

N.M.O.D. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-005-60773

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 ☐
2. NAME OF OPERATOR
Carl Engwall
3. ADDRESS OF OPERATOR
P. O. Box 1782, Roswell, New Mexico 88201
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
1980' FS&WL
At proposed prod. zone
Same
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
28 miles Northeast of Roswell, NM
15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 600'
16. NO. OF ACRES IN LEASE
800
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. none
19. PROPOSED DEPTH
1300'
20. ROTARY OR CABLE TOOLS
CT
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3715 GR
22. APPROX. DATE WORK WILL START*
August 25, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12" 8"	9 5/8" 4 1/2"	32.7# 9.5#	100' 1300'	75 sz. to circulate 100 sz.

RECEIVED

AUG 18 1980

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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 Carl Engwall TITLE Operator DATE Aug. 13, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

APPROVED

AUG 26 1980

for DISTRICT SUPERVISOR

*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT

Revised 1-1-65
Effective 1-1-65

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

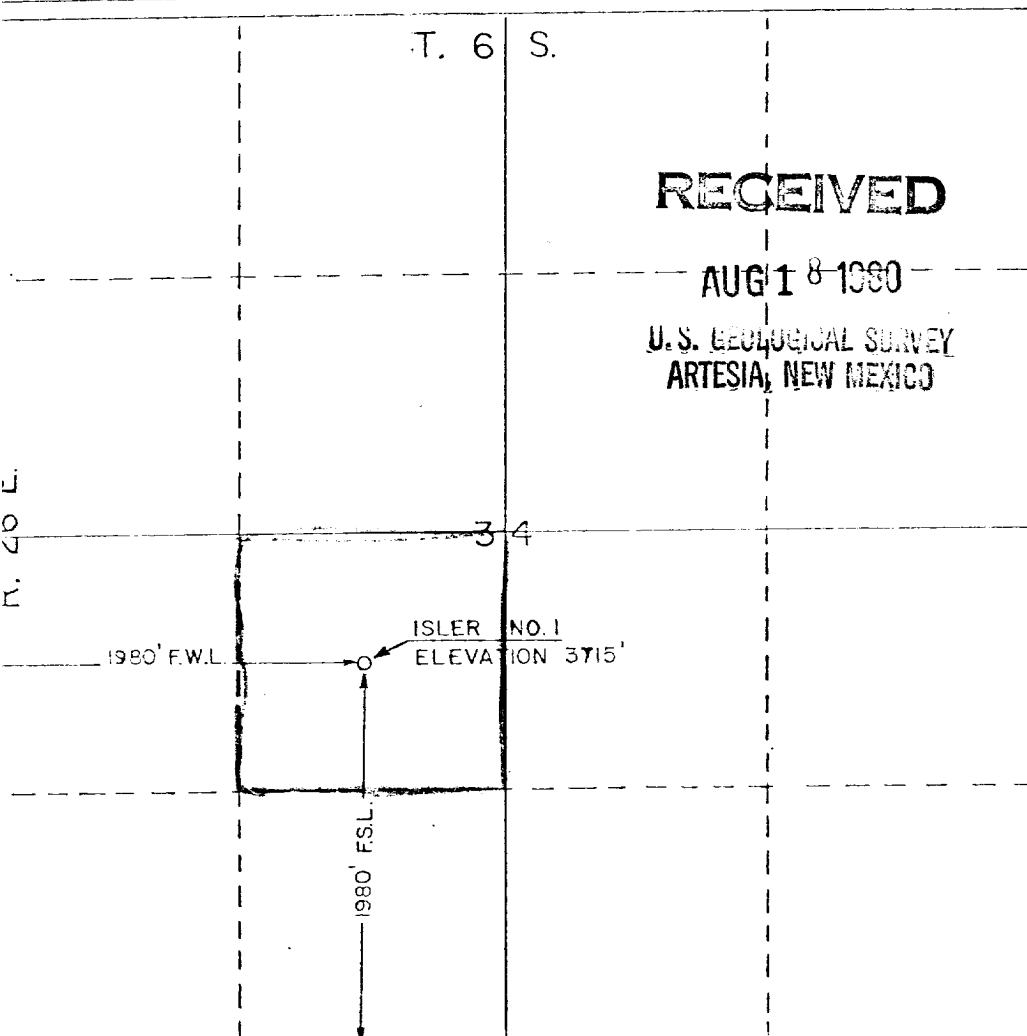
Operator <i>W. E. ...</i>		Lease <i>...</i>		Well No. <i>1</i>	
Section Letter <i>K</i>	Section <i>34</i>	Township <i>6-S</i>	Range <i>26-E</i>	County <i>Chaves</i>	
Well Location of Well:					
1980 feet from the west line and		1980 feet from the south line			
Well Level Elev. <i>3715</i>	Producing Formation <i>S.A.</i>	Pool <i>Linda</i>	Dedicated Acreage: <i>40</i> Acres		

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.



