"	7"	23#	3300'	1000 sacks - CIRCULATE
6-1/4"	4-1/2" Liner	10.5#	3650'	50 sacks - CIRCULATE

Above 13-3/8" casing was set and cemented to surface when hole was originally drilled.

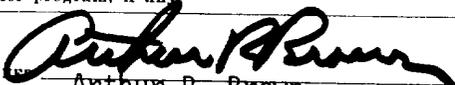
This well was originally drilled by Wallen Production Company during the period 8-24-78 to 10-4-78 to a total depth of 3550' and plugged and abandoned 10-7-78. Plans are to re-enter and deepen approximately 100' to attempt completion as an oil well. Same road, pad and pit area used for original well will be used so there will be no new surface disturbed.

Well is in OCD's R-111-A area. Noranda Exploration, the only potash lessee in the area has previously waived objection to the well.

Gamma Ray Neutron log was run when this well was originally drilled.

RECEIVED
 MAY 19 1980
 U. S. GEOLOGICAL SURVEY
 HOBBS, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and intended 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.  Agent for
 SIGNATURE: Arthur R. Brown TITLE: Wallen Production Company DATE: May 15, 1980

PERMIT NO. _____ APPROVAL DATE _____

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

APPROVED
 MAY 30 1980

 ACTING DISTRICT ENGINEER

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-101
Supersedes C-128
Effective 10-65

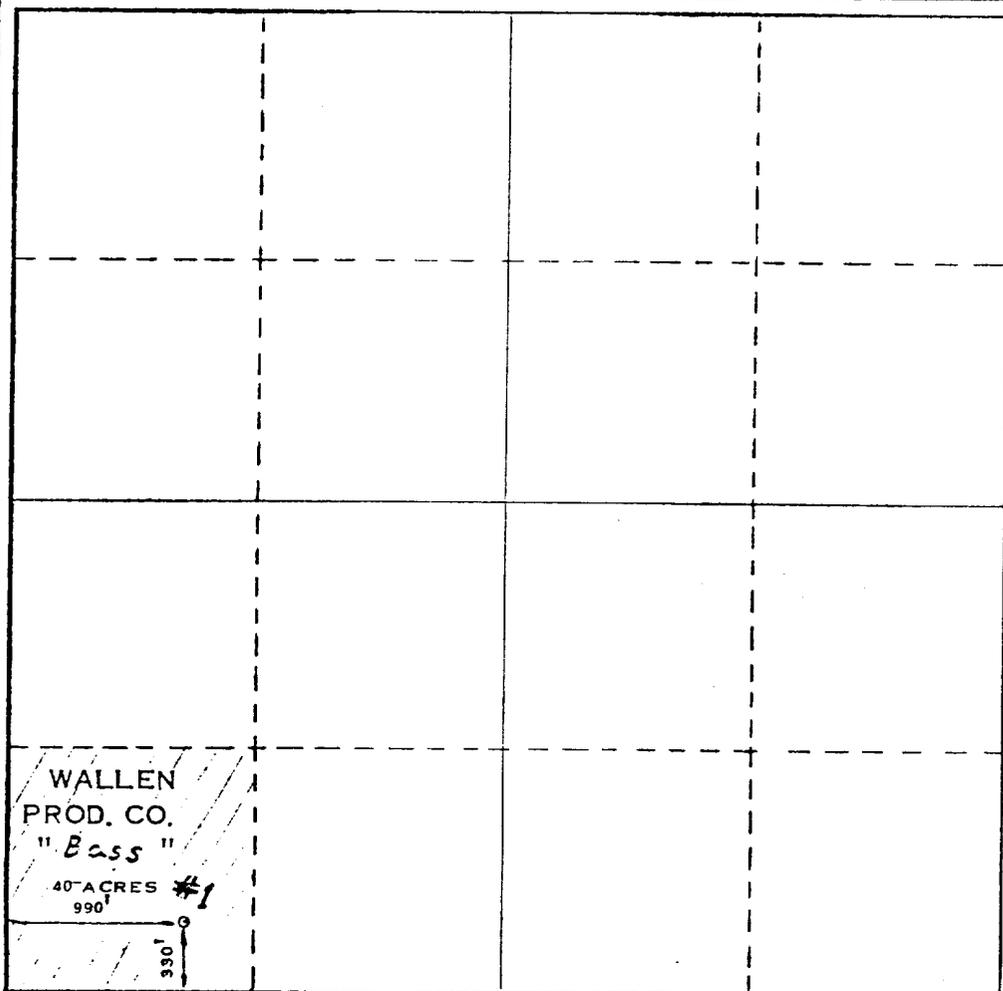
All distances must be from the outer boundaries of the Section.

