

**COUNTY:** **BON HOMME**  
**LEGAL LOCATION:** **SWSW 8-93N-59W**  
**API NO:** **40 009 05000**  
**PERMIT NO:** **71**  
**WELL NAME:** **ISAAC-BYRNE NO. 1**  
**OPERATOR:** **BON-OIL EXPLORATION  
COMPANY**  
**PERMIT ISSUED:** **11/06/1952**  
**PERMIT CLOSED:** **08/28/1953**  
**FILE LOCATION:** **93N-59W-8 SWSW**

**TARGET CODES:**

**WELL HISTORY / CHECKLIST**

**PERMIT TO DRILL / INTENT TO DRILL**

**WELL INSPECTION / SCOUT REPORTS**

**OPERATOR'S TECHNICAL REPORTS / MAPS**

**ADMINISTRATIVE / SUNDRY REPORTS**

**CORRESPONDENCE**

**MISCELLANEOUS**

# **WELL HISTORY / CHECKLIST**

NO WELL HISTORY OR  
CHECKLIST FOR THIS WELL  
AS OF 5/10/2011

**PERMIT TO DRILL /  
INTENT TO DRILL**

State of South Dakota  
State Oil and Gas Board

PERMIT TO DRILL FOR OIL AND GAS OR TEST OR STRATIGRAPHIC WELL

Pursuant to Notice heretofore given and filed with said board as required by law, authority is hereby granted to..... **BON-OIL EXPLORATION COMPANY**..... of **Tyndall, South Dakota**..... to drill a well for (oil and gas) (~~Stratigraphic well~~) of **Tyndall** City **South Dakota** State upon the lands situated in..... **Bon Homme County**..... ~~County~~ South Dakota and described as follows: **ISAAC & BYRNE NO. 1, on Section 8, Township 93N, Range 59W, Wild Cat Field, Bon Homme County, South Dakota.**

This permit is granted upon the express representations contained in said Notice of Intention to Drill and upon the following information:

The exact location of the well to be drilled is **.283.8 feet North and 343.6 feet East from SW Corner of SW 1/4 of Section 8, Township 93N, Range 59W, Wild Cat Field, Bon Homme County, South Dakota**

The name and address of the owner is.....  
.....

The names and addresses of the operators, contractor or driller is... **Operator-Bon-Oil Exploration Company, Tyndall, South Dakota; Contractor and Driller-Great Northern Drilling Co., New Castle, Wyoming.**

That the names and addresses of all other persons responsible for the conduct of drilling operations are:

**H. C. Callsen**..... **Tyndall, South Dakota**.....  
.....  
.....

This permit is issued pursuant to Chapter 153 of the Session Laws of South Dakota for 1943 and all laws amendatory, relevant or supplemental thereto and upon the express condition that the person to whom issued shall at all times be subject to the rules and regulations heretofore or hereafter promulgated by the board.

Dated at Pierre, South Dakota this **6th** day of **November** A. D., 19 **52**

which permit shall require **Bon-Oil Exploration Company, Tyndall, South Dakota, to furnish to Dr. E. P. Rothrock, State Geologist, a complete set of cuttings.**

STATE OIL AND GAS BOARD

ATTEST:

*Kyle P. Young*  
Ass't Secretary

*Signe Anderson*  
Governor, Ex Officio Chairman  
*by Bert Tellefsen*  
Ex. Sec.

STATE OIL AND GAS BOARD

Pierre, South Dakota

November 6, 1952

The State Oil and Gas Board met in the Governor's Reception Room at 11:00 o'clock A. M., November 6, 1952.

PRESENT: Bert Tollefson, Jr., Executive Secretary to Governor Anderson; Ralph A. Dunham, Attorney General; Theodore Mehlhaf, State Treasurer; Lawrence E. Mayes, State Auditor; Bernard Linn, Commissioner of School and Public Lands; Kate P. Young, Assistant Secretary.

The meeting was called to order by Mr. Tollefson.

Mr. Tollefson presented Notice of Intention to Drill for Oil and Gas, dated November 5, 1952, filed by Bon-Oil Exploration Company, Tyndall, South Dakota, covering the Isaac & Byrne No. 1, located on Section 8, Township 93N, Range 59 W, Wild Cat Field, Bon Homme County, South Dakota.

