UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG___ ELECTRIC LOGS___ FILE X WATER SANDS___ LOCATION INSPECTED ___ SUB. REPORT/ABD.___

DATE FILED 1-9-80

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-16531 INDIAN

DRILLING APPROVED: 1-18-80

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: Location Abandoned Well Never Drilled 4-2-81

FIELD: Wildcat 3/86

UNIT:

COUNTY: Wayne

WELL NO. Federal 41-8 API NO: 43-055-30028

LOCATION 720' FT. FROM (N) ~~(S)~~ LINE. 700' FT. FROM (E) ~~(W)~~ LINE. NE NE ¼-¼ SEC. 8

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
27S	7E	8	TIGER OIL COMPANY				

Form 9-331C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-16531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Federal

2. NAME OF OPERATOR: E. M. Davis d/b/a Tiger Oil Company

9. WELL NO.: #41-8

3. ADDRESS OF OPERATOR: P. O. Box 113, Wheat Ridge, Colorado 80033

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 720' FNL 700' FEL (NE NE)
At proposed prod. zone: Same

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 8-T27S-R7E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 17.9 miles from Cainsville, Utah

12. COUNTY OR PARISH: Wayne Co. | 13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 700'

16. NO. OF ACRES IN LEASE: 945.00

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40 acres

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

19. PROPOSED DEPTH: 5920' Mississippian

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5562' ground

22. APPROX. DATE WORK WILL START*: March 15, 19[illegible]

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12¼"	9 5/8" K-55	36#	250'	250 sacks
8 3/4"	5½" K-55	14#	5920'	350 sacks

1. Drill 12¼" hole to 250' and set surface casing.
2. To log BOP's daily while drilling 8 3/4" hole.
3. Run electric logs, test as needed, and run production casing.
4. Perforate and stimulate as in Exhibit "B".

EXHIBITS ATTACHED:

"A" Elevation and Location Plat.
"B" Ten-Point Compliance Program.
"C" The B.O.P. Diagram.
"D" Multipoint Requirements.
"E" Access Road from Cainsville, and from Fremont Junction.
"F" Drilling Rig Layout.
"G" Production Facilities Layout.
"H" Drill Pad Contours, Cut-Fill.
--Fentress Agency letter.
--AERC Archeological Report
--Designation of Agent
--BLM Lease Map

RECEIVED
JAN 9 1980
DIVISION OF OIL, GAS & MINING

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 E. M. Davis TITLE Ass't Chief Eng'r DATE January 4, 1980

(This space for Federal or State office use)

