

FILE NOTATIONS

Entered in NID File .. ✓.....
Location Map Pinned
Card Indexed ✓.....

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 12/24/78

Location Inspected

WW..... WW..... TA.....
..... OS..... PA..... ✓.....

Bond released
State or Fee Land

LOGS FILED

Driller's Log..... ✓.....

Electric Logs (No.) .. ✓.....

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....

Confidential as per request - 10/11/78 / Released: 7/26/79
Plugged & abandoned: 12/24/78

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. Lease Designation and Serial No.

MC
32186-Bluma

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

State

9. Well No.

12-11

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 11, T24S, R20E

12. County or Parrish 13. State

Grand Utah

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

Single Zone

Multiple Zone

2. Name of Operator

Tiger Oil Company

3. Address of Operator

Suite 1500, Five Greenway Plaza East, Houston, Texas 77046

4. Location of Well (Report location clearly and in accordance with any State requirements.*)

At surface 1980' FNL & 660' FWL ~~SW~~ NW

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office*

15 miles NW of Moab, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

660'

16. No. of acres in lease

600

17. No. of acres assigned to this well

320

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

None

19. Proposed depth

12,000'

20. Rotary or cable tools

Rotary

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

GR 4927

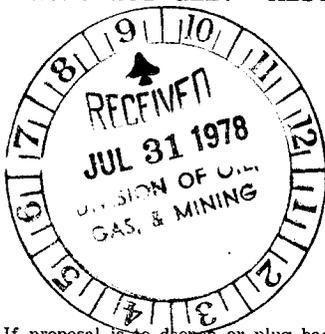
22. Approx. date work will start*

August 10, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17 1/2"	13-3/8"	54.5	1000'	± 1,200 sacks

1. Drill a 17 1/2" hole to 1000'.
2. Set 13-3/8" casing @ 1000' and circ. cement to surface.
3. Drill 8-3/4" hole to TD, run logs, and set 5 1/2" or 7" production casing for cased hole testing.
4. BOP's below the 13-3/8" casing will be 2, 12" X 900 series ram type and a 12" X 900 series Hydril with remote controls for all. Also a 3000# choke manifold will be used.



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 *J A White* Title Assistant Chief Engineer Date 7/28/78

(This space for Federal or State office use)