The well is located 283.8 feet North and 343.6 feet East from SW corner of SW $\frac{1}{4}$ , Section 8, Township 93N, Range 59W, Wild Cat Field, Bon Homme County, South Dakota. Said well is covered by bond in the amount of \$1,000.00 executed by the Western Surety Company as Surety and check for \$25.00. It was moved by Mr. Mayes and seconded by Mr. Mehlhaf that the application be approved and permit issued, which permit shall require Bon-Oil Exploration Company of Tyndall, South Dakota, to furnish to Dr. E. P. Rothrock, State Geologist, a complete set of cuttings.

All voted "aye" and motion carried.

There being no further business the meeting adjourned.

Bert Tollefson, Jr.  
Executive Secretary to Governor Anderson

Kate P. Young  
Secretary

State of South Dakota  
State Oil and Gas Board

NOTICE OF INTENTION TO DRILL FOR OIL AND GAS

Pierre, South Dakota, November 5, 19 52

STATE OIL AND GAS BOARD

Pierre, South Dakota

In compliance with Chapter 153 Session Laws 1943 and all laws amendatory, relevant, or supplemental there-  
to and Rules and Regulations of the Oil and Gas Board, notice is hereby given that it is our intention to  
commence the work of drilling oil and gas well Isaac & Byrne  
(Name, if any)

No. 1, on Section 8, Township 93N, Range 59W, Field Wild Cat

County of Bon Home Lease consists of 160 Acres and other lands

Name and address of owner \_\_\_\_\_

Name and address of operator Bon-Oil Exploration Company- Tyndall, S. D.

Name and address of contractor Great Northern Drilling Co. New Castle, Wyo.

Name and address of driller same

Name and address of any other person responsible for the conduct of drilling operations \_\_\_\_\_

H. C. Callsen, Tyndall, S. D.

The well is 283.8 feet North ~~of section~~, and 343.6 feet East ~~of section~~ from

*Callsen  
H. C. Callsen  
in this  
location*

SW corner of SW 1, Section 8, Township 93N, Range 59 W

(Give location in distance from section corners of legal subdivision)

The elevation of the ~~surface~~ ground above sea level is 1320 feet.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 800 feet.

We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing Inches	Weight, Lb. Per Foot	Grade & Type	Depth	Landed or Cemented
10 In. I.D	20 lbs	B	150 to 270 Ft.	Cemented
7 In ID	17 lbs	B	From top of 800 to 1200 to top of oil or gas sand if discovered	Cemented

Well is to be drilled with ~~rotary~~ rotary tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address Tyndall, S. D. Bon-Oil Exploration Company  
Name of owner, operator, driller or contractor

Telephone number 266 H. C. Callsen, Vice & Gen. Mgr.  
Signature of operator

*OK 11/5/52  
[Handwritten initials]*

**WELL INSPECTION /  
SCOUT REPORTS**



STATE GEOLOGICAL SURVEY

Scout Report

Date scouted July. 31/August 1, 1953

Designation of well... Ben. Oil-Isaacs. and. Byrne.....

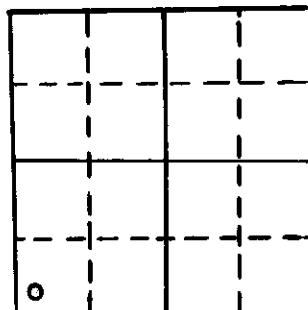
Owner..... Ben. Oil. Exploration. Company.....

Location: Sec. 8 T. 93 N R. 59 W ..... Ben. Homme..... County, S. D..

Total Depth... 876..... feet

Casing Record:

" ft. 4 1/2 " ft.
10 3/4 150 ft. 4 " ft.
cemented
8 " ft. " ft.
6 " ft.



Work in progress at time of visit:

- Plugging: 0- 2 soil
2- 30 cement plug 15 sacks
30-515 drill mud
515-565 cement plug 17 sacks
565-700 drill mud
700-750 cement plug 17 sacks
750-876 drill mud

Developments since last visit:

None
Well stood idle and open all winter.

REMARKS AND RECOMMENDATIONS:

After 1st plug was placed in Fuson formation, drillers inadvertently thinned mud and heavy artesian flow broke out sending water 20' into the air.

