

NMOCC COPY

SUBMIT IN TRIP DATE\*  
(Other instructions on  
reverse side)Form approved,  
Budget Bureau No. 42-R1425.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY30-015-22443  
5. LEASE DESIGNATION AND SERIAL NO.L.C. 037777 (a)  
6. IF INDIAN ALLOTTEE OR TRIBE NAME

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

7. UNIT AGREEMENT NAME

b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

8. FARM OR LEASE NAME

LEVERS

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

X CAVE *Sh.*11. SEC., T., R., M., OR B.L.K.  
AND SURVEY OR AREA

33-16-29

12. COUNTY OR PARISH

Eddy

13. STATE

N. Mex.

2. NAME OF OPERATOR

JEM Resources Inc. ✓

3. ADDRESS OF OPERATOR

BOX 648 Artesia, N. Mex. 8810

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface  
660/S. & 660/W of SEC 33 - 16 - 29  
At proposed prod. zoneRECEIVED  
MAR - 9 1978

O. C. C.

ARTESIA, OFFICE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

10 Mi N.W. Loco Hills

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660

16. NO. OF ACRES IN LEASE

600

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.

1320

19. PROPOSED DEPTH

2500

20. ROTARY OR CABLE TOOLS

Rotary

Sable Tools

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

GR 3601

22. APPROX. DATE WORK WILL START\*

Nov. 7 1977

23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8	24	320'	100 (circulate)
7"	5 1/2	14	2500	200

Plan to set 8 5/8 casing at aprox. 320' to cover fresh water and drill to aprox. 2500' to test Yates, 7 Rivers, Grayburg, & Premier. If oil or gas in paying quantity is encountered will set 5 1/2 used & tested pipe and cement with aprox. 200 sacks. See supplement

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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

*Ralph Lee*

TITLE

PRESIDENT

DATE

12-17-77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

MAR 8 - 1978

APPROVED BY

*Joe D. Laro*

TITLE

ACTING DISTRICT ENGINEER

DATE

MAR 8 - 1978

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.

EXPIRES

JUN 8 - 1978

\*See Instructions On Reverse Side

**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 <b>JEM RESOURCES</b>		Lease <b>Lavers</b>		Well No. <b># 5</b>
Tract Letter <b>"M"</b>	Section <b>33</b>	Township <b>16 South</b>	Range <b>29 East</b>	County <b>Eddy</b>
Actual Fracture Location of Well:				
<b>660</b>	feet from the <b>South</b>	line and <b>660</b>	feet from the <b>West</b>	line
Ground Level Elev. <b>3601</b>	Producing Formation <b>Premier</b>	Pool <b>Cave</b>	Dedicated Acreage: <b>40</b> Acres	

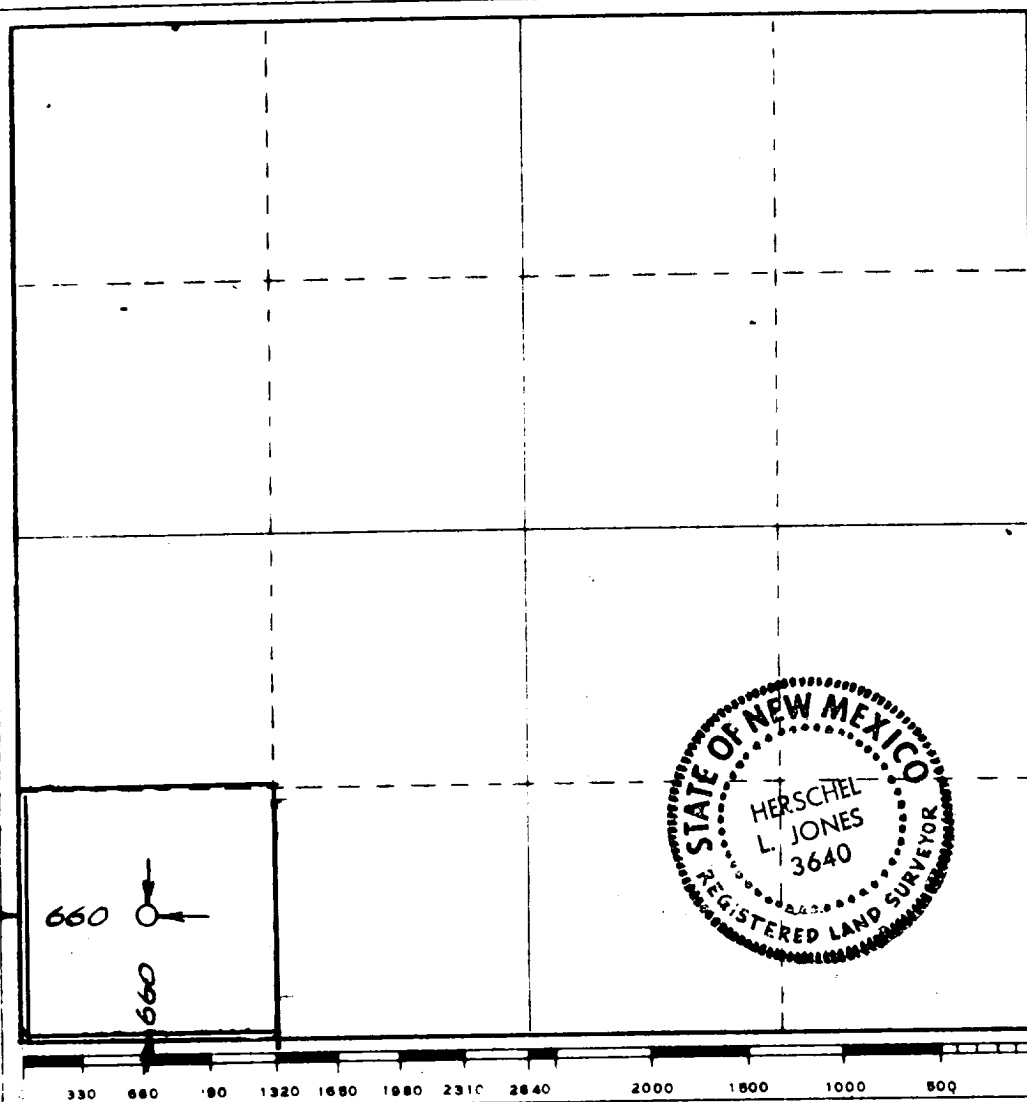
- 1 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- 2 If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 3 If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