Operator WALLEN PRODUCTION CO.		Lease Bass		Well No. #1
Unit Letter "M"	Section 21	Township -20-S	Range -34-E	County LEA
Actual Footage Location of Well: 330 feet from the SOUTH line and 990 feet from the WEST line				
Ground Level Elev. 3672	Producing Formation YATES & SEVEN RIVERS	Pool MIDDLE LYNCH - YATES SEVEN RIVERS	Dedicated Acreage: 40 Acres	

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

Halter J. King
Name

Engineer

Hallen Prod Co.
Company

Date *5/1/80*

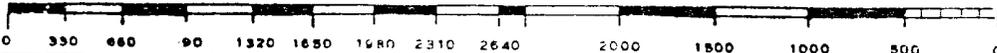
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
MARCH 7, 1978

Registered Professional Engineer and Land Surveyor
Max A. Schumann Jr.
MAX A. SCHUMANN, JR.

Certificate No.

1510



REQUIREMENTS OF N T L -6

1. Geologic name of the surface where the Bass #1 is located is the Quarternary (Alluvium and sand).
2. The estimated tops of the geologic markers are:
 - A. Rustler (Anhydrite) = 1350'
 - B. Top Salt = 1473'
 - C. Base of Salt = 3155'
 - D. Lime = 3182'
 - E. Yates = 3450'
 - F. Reef (Seven Rivers) = 3675'
3.
 - a. Surface Water = 195'
 - b. Santa Rosa Water = 835'
 - c. Yates Sand Oil = 3450'
 - d. Seven River Reef Oil = 3675'
4. Control equipment is a 1500# W.P. control head with double oil saver (if needed) (this will be a cabletool rig).
5. Drilling fluid is fresh water.
6. Logging program: Gamma Ray-Neutron with CCL. was run when well was originally drilled.
7. Estimated drilling duration is 60 days.

3607
542
3059

SURFACE USE AND OPERATIONS PLAN

TO

RE-ENTER AND DEEPEN 100 FEET

WALTER W. KRUG dba WALLEN PRODUCTION COMPANY
WELL NO. 1 WALLEN BASS
330' FSL & 990' FWL SEC. 21, T. 20 S., R. 34 E.
LEA COUNTY, NM LEASE NO. LC-070315

This well was originally drilled by Wallen Production during the period 8-24-78 to 10-4-78 to a total depth of 3550 feet and plugged and abandoned 10-7-78. Plans are to re-enter this well, drill out plugs, and deepen approximately 100' to attempt completion as an oil well. The same road, pad and pit area used to drill the well originally will be used for re-entry operations, so there will be no new surface disturbance.

The following discussion answers the items 1 through 12, concerning the above subject well.

1. AERIAL MAP
----- Plat # 1 is a portion of a USGS topographic map, Lea County, New Mexico, showing existing roads. The location is approximately 26½ miles from Hobbs. The location is along the county road.
2. LOCATION OF EXISTING
WELLS
----- Plat # 2 shows all of the wells and dry holes within a one (1) mile radius of the proposed location.
3. PROPOSED WELL
LOCATION

 - a. Mat size is 140' x 180'.
 - b. Surfaced with 8" of compacted, watered and leveled caliche from BLM quarry.

Mat built to drill the well originally will be used. There will be no new surface disturbance.