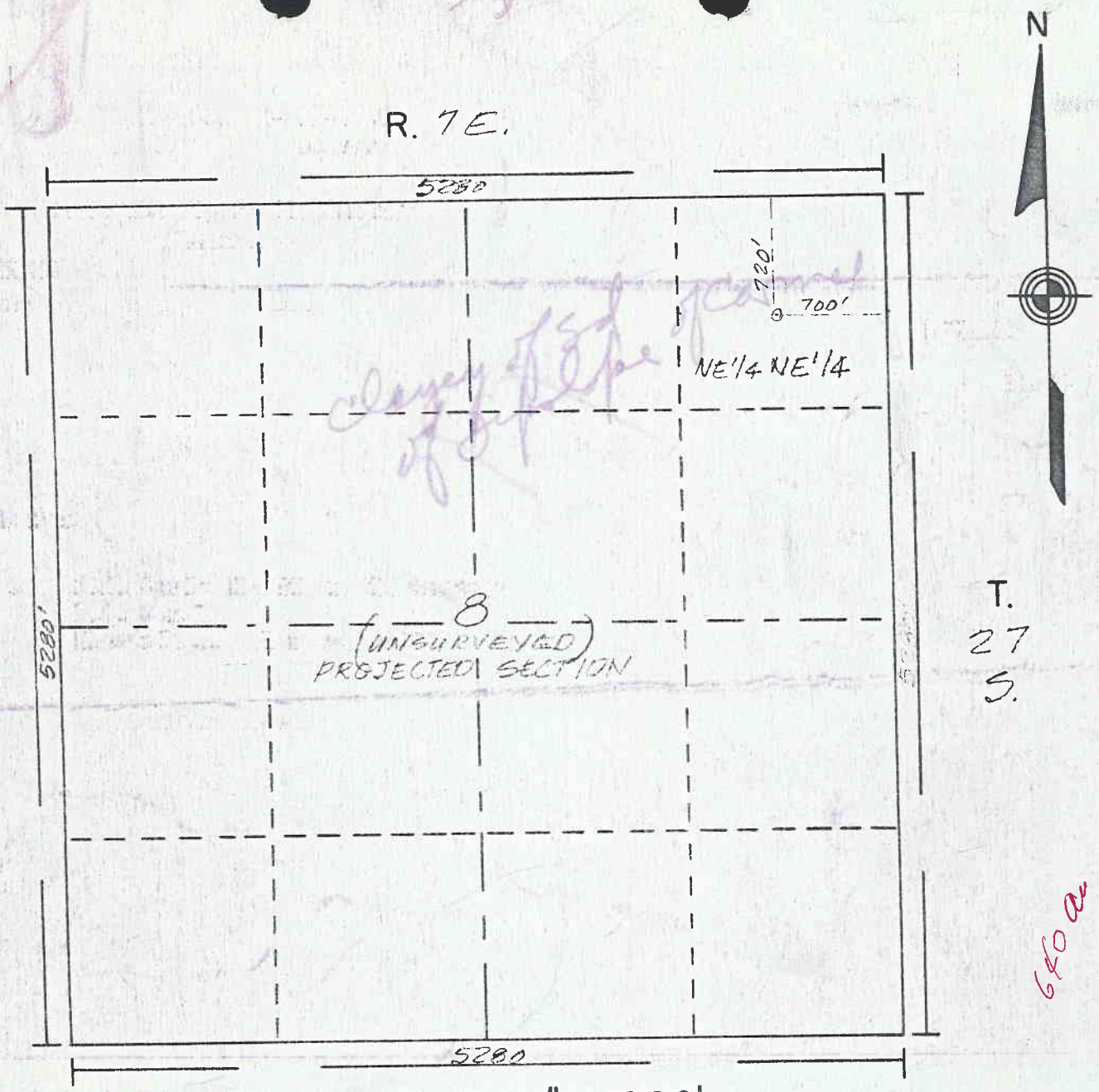
PERMIT NO. 43-055-30028 APPROVAL DATE January 15, 1980

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

FORM F-106



Scale··· 1" = 1000'

Powers Elevation of Denver, Colorado
has in accordance with a request from GEO. FENTRESS
for E.M. DAVIS dba TIGER OIL CO.
determined the location of 41-8 FEDERAL
to be 720' FNL, & 700' FEL Section 8 Township 27S.,
Range 7 EAST, SALT LAKE BASE & Meridian
WAYNE County, UTAH

I hereby certify that this plat is an accurate representation of a correct survey showing the location of

Date: 12-6-79

Larry D Becker
Licensed Land Surveyor No. 4189
State of UTAH

** FILE NOTATIONS **

DATE: January 9, 1980

Operator: Tiger Oil Company

Well No: Federal #41-8

Location: Sec. 8 T. 27S R. 7E County: Wayne

File Prepared: ✓ Entered on N.I.D.: ✓

Card Indexed: ✓ Completion Sheet: ✓

✓ API Number 43-055-30028

CHECKED BY:

Geological Engineer: M.J. Minder 1-15-80

Petroleum Engineer:

Director:

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. O.K. Rule C-3 ✓

#1

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site

Lease Designation Fed Plotted on Map ✓

Approval Letter Written ✓

ltrs

W
PI

January 18, 1980

Tiger Oil Company
P.O. Box 113
Wheat Ridge, Colorado 80033

Re: Well No. Federal 11-4, Sec. 4, T. 27S, R. 7E., Wayne County, Utah
Well No. Federal 12-27, Sec. 27, T. 26S, R. 7E., Emery County, Utah
Well No. Federal 14-9, Sec. 9, T. 26S, R. 7E., Emery County, Utah
Well No. Federal 14-21, Sec. 21, T. 26S, R. 7E., Emergy County, Utah
Well No. Federal 41-8, Sec. 8, T. 27S, R. 7E., Wayne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells is hereby granted in accordance with Rule C-3, G General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is #11-4 - 43-055-30027; #12-27 - 43-015-30072; #14-9 - 43-015-30073; #14-21 - 43-015-30074; #41-8 - 43-055-30028.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
GEological Engineer