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**U.S. GEOLOGICAL SURVEY**  
**ARTESIA, NEW MEXICO**

☐ 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.

*Dalton Bell*

Name  
**Dalton Bell**

Position  
**President**

Company  
**JEM Resources, Inc.**

Date  
**10-17-77**

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  
**September 23, 1977**

Registered Professional Engineer and/or Land Surveyor

*Herschel L. Jones*

Certificate No. **3640**

Supplement to USCS form 9-331C as required from NTL 6-Page-5

Operator	JEM Resources Inc.
Lease & Well #	Levers- #5
Location	660/s & 660/w sec. 33-16-29
	Eddy County, N. Mex.

1. See form 9-331C
2. " " "
3. Geologic surface formation is recent.
4. See form 9-331C
5. " " "
6. Estimated tops of Geologic markers are

Top	Salt	250
Base	Salt	430
Top	Yates	860
Top	7 Rivers	1090
Top	Queen	1650
Top	Grayburg	2150
Top	Premier	2450

7. Estimated depths at which anticipated water Oil & Gas may be encountered are

Surface	water	100-150
Oil, Gas	Yates	850-900
Oil, Gas	7-R	950-1060
Water	Queen	1600-1700
Oil, Gas	Grbg	2150-2250
Oil, Gas	Premier	2400-2500

8. See 9-331C
9. See 9-331C
10. No unusual pressures are anticipated. Will install usual safety eqpt. after setting surface string.
11. N/A. Will drill with cable tool.
12. No auxiliary eqpt. necessary.
13. No coring or D.S.T. Newtron log will be run.
14. Drilling in known field, no abnormal pressures are expected.
15. Starting date - aprox. 11-7-77 and completion aprox. 12-15-77.

Surface use plan as required by NTL-6 Pages 7 - 12

JEM Resources Inc.  
 Levers- #5  
 660/s & 660/w 33-16-29  
 Eddy County N. Mex.  
 Lease # L.C. 037777 (a)

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

#### 1. Existing Roads

- A. Exhibit A is a map of area with location pinpointed, shows location from Artesia & Loco Hills. An improved road runs along quarter section line East West across Sec. 4 & lease roads run within 150' of location.
- B. Exhibit B shows lease roads & improved roads

#### 2. Planned Access Roads

- A. Exhibit C shows detail of location. Road to be built will be less than 200 feet.

#### 3. Location of Existing Facilities

- A. Exhibit D shows location of all wells within 1 mile & location of existing tank battery. New flow line to existing tank battery would be built if needed.

#### 4. Water Supply

- A. Water will be hauled to location by company truck from existing facilities at Cave Pool unit tank battery where fresh water is available from city of Carlsbad (Eagle Water Co.) line.

#### 5. Construction Materials

- A. Soil at location is sandy-caliche and is very flat so very little hauling is anticipated. Caliche is available at existing pit in Sec. 4-17-29.