- c. Pit is 40' x 60' x 8' deep.
- d. Cut and fill isn't necessary, here the location is nearly level and only requires caliche.
- e. Entrance road is 380' long and comes off of the county maintained road. Road is already built. No. new surface disturbance.
- f. SETTING AND ENVIRONMENT
 - 1. Terrain is gently rolling sand (see Plat # 1).
 - 2. Soil is a very sandy clay.
 - 3. Vegetation is scrub oak, mesquite, gramma grass, spanish dagger, general desert weeds and sand burrs.
 - 4. Surface use is for grazing.
 - 5. Other the area is nearly flat semi-arid desert country and is probably considered a low environmental risk area, There should be very little (if any) environmental effect of drilling and producing in this vicinity.

g. Distances to

- 1. Ponds and streams - there are none within 6 miles.
 - 2. Water wells - none within one mile.
 - 3. Residences and buildings - none within 6 miles.
 - 4. Arroyos, Canyons, etc none within 1½ miles.
- h. Well sign there will be a well sign at the entrance of the road.
 - i. Open Pit will be guarded while drilling, fenced while we are completing the well and then closed in.

4. ROADS

Plat # 1 shows all roads within 3 miles or more. Planned entrance is staked and road will be 380' long and 15' wide and will be caliched with 8" mat note Plat # 3. There are no fences, gates or cattle guard. Road built to drill this well originally will be used. No new surface disturbance.

5. TANK BATTERY

Plat # 4 shows the existing tank battery in NW/4 of NW/4, Section 21, T 20 S, R 34 E.

6. LEASE PIPELINES

Plat # 4 shows all existing oil pipelines and salt water line and disposal well. This plat also shows the proposed oil flow line from this well if oil is established.

7. WASTE DISPOSAL

Well cuttings will be disposed of in slush pit. Barrel trash containers are on location and contents will be burned or buried with a minimum of 23" of dirt cover. Produced-water will be disposed of by injecting in our own salt water disposal well.

8. WATER SUPPLY

Our water is hauled by commercial haulers.

9. ARCHAEOLOGICAL RESOURCES

None in the surrounding area.

10. RESTORATION OF SURFACE

Should the well be productive the pit will be back filled as soon as practical.