CERTIFICATION

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

Name *Carl Engel*
Position *op*
Company *8-15-80*
Date

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
8-7-80
Registered Professional Engineer and Land Surveyor
Thomas T. Mann
Thomas T. Mann
Certificate No.
N.M. License No. 277

530 400 300 200 100 0

Carl Engwall #1 Isler-Federal, sec. 34,6S,26E,Chaves Co.,NM

Page 5, (NTL-6) Compliance

1. submitted
2. submitted
3. Quaternary sand
4. Cable Tools
5. submitted
6. Estimate top San Andres about 700 feet.
7. Water estimated between 60 to 80 feet, oil estimated at about 1250 feet.
8. submitted, used 9 5/8", new 4 1/2".
9. submitted
10. none necessary
11. none necessary
12. No coring, logging to total depth.
13. No abnormal pressures or hazardous substances expected.
14. Spud date of August 25, 1980 and 30 days to complete.
15. Will comply with all regulations.


Carl Engwall

RECEIVED

AUG 18 1980

SURFACE USE PLAN

CARL ENGWALL #1 ISLER-FEDERAL
1980' FS&WL, Section 34, T-6-S, R-26-E, ~~CN&S~~ US GEOLOGICAL SURVEY
County, New Mexico, Lease NM 12253 ARTESIA, NEW MEXICO
Linda San Andres Field

1. Existing Roads - Maps showing drillsite location in relation to existing landmarks are shown on Exhibits "A" and "B". From Roswell, NM go Northeast on Highway 70 for about 16 miles then turn North for about 12 on an existing road, west and northwest on an existing road and west on about 200 feet of new road to the location.
2. The proposed new road is shown on Exhibit "B", which will be about 200 feet long and 12 feet wide. There will be no caliche used after the road is graded to hardpan. Mr. Mark Cooper has been contacted about the new road and an approval letter is attached.
3. EXISTING WELLS - The nearest production is in the 40 acre production unit to the West, with an abandon test in the same unit. Shown on Exhibit "B".
4. TANK BATTERIES, PRODUCTION FACILITIES AND LEASE PIPE-LINES - There are no tank batteries, production lines, facilities or production of oil on this lease. If production is obtained, tank battery and production equipment will be located on existing pad at the East side of the pad with appropriate fencing. This is shown on Exhibit "D".
5. WATER SUPPLY - Water will be obtained from the fee surface owner and trucked from his well about 3 miles East of this location.
6. CONSTRUCTION MATERIAL - None needed.
7. WASTE DISPOSAL - Well cuttings will be disposed of in the reserve pit. Trash barrels will be in accessible locations at all times. All trash or waste will be either buried, burned or hauled away. If well is completed all waste will be collected and properly disposed of. Any water produced will be collected in a tank and hauled to a disposal well or system. No waste water pits will be constructed without prior USGS approval. See Exhibit "D".
8. ANCILLARY FACILITIES - No camps, airstrips, etc. will be constructed.

SURFACE USE PLAN
CARL ENGWALL #1 ISIER-FEDERAL
Page 2

9. WELLSITE LAYOUT - Refer to Exhibit "C" for direction and access direction.
PAD SIZE - 150 X 150 feet.
CUT AND FILL - Location is nearly level and only a small leveling dirt work is required on the North side of the pad.
SURFACED - No caliche will be required on the pad.
Reserve Pit - A 10 X 20 foot reserve pit will be dug.
DRILL SITE LAYOUT - Exhibit "C" shows the drill pad and reserve pit.
10. RESTORATION OF SURFACE - If well is productive, all pits will be backfilled and leveled when dry as soon as practical. All trash and waste material will be removed or buried with at least 3 feet of cover. At the time of final abandonment all appropriate Governmental Agencies will be notified and all restoration requirements will be complied with.
11. OTHER INFORMATION - SETTING AND ENVIRONMENT -
TERRAIN - Low rolling hills - see Exhibit "B"
Soil - Sandy clay.
Vegetation - Natural grasses and mesquite.
Ponds or streams - None in immediate area.
WATER WELLS - One in center of section 34 about 500 feet to the Northeast of the wellsite.
Residences and buildings - None within one mile.
Arroyos, canyons, hills, etc. - Small dry draw starts Northwest of location.
SURFACE USE - Grazing.
Environment study submitted with plan.
SURFACE OWNERSHIP - All surface roads and drill location are located on surface fee or deeded land to Mr. Mark Cooper and an agreement letter is attached.
Open pits - All open pits will be fenced.
Well sign - A well sign will be appropriately posted.
12. OPERATORS REPRESENTATIVE - Contact for any information.
Carl Engwall, P. O. Box 1782, Roswell, NM 88201
504-623-4541 or 505-622-1945.
- CERTIFICATION - I hereby certify that I have inspected the proposed location and that I am familiar with the conditions that 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 this operation will be performed by me and my contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. A copy of this plan will be posted at the wellsite for all to see.