/btm
cc: USGS

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-16531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Federal

2. NAME OF OPERATOR: E. M. Davis d/b/a Tiger Oil Company

9. WELL NO.: #41-8

3. ADDRESS OF OPERATOR: P. O. Box 113, Wheat Ridge, Colorado 80033

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 720' FNL 700' FEL (NE NE)
At proposed prod. zone: Same

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"B" Ten-Point Compliance Program.
"C" The B.O.P. Diagram.
"D" Multipoint Requirements.
"E" Access Road from Cainsville, and from Fremont Junction.
"F" Drilling Rig Layout.
"G" Production Facilities Layout.
"H" Drill Pad Contours, Cut-Fill.
--Fentress Agency letter.
--AERC Archeological Report.
--Designation of Operator
--BLM Lease map

State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

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 E W White TITLE Ass't Chief Eng'r DATE January 4, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY W P Martens FOR E. W. GUYNN DISTRICT ENGINEER TITLE _____ DATE MAR 20 1980

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
MAR 19 1980
DIVISION OF
OIL, GAS & MINING

*See Instructions On Reverse Side

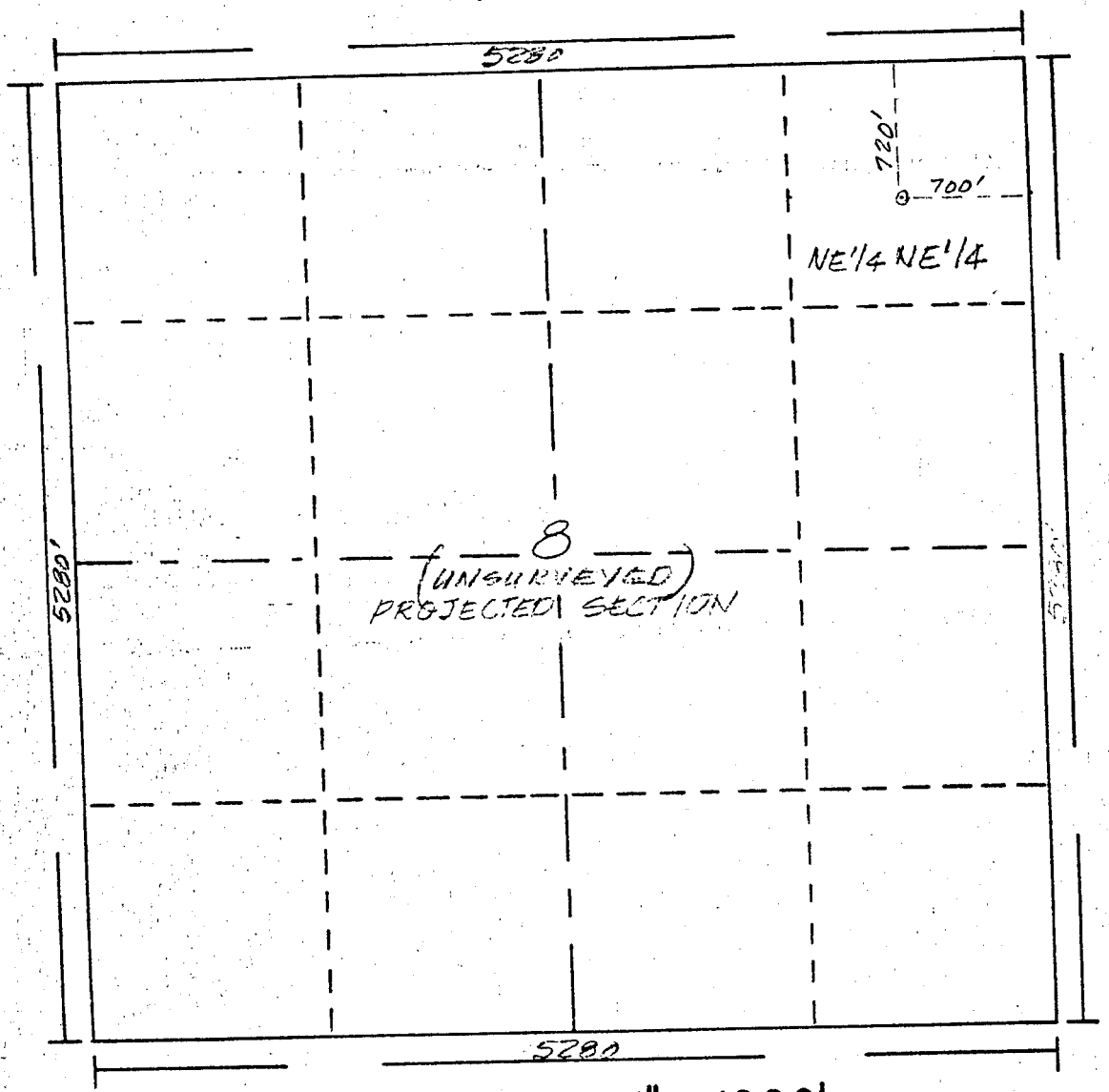
NOTICE OF APPROVAL
w/ State O&G

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

FORM F-106

R. 7E.



Scale··· 1" = 1000'

Powers Elevation of Denver, Colorado
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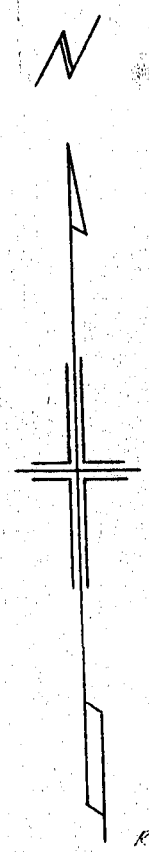
determined the location of 41-8 FEDERAL
to be 720' FNL, & 700' FEL Section 8 Township 27S.,
Range 7 EAST, SALT LAKE BASE & Meridian
WAYNE County, UTAH

I hereby certify that this plat is an accurate representation of a correct survey showing the location of

Date: 12-6-79

Larry D Becker
Licensed Land Surveyor No. 4189
State of UTAH