11. OPERATORS REPRESENTATIVE

Walter W. Krug
P. O. Box 1960
Midland, Texas 79701

office phone ac 915- 683-2600
 ac 915- 683-6526
home phone ac 915- 563-0048

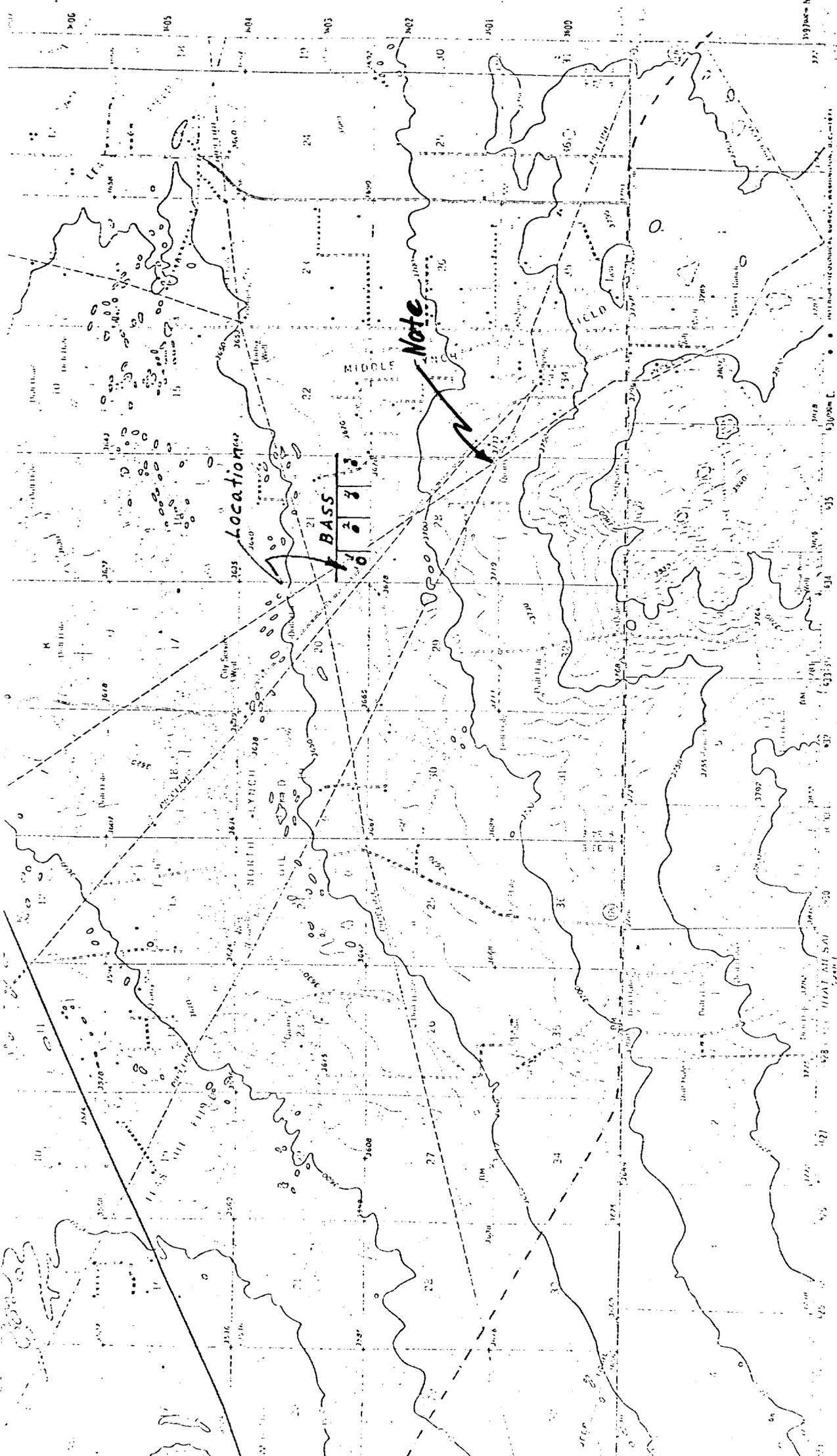
12. CERTIFICATION

I hereby certify that I have inspected the proposed drillsite and access route; that I am familiar with the conditions as they exist. The statements made in this plan are, to the best of my knowledge, true and correct and that the proposed work performed by Wallen Production Company its contractors and sub-contractors will conform to this plan.

May 7 , 1980



Walter W. Krug
Engineer and authorized agent



101 102 103 104 105 106 W.

ROAD CLASSIFICATION
 Heavy duty ——— Light duty
 Medium duty - - - Unimproved road
 U.S. Route ——— State Route