This flow was killed with a bentonite and baroid heavy mud and plugging continued.

Circulation lost into Niobrara Chalk or Codell sand was never fully recovered.

Scouted by: [Signature]

E. P. Rothrock
State Geologist

STATE GEOLOGICAL SURVEY

Scout Report

Date scouted. 3/26/53....

Designation of well... Issac-Olson.....

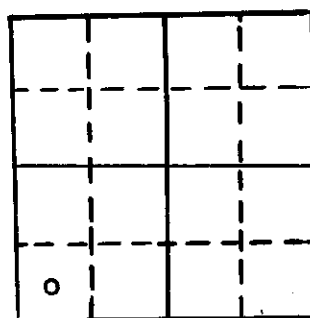
Owner..... Bon. Oil. Exploration. Company.....

Location: Sec. \_\_\_\_\_ T. \_\_\_\_\_ S R. \_\_\_\_\_ E W .. Bon. Homme .....County, S. D..

Total Depth..... feet

Casing Record:

" \_\_\_\_\_ ft.      4½ " \_\_\_\_\_ ft.  
 10 " \_\_\_\_\_ ft.      4 " \_\_\_\_\_ ft.  
 8 " \_\_\_\_\_ ft.      " \_\_\_\_\_ ft.  
 6 " \_\_\_\_\_ ft.



Work in progress at time of visit:

Mud pits filled and leveled off  
 About 18 inches of the surface pipe sticking above ground with  
 old bucket for a cap. One can see the water about 100 feet  
 down in hole.

Developments since last visit:

REMARKS AND RECOMMENDATIONS:

Fourteen (14) sacks of stuff (cement?) piled by well. All  
 labels are washed off of sacks so it is impossible to  
 tell what is in them.

Scouted by: ...Bruno. C. Petsch.....

Handwritten signature of Bruno C. Petsch.

STATE GEOLOGICAL SURVEY

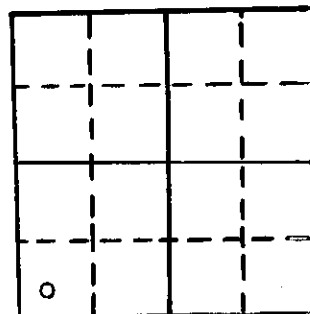
Scout Report

Date scouted 2/10/53

Designation of well... Bon Oil - Isaacs & Byrne
Owner... Bon-Oil Exploration Company
Location: Sec. 8 T. 93 N R. 59 E .. Bon Homme County, S. D.
Total Depth.. 900. plus .. feet Altitude: 1362 feet

Casing Record:

4 1/2 " ft.
10 " ft.
8 " ft.
6 " ft.



Work in progress at time of visit:

Rotary rig has been moved from location.
Hole not plugged.

Developments since last visit:

None.

REMARKS AND RECOMMENDATIONS:

I intended to inform Mr. H. C. Callsen, General Manager, that he apply to the Oil and Gas Board for an extension of time as the Bon Oil has suspended drilling. Mr. Callsen is now in Dequincy, La., and does not expect to return until March 1, 1953. Mr. Callsen has been told to apply for an extension of time, but failed to do so.

The hole is open. There are 46 twenty-one foot lengths of 6" casing and 16 bags of drilling mud (bentonite) and 2 bags of cabrachi at the well.

Water is standing in the hole, about 25 feet below surface.

Scouted by: R. E. Curtiss, Geologist

Handwritten signature of R. E. Curtiss

STATE GEOLOGICAL SURVEY

Scout Report

Date scouted Nov. 7, 1952

Designation of well... Bon Oil- Isaacs & Byrne # 1

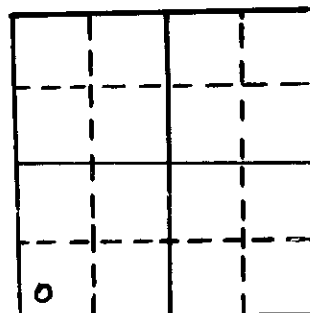
Owner.....

Location: Sec. 8 T. 93 N R. 59 W Bon Homme County, S. D.

Total Depth..... None... feet

Casing Record:

4 1/2 " ft.
10 " ft.
8 " ft.
6 " ft.