TOPOGRAPHIC MAP



R.P. 200' N.
5566.3'

R.P. 200' W.
5562.3'

El. 5562'
Well site = CO.O

R.P. 200' E.
5560.3'

Scale: 1" = 50'

WELL NO. 41-8 FEDERAL
NE¼NE¼, SEC. 8, T. 27S., R7E.
WAYNE COUNTY, UTAH

5556.3'
R.P. 200' S.

by: Wayne O Powers
Powers Elevation Company, Inc.

Oil and Gas Drilling

EA No. 215-80

United States Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

USUAL ENVIRONMENTAL ASSESSMENT

Date February 8, 1980

Operator E. M. Davis, dba Tiger Oil Co. Well No. 41-8

Location 720' FNL 700' FEL Section 8 Township 27S Range 7E

County Wayne State Utah Field/Unit Wildcat

Status: Surface Ownership Public Minerals Federal

Lease No. U-16531 Permit No. _____

Joint Field Inspection Date: January 16, 1980

Field Inspection Participants, Titles, and Organizations:

George Fentress	Operator's agent
Gene Lawson	Tiger Oil
Bill Hauze	National Park Service
Larry Gearhart	Bureau of Land Management
Bill Grossi	Bureau of Land Management
Glenn Doyle	U. S. Geological Survey

Related Environmental Documents:

Henry Mountain Resource Planning Unit EAR, Bureau of Land Management, Utah.

→ Access rte changed
No access thru CRNP
Pad 300 x 400
Pit 145 x 105
1 4/10 mi x 16' new access
Stockpile topsoil
3 ac
4 miles to CRNP
→ Mitigators Pg 6
3) a)-e)

Prepared by: Glenn M. Doyle
Environmental Scientist
Grand Junction, Colorado

Proposed Action:

On January 8, 1980, E. M. Davis, dba Tiger Oil Co., filed an Application for Permit to Drill the No. 41-8 exploratory well, a 5920' oil test of the Moenkopi, Sinbad and Kaibab, Toroweap, and Wolfcamp, located at an elevation of 5562' in the NE/4 NE/4 of Sec. 8, T27S, R7E on federal mineral lands and public surface, lease No. U-16531. There was no objection raised to the wellsite. As an objection was raised to the access road, it was changed. See attached map for new access road.