LAGUNA CALINA 6 2000

SCALE 1:62,500

GEOPHON BELLWAVE 10 FEET
 TYPICAL IN BIRMINGHAM

1952

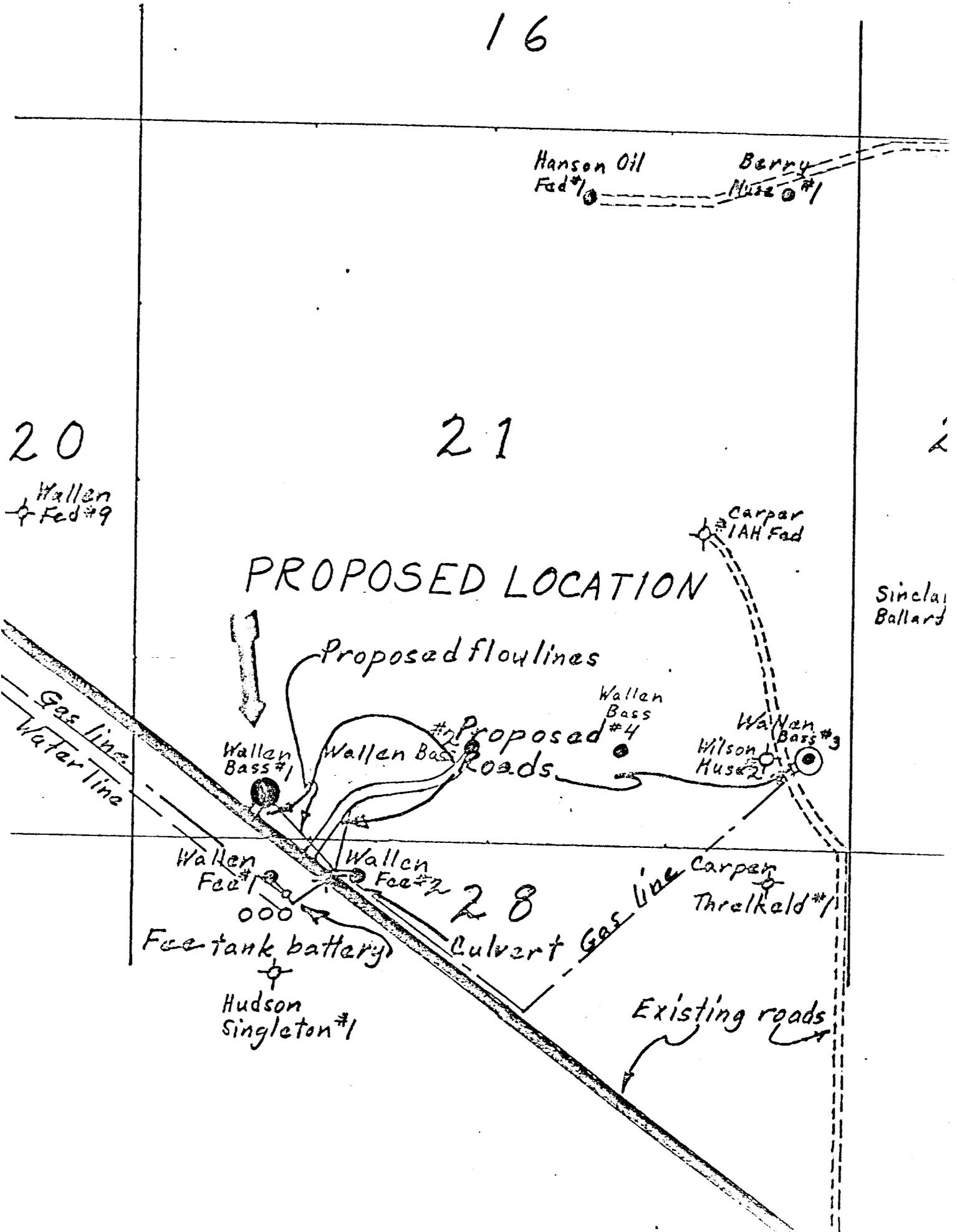
WALLEN PRODUCTION CO. - BASS #1
SE/4, SW/4, SW/4, Sec. 20, T20S, R34E
LEA COUNTY, NEW MEXICO