#### 6. Methods of Handling Waste.

- A. Drill cuttings will be disposed of in drilling pit. Water will be placed in pit and allowed to evaporate before closing pit. Cable tool rig will produce very little water or waste.
- B. Current regulations will be followed for disposal of solid and human waste. Well site will be cleared of all debris within 30 days of completion.

7. Ancillary Facilities

- A. None required

8. Well Site Layout

- A. See exhibit E.  
Very little change to be made in present condition of surface.
- B. Pad & Pit area has been staked.

9. Plans for Restoration of Surface

- A. After completion or abandonment pits will be filled.
- B. Unnecessary Equipment will be removed and surface will be restored as nearly as possible to present condition.
- C. Any requirements made by surface management agency will be met.

10. Other Information

- A. Topograph-land surface is almost flat, very gently sloping south-east ground elevation is 3601'. Soil is sandy caliche.
- B. Flora and Fauna-vegetative cover is generally native range grasses and mesquite. Wildlife is typacal to the area including coyotes, rabbits, rodents, reptiles, antelope and various birds, including quail and dove.
- C. Ponds and streams-no streams, lakes or ponds in the area.
- D. Residences-no residence or other structure within 3-4 miles
- E. Land use-grazing and hunting in season.
- F. Surface owner ship-wellsite is on federal surface.

11. Field Representative Responsible

For assuring compliance with approved surface use and operations plan contact-

Dalton Bell  
705 Bullock  
Box 648  
505-748-2134  
Artesia, N. Mex. 88210

Or

Joe E. Bell  
622-2515  
Roswell, N. Mex. 88201

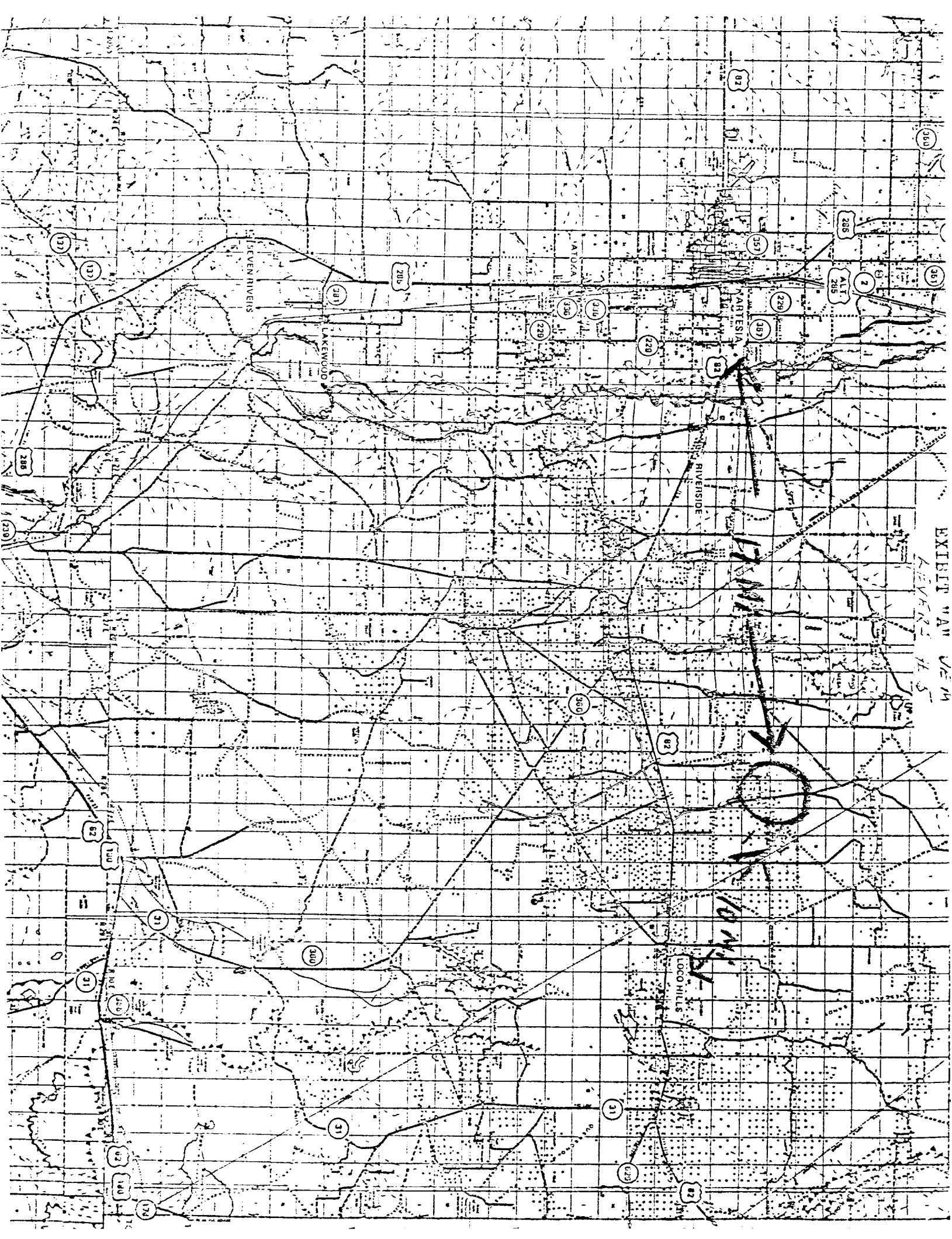
12. Certification

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 JEM Resources Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