8-15-80
Date

Carl Engwall
Carl Engwall-Operator

C. R. ENGWALL
#1 ISLER - FEDERAL
EXHIBIT "A"

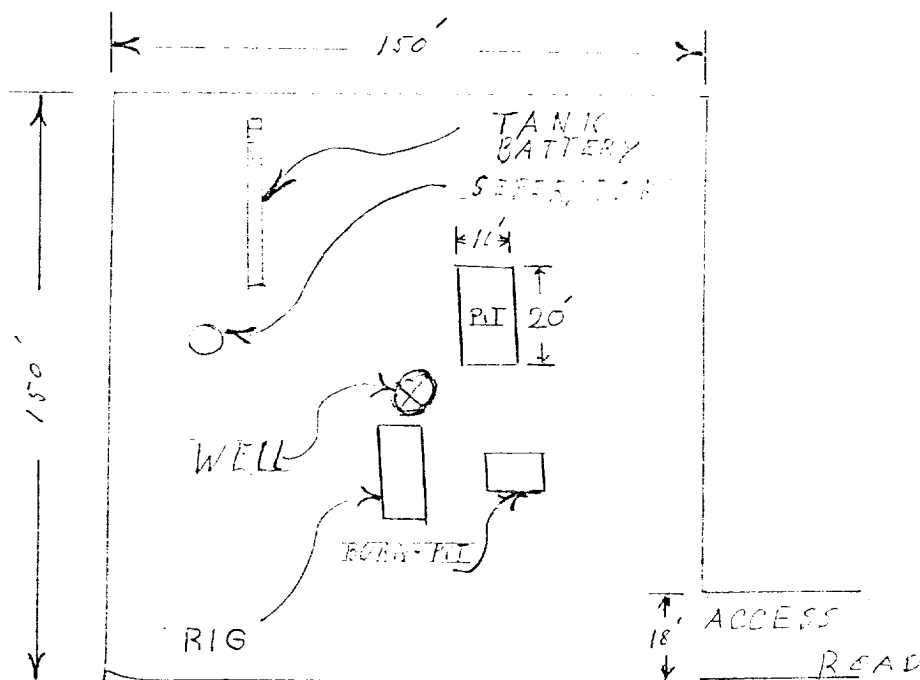
— Us Highway 70
- - - Existing Access Road
— Proposed New Road
○ Proposed Location

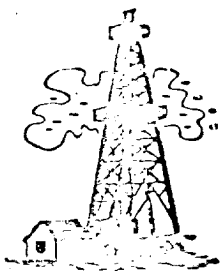
Palma

Bottomless Lakes State Park

Grid coordinates: R26E, R27E, R28E, R29E; T.85, T.95, T.105, T.115

> U I
CARLENGWALL
#1 ISLER-FED.
EXHIBITS
"C" & "D"





CARLENGWALL

GEOLOGICAL CONSULTANT

P. O. BOX 1782
ROSWELL, NEW MEXICO 88201

PHONE: (505) 623-4541

August 14, 1980

Re: Surface use for
test well, sec. 34,
6S, 26E, Chaves Co. NM

Mr. Mark Cooper

I propose to drill a test well to 1300 feet 1980 feet from the South and West lines of section 34 on your fee surface or deeded land. The planned access road will be about 12 feet wide from the existing roadway to the drilling pad and about 200 feet long. The drilling pad will be no larger than 150 feet by 150 feet with a 10 foot by 20 foot reserve pit. The access road and pad will be bladed to level and remove the surface to hardpan. No caliche will be necessary on the road or pad. If production is obtained the drilling pad will be utilized for the tank battery with no additional surface disturbance.

All drill cuttings, fluid and water will be disposed of in the reserve pit, which will be leveled when dry. All trash and debris will either be buried or removed after completion of operations. On final abandonment of the well and/or location the area will be cleaned, pits will be leveled and the road and pad ripped to promote revegetation to the natural state.

Total surface disturbance will be kept to a minimum and be less than one-half acre.

If the above is agreeable with you, it is respectfully requested that you sign the approval below and return one copy.

Yours truly,

Carl Engwall
Carl Engwall

Approved this 14 day of August, 1980

Mark Cooper
Mr. Mark Cooper