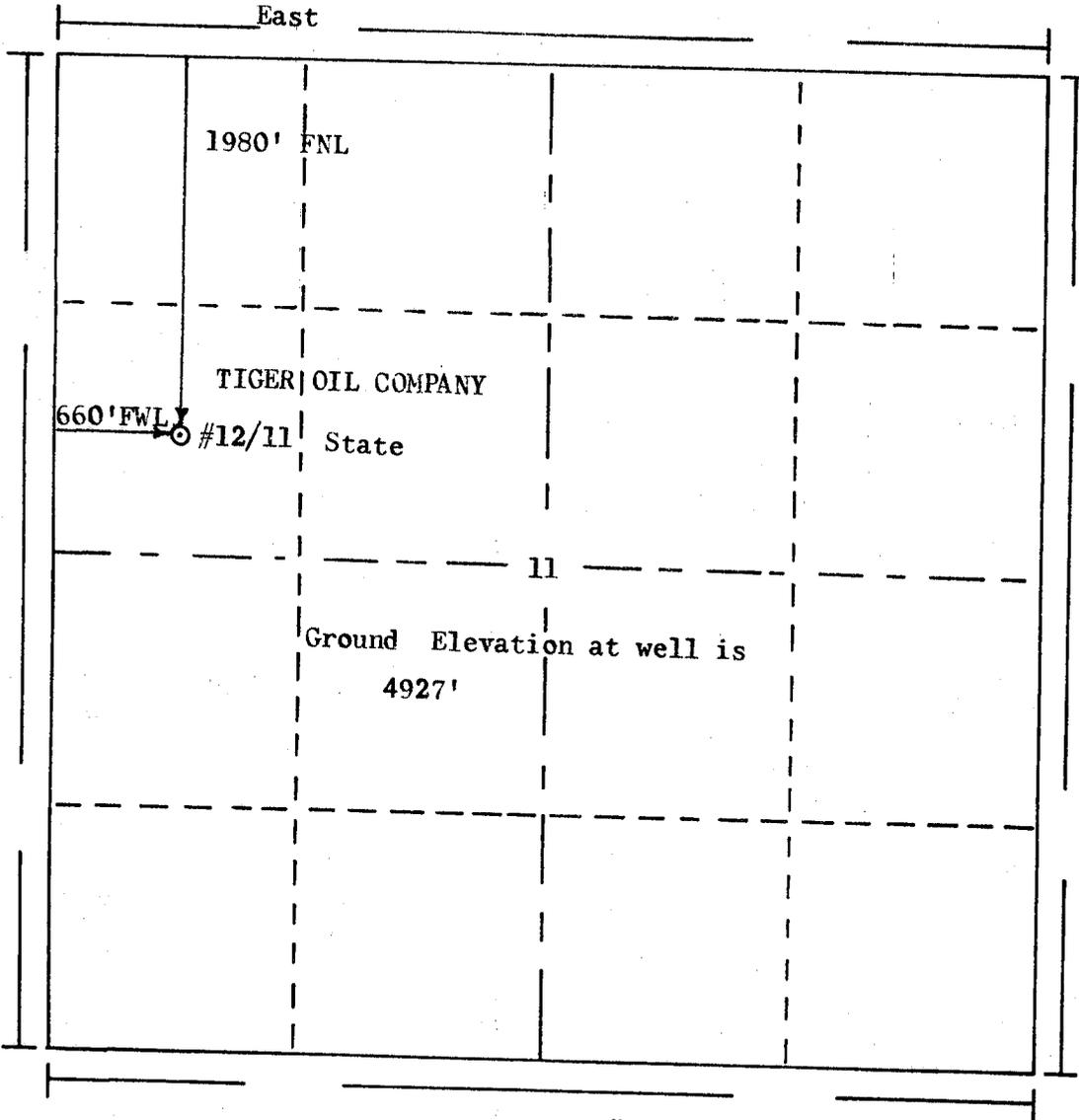
Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:



R. 20 E



Scale... 1" = 1000'

Powers Elevation Company, Inc. of Denver, Colorado
 has in accordance with a request from Harvey German
 for Tiger Oil Company
 determined the location of #12/11 State
 to be 1980' FNL & 660' FWL Section 11 Township 24 S
 Range 20 E of the Salt Lake Base and Meridian Utah
 Grand County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of
 #12/11 State

Date: 7/5/78

J. Nelson
 Licensed Land Surveyor No. LS 2711
 State of Utah

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date: Aug. 1-
Operator: Tiger Oil
Well No: State 12-11
Location: Sec. 11 T. 24S R. 20E County: Grand

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:

API NUMBER: 43-019 30455

CHECKED BY:

Administrative Assistant [Signature]
Remarks: No other wells - Tranchy also
Petroleum Engineer [Signature]
Remarks: [Signature]
Director [Signature]
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: [Signature] Survey Plat Required:
Order No. Surface Casing Change
to
Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site
O.K. Rule C-3 O.K. In Unit

Other:

Letter Written/Approved

August 1, 1978

Tiger Oil Company
Suite 1500
Five Greenway Plaza East
Houston, Texas 77046

Re: Well No. State 12-11
Sec. 11, T. 24 S, R. 20 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations. However, said approval shall be contingent upon your company filing the necessary drilling and plugging bond with the Division of State Lands.

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

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 43-019-30455.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: Division of State Lands

August 18, 1978

MEMO TO FILE

Re: Tiger Oil Company
State 12-11
Sec. 11, T. 24S, R. 20E
Grand County, Utah

This office was notified today that this well spudded-in on August 17, 1978. Tiger Drilling Co. Will be using their Rig #3.

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER
DIVISION OF OIL, GAS, & MINING

PLD/1w
cc: State Land Board
Ronald Joseph



October 11, 1978

State of Utah
Division of Oil, Gas and Minerals
1588 West Temple
Salt Lake, Utah 84116

Attention: Ms. Kathy Avila

Sirs:

This letter is in reference to my telephone conversation this date with Ms. Avila and concerns the status of the following wells that we are drilling in Utah at the present time.