16

20

21

2



PROPOSED LOCATION

Proposed flowlines

Proposed Roads

Wallen Bass #1

Wallen Bass #2

Wallen Bass #3

Wallen Bass #4

Wilson Hus #2

Wallen Bass #3

Wallen Fee #1

Wallen Fee #2

Fee tank battery

Hudson Singleton #1

28

Culvert

Carper Threlkeld #1

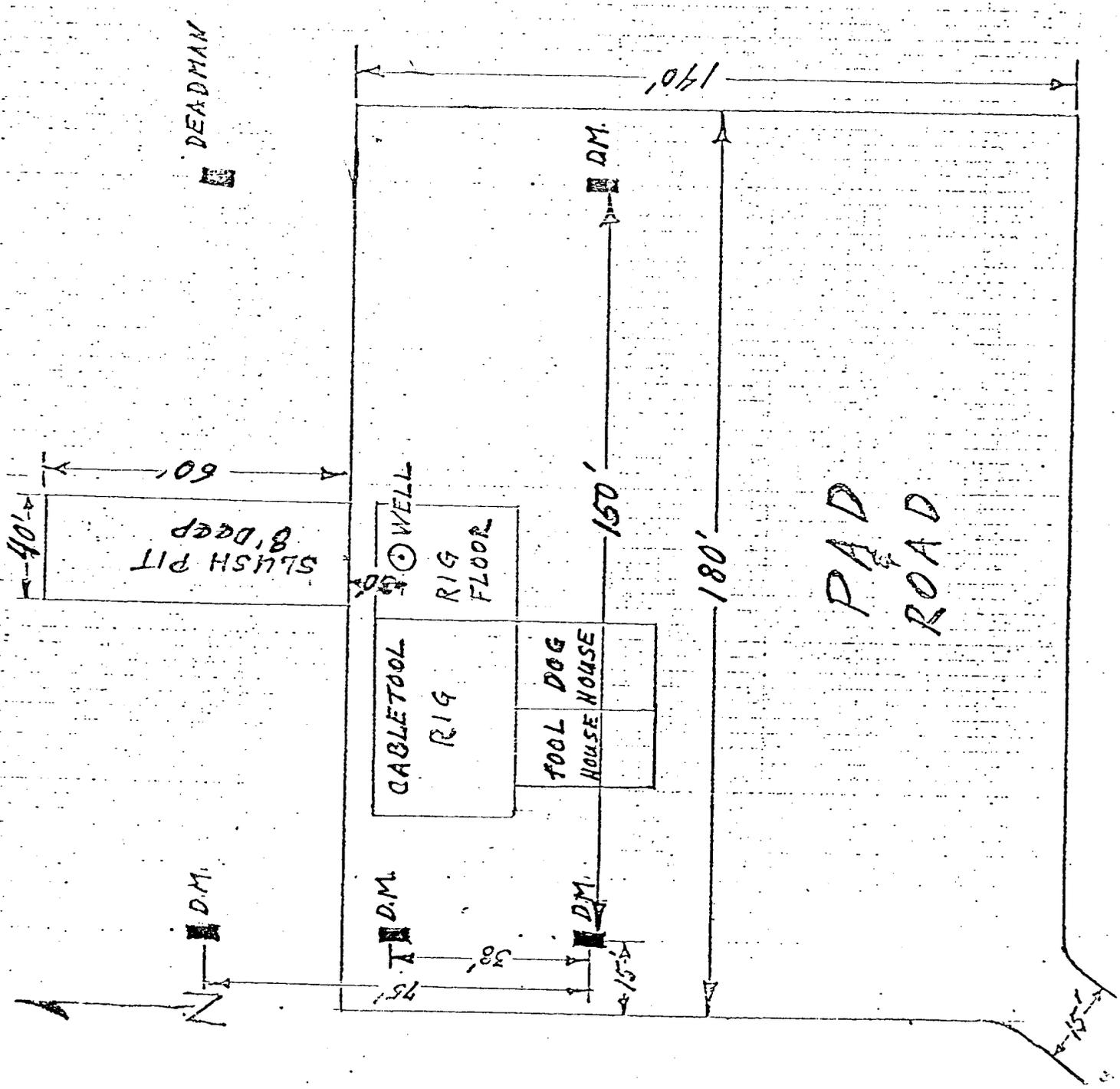
Existing roads

Hanson Oil Fed #1

Berry Hus #1

Wallen Fed #9

Sinclair Ballard



DEADMAN

CALICHE PAD ROAD
8" Mat Compacted

DEADMAN

7" Pipe, 6' Long &
6' Deep (or Umbrella 1 1/2" anchors 8' deep)

1" = 30'

PAD ROAD

10/10/79

COPY TO U.S.G.

Form 9-331
MAY 1969

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other Instructions
Vers. 5/67)

Form approved
Budget Bureau No. 42 R1424
U.S. GOVERNMENT PRINTING OFFICE

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

N.M. 070315

6. INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bass

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT River:
Middle Lynch, Yates. 7

11. SEC., T., R., M., OR BLM. AND
SURVEY OR AREA

Sec 21, T 20 S, R 34 W

12. COUNTY OR PARISH 13. STATE

Lea New Mexico

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR 3672

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 10/6 & 7 we plugged this well back with 3 1/2 yds of sand & gravel mix from 3550' to 3421' (in lime) and sealed with 60# of lead wool tamped solid with grilling tools (2500#). On top we placed a 120' cement plug (35 sxss class H neat) through 2 3/8 tubing. We pulled 21 jts and waited overnight. Checked the plug the next morning and it was there so we filled the hole to 1100' with 120 bbls water & 24 sxs gel. and pulled 8 5/8 water pipe; we ran 35 jts of tubing and placed 25 sxs of class "H" neat cement here and filled the hole with 120 v bbls of water and 24 sxs of gel. Then we pulled the 10 3/4 casing out ran 7 jts of tubing placed 25 sxs class H neat at 215 feet and then ran 10 sxs class H neat in top of 13 3/8 with well monument.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Engineer

DATE 10/10/78

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
JUN 13 1979
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

RECEIVED

JUN 19 1979

CL. OFF. ...
... R. M.

APPROVED
...
...