The 3.7 mile proposed "short cut" through Capitol Reef National Park cannot be allowed as per Title 36, Section 5.6(b), Code of Federal Regulations, to wit: "The use of government roads within park areas by commercial vehicles, when such use is in no way connected with the operation of the park area, is prohibited,..."

A rotary rig would be used for the drilling. The casing program should meet WRD-USGS casing recommendations. Freshwater sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan are on file in the U S.G.S. District Office in Salt Lake City, Utah, and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City, Utah.

A working agreement has been reached with the Bureau of Land Management, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 300' wide x 400' long and a reserve pit 145' x 145'. A new access road would be constructed 16' wide x 1.4 miles long from an existing and improved road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad. If production is established, plans for a gas flowline would be submitted to the appropriate agencies for approval. The anticipated starting date is February 1980 and duration of drilling activities would be about 14 days.

Location and Natural Setting:

The proposed drillsite is approximately 18 miles NW of Cainsville, Utah, the nearest town. A fair road runs to within 1.4 miles of the location. This is a wildcat well.

Topography:

The terrain is flat to gently sloping and cut by small, intermittent drainages which drain to the south-southwest.

Geology:

The surface geology is Navajo Sandstone. The soil is a sandy-clay. No geologic hazards are known near the drillsite. Seismic risk maps for the general region indicate that, statistically, the greatest amount of damage

would be moderate, corresponding to intensity VII of the Modified Mercalli Intensity Scale, 1931. (David M. Perkins, USGS) Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U. S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Six to eight inches of topsoil would be removed from the surface and stockpiled on the NE edge of the location. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately three acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated. However, if H_2S or any other toxic substances are encountered, the USGS is to be notified immediately.

The wellsite lies in a Class II attainment area. About four miles due west lies the boundary for Capitol Reef National Park, which trends north and south. Capitol Reef National Park is a Class I attainment area. The winds blow predominantly from SW to NE, so air quality of the Park should not be affected.

Precipitation:

Annual rainfall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rainstorms. This type of storm is rather uncommon as the annual precipitation is around 8".

Winds are medium and gusty, occurring predominantly from southwest to northeast. Air mass inversions are rare. The climate is semiarid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

Several small, intermittent drainages lace the drillsite. To the NE, a southward-draining, moderate-capacity, non-perennial channel cuts the proposed wellsite. Dirt construction would place the reserve pit in a small hillside NE of this channel while the wash would be filled.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean up all spills or leaks.

Groundwater Hydrology:

Some minor pollution of groundwater systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination, and commingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be

reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of freshwater formations are listed in the 10-Point Subsurface Protection Plan. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

According to WRD-USGS, good quality water may be found in the Navajo Sandstone. Water in either the Wingate and/or Coconino Sandstones may be fresh to moderately saline, and thus useful, at least for stock.

Vegetation:

Predominant vegetation in the area includes: Fourwing saltbush, shadscale, winterfat, and Indian ricegrass.

Proposed action would remove about three acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations. Rehabilitation would be conducted in accordance with BLM recommendations.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area. The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is visible from a major dirt road which passes through Capitol Reef National Park. During drilling operations, the rig and associated equipment would detract from the aesthetics of the region. Visitors traveling this road would probably find the operations unappealing, visually. The intensity of this visual impact depends on when the rig is operating versus when visitors use the road. Peak tourist season at Capitol Reef N.P. usually occurs during the spring and fall months. Drilling operations would be scheduled according to the operator's plans, however, visual impacts can be reduced in two ways:
1) Schedule drilling operations during the off-season for the park, and
2) Move equipment off the loction as soon as possible.

The overall effect of oil and gas drilling and production activity is significant in Emery County but it is difficult to assess the environmental impact of a single well on state and/or national levels. However, if said well was to produce in sufficient quantity, additional development wells might be anticipated. This additional development, in turn, would lead to greater environmental and socioeconomic consequences.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

Capitol Reef National Park lies approximately four miles due west of the location. There are no other national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Henry Mountain Resource Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A covered trash bin would be utilized for any solid wastes generated at the site and would be hauled off at the completion of the operations and dumped at an approved site. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternatives to the Proposed Action:

1) Not Approving the Proposed Permit--The Oil and Gas Lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the

environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under U.S.G.S. and other controlling agencies' supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration.