State #12-11
Sec. 11, T 24 S - R 20 E
Grand County, Utah

Tiger Oil #41-15 Jack Curtis
Sec. 15, T 18 S R 7 E
Emery County, Utah

These wells are to be carried as tight until further notification to you by us.

Thank you for your cooperation in this matter. Should you have any questions, please call.

Very truly yours,

Philip W. Morrill
Philip W. Morrill

PWM/de



FILE IN QUADRUPPLICATE
FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: State 12-11
Operator: Tiger Oil Company Address: Suite 1500, Five Greenway Plaza East
Houston, Texas 77046
Contractor: Tiger Drilling Co., Inc. Address: Suite 1500, Five Greenway Plaza East
Houston, Texas 77046
Location SE 1/4 NE 1/4; Sec. 11 T. N, R. 20 E; Grand County.
24 S W

Water Sands:

	<u>Depth:</u>	<u>Volume:</u>	<u>Quality:</u>
	From- To-	Flow Rate or Head	Fresh or Salty
1.	<u>Recovered 3,942' of SW (GC) during DST #1 - 11,795-11,913'</u>		
2.	<u></u>		
3.	<u></u>		
4.	<u></u>		
5.	<u></u>		

(Continue on Reverse Side if Necessary)

Formation Tops:

Navajo	1,720'	Cedar Mesa	5,478'	Mississippian	11,620'
Chinle	2,545'	Cutler	5,945'	Devonian	12,085'
Moenkopi	3,395'	Hermosa	9,170'		

Remarks:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
(c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Dry Hole		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Tiger Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 1500, Five Greenway Plaza East, Houston, Texas 77046		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FNL & 660' FWL		8. FARM OR LEASE NAME State
14. PERMIT NO. 43-019-30455		9. WELL NO. 12-11
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 4,927'		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T24S, R20E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(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.)*

TD 12,357'

Received verbal approval 12/20/78 from Patrick L. Driscoll, Chief Petroleum Engineer, to plug and abandon as follows:

Set 60 sack cement plug at 11,722'

60 sacks	-	5,330-5,180'
150 "	-	1,075-925'
15 "	-	30'-3' below ground level

5,278' of 9-5/8" casing left in hole
13-3/8" surface casing set at 1,020' in Entrada.

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

SIGNED E. H. White TITLE Assistant Chief Engineer DATE 2/7/79

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

Release date: 5
July 24, 1979

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

State

9. WELL NO.

12-11

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 11, T24S, R20E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other P & A

2. NAME OF OPERATOR
Tiger Oil Company

3. ADDRESS OF OPERATOR
Suite 1500, Five Greenway Plaza East, Houston, Texas 77046

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

At surface 1980' FNL & 660' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

43-019-30455

7/11/78

15. DATE SPUDDED

8/17/78

16. DATE T.D. REACHED

12/22/78

17. DATE COMPL. (Ready to prod.)

P & A 12/24/78

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

GR 4,927'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

12,357'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN Continuous Dipmeter, Caliper, Dual Induction-Laterolog, Borehole Compensated Sonic, Directional,

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5	1,020	17 1/2"	660 sx. HOWCO LW + 200 sx. Regular	None
9-5/8"	40-36	6,328	12 1/4"	100 sx. HOWCO LW + 300 sx. Class "B"	1,050'

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

E. H. White
E. H. White

TITLE

Assistant Chief Engineer

DATE

2/9/79

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency 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, area, 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. See instructions on items 22 and 24, and 38, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	
					TRUE VERT. DEPTH	
Mississippian	11,620'	12,085'	<u>TIGHT INFORMATION</u> DST 11795-11913'. Op. 1 hrs. SI 1 hr. Op. 1 hr. SI 1 hr. Rec. 180' mud (slightly wtr. cut), 465' wtr. (slightly mud cut), & 3,942' SW (GC). IFF 122 - FFP 2228 - SIP 4785	Navajo Chinle Moenkopi Cedar Mesa Cutler Hermosa Mississippian Devonian	1,720 2,545 3,395 5,478 5,945 9,170 11,620 12,085	