Work in progress at time of visit:

Hauling in and setting up rig.
Using Failing portable type rotary.
Mast up and tools around.
100 ft. of 10 3/4" casing on racks to be used for surface pipe.
1380 ft. of 3" drill pipe also on rack.

Developments since last visit:

3 mud pits dug

REMARKS AND RECOMMENDATIONS:

Drilling outfit belongs to Great Northern Drilling Company of Newcastle, Wyoming.

Scouted by: E. P. Rothrock

E. P. Rothrock
State Geologist

STATE GEOLOGICAL SURVEY

Scout Report

Date scouted Nov. 29, 1952

Designation of well... ~~Bon. Oil. r. Isaacs & Byrne~~ .....

Owner... ~~Bon. Oil. Exploration Co.~~ .....

Location: Sec. 8 T. 93 <sup>N</sup> <sub>S</sub> R. 59 <sup>E</sup> <sub>W</sub> ..... Bon. Homme ..... County, S. D..

Total Depth... 900 plus.. feet *Altitude - 1362*

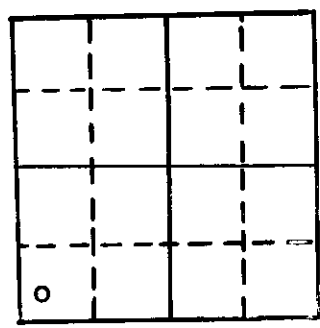
Casing Record:

" ..... ft. 4 1/2 " ..... ft.

10 " ..... ft. 4 " ..... ft.

8 " ..... ft. " ..... ft.

6 " ..... ft.



Work in progress at time of visit:

Moving rotary rig from location

Hole not plugged.

Developments since last visit:

REMARKS AND RECOMMENDATIONS:

Intend to case hole to bottom and let it set till cable tool rig can be installed with which to break through the quartzite.

I informed Mr. Callson that he should apply to the Oil and Gas Board for an extension of time if he was going to suspend drilling temporarily.

Phone call to H. C. Callson

Scouted by:..... *[Signature]*

State Geologist

**OPERATOR'S  
TECHNICAL  
REPORTS / MAPS**

BON OIL - ISAACS AND BYRNE #1

Location: SW $\frac{1}{4}$  SW $\frac{1}{4}$  Sec. 8, T. 93 N., R. 59 W.,  
BON HOMME COUNTY

Owner: Bon-Oil Exploration Company, Tyndall, S. Dak.  
Contractor: Great Northern Drilling Company, Newcastle, Wyo.  
Commenced: November 8, 1952  
Completed: November 24, 1952  
Altitude: 1372'-Ground  
Total Depth: 876'

Logged by: E. J. Bolin, 1954, from cuttings and electric log.  
Remarks: Dry hole, plugged and abandoned. Colors and symbols from Nat'l. Research Council Rock Color Chart, 1948. Sioux quartzite was reported by driller and is indicated on electric log at 852', however, none was recovered in cuttings. For some unknown reason the cuttings run higher than the electric log for some intervals.

Formation Tops

Cretaceous System	
Niobrara formation	
Carlile shale	190'
Greenhorn formation	420'
Graneros shale	505'
Dakota sandstone	638'
Fuson shale	662'
Lakota sand	742'
Pre-Cambrian	
Sioux formation	852'

Detailed Description of Cuttings

- 0- 130 No cuttings.
- 130- 190 Niobrara - Very light gray (N8), soft chalky marl with a little fine grained pyrite and small mica flakes. Shell fragments and Inoceramus prisms at 160'-170'.
- 190- 200 Carlile - Chiefly light gray (N7), fine to medium, slightly micaceous sandstone with a little calcareous cement, probably Codell sandstone member, a little medium gray (N5) shale and some limy claystone concretion fragments.
- 200- 210 Medium gray (N5), finely micaceous silty shale.

- 210- 240 No cuttings.
- 240- 250 Dark yellowish brown (10YR4/2) hard siltstone and very fine to fine, silty sandstone with mica, pyrite, and glauconite.
- 250- 260 Medium gray (N5) shale with a little pyrite, some fish bone fragments and black phosphate grains.
- 260- 280 Very fine grained, angular, calcareous sandstone with a little