2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

3) Drilling should be permitted, provided the following mitigative measures are incorporated into the APD and are adhered to by the operator:

a) Operator will construct reserve pit entirely in native material (cut),
b) Operator will stockpile 6-8" of topsoil on the NE edge of the pad,
~~c) Operator will not construct a trash or burn pit, but will provide a covered trash bin.~~
d) Operator will use a portable chemical toilet on the location. No sanitation pits will be dug, and
e) If drilling with air, the operator will maintain a minimum 125' blooie line from the reserve pit and direct it into the reserve pit.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately three acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for subsurface damage to freshwater aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplacable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Fremont River. The potential for pollution would exist through leaks and spills.

If well is a producer, other development wells would be anticipated with substantially greater environmental and economic impacts.

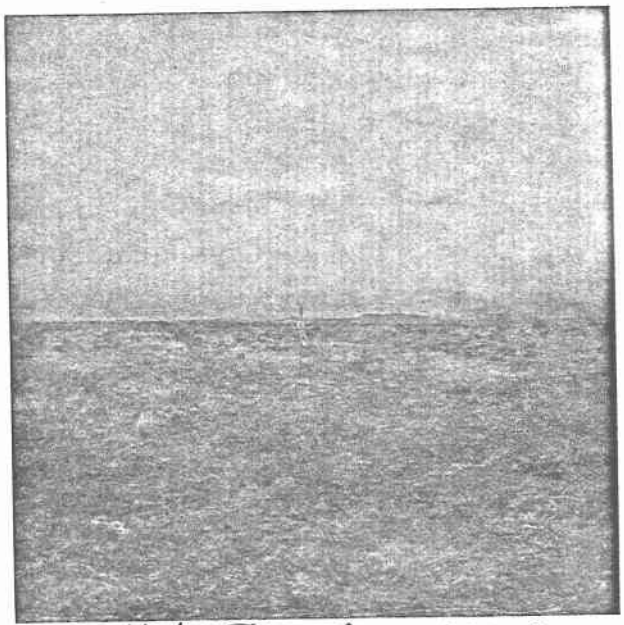
We have considered the proposed action in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination:

I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Sec. 102(2)(C).

FEB 11 1980
Date

District Engineer
U. S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District



E.M.D. d/b/a Tiger Oil #41-8
Sec. 8, T27S, R7E, Wayne Co., Utah

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT LEASE NO. U-16531

OPERATOR: Tiger Oil Co WELL NO. 41-8

LOCATION: NE¼ NE¼ sec. 8, T. 27S, R. 7E, SLM

Wayne County, Utah

1. Stratigraphy:

Carmel	surface	• kaibab	3420
Navajo	600	• Toroweap	3570
Kayenta	1600	✱ wolfcamp	4520
Wingate	1740	Mississippian	5920
Chinle	2200	TD	5920
Moenkopi	2640		
• Sinbad	3220		

2. Fresh Water:
Surface casing should extend to Navajo SS. See WRD report for Tiger Oil Co well 11-4 NWNW 4-27S-7E

3. Leasable Minerals:
Possible oil & gas as indicated by ✱ • or ☼

4. Additional Logs Needed:
adequate

5. Potential Geologic Hazards:
none expected

6. References and Remarks:

Signature: _____ Date: 1-30-80

Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

April 2, 1981

E.M. Davis and Tiger Oil Company
P.O. Box 113
Wheat Ridge, Colorado 80033

Re: Return Application for
Permit to Drill
Well No. 41-8
Section 8, T. 27S., R. 7E.
Wayne County, Utah
Lease No. U-16531
Application Approved: March 19, 1980

Gentlemen:

The Application for Permit to Drill the referenced well was approved. Since that date no known activity has transpired at the approved location. Under normal District policy, application's for permits to drill are extended for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application. Should you decide to drill at this location in a future date a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drillsite. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must, then be submitted. Your cooperation in this matter is appreciated.

Sincerely,

(Orig. Sgd.) R. A. Henricks

for E. W. Guynn
District Oil & Gas Supervisor

cc: DOM, CR, O&G, Denver
BLM-Hanksville
State Office (O&G)
State Office (BLM)
USGS-Vernal
Well File
APD Control

RAH/TM/tm