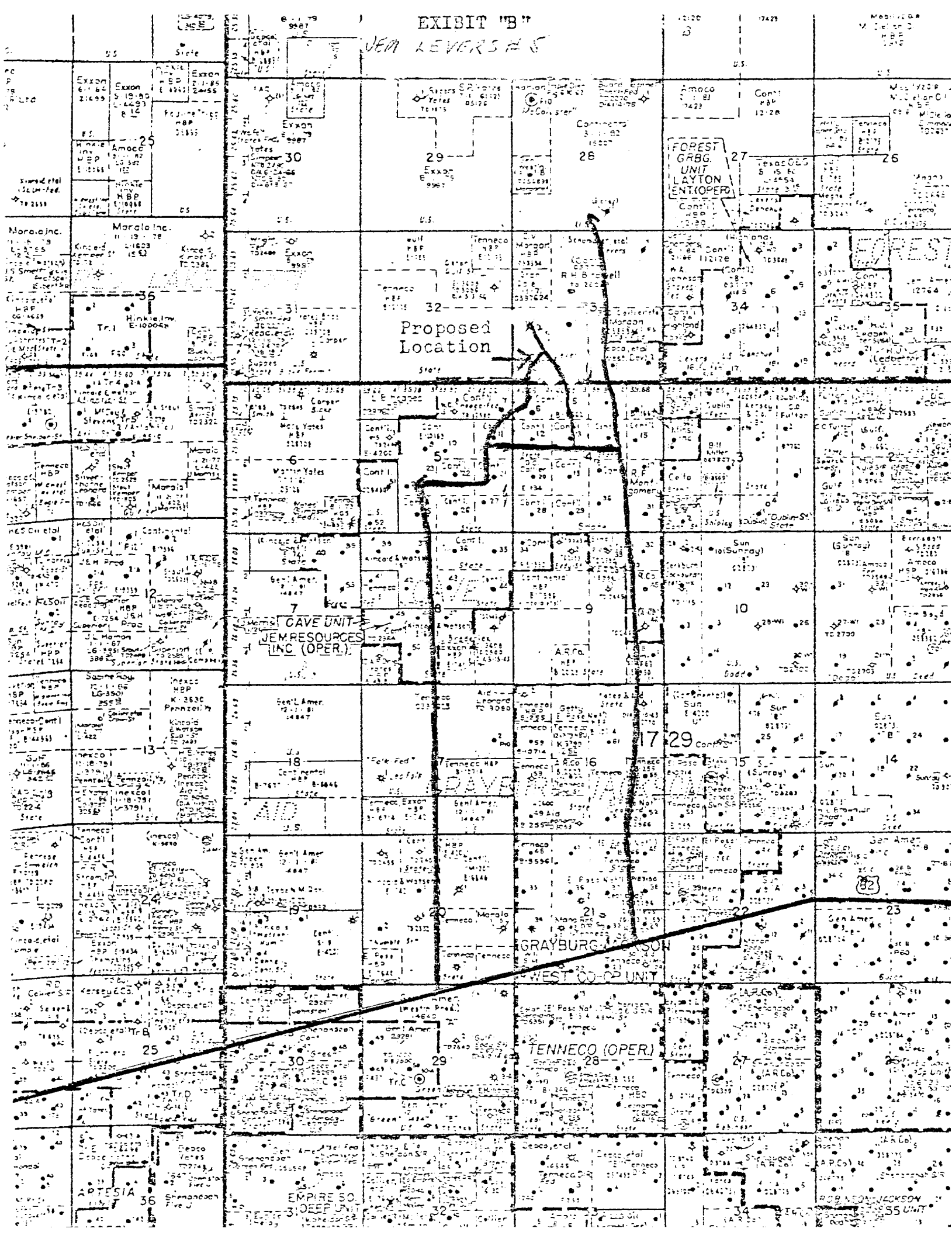
10-17-77  
(Date)

Ralph Self PRES  
(Name and Title)

2-15-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-104



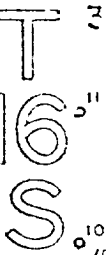
THE LEVER 5







## C



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EXHIBIT A  
LEVER 5 # 5  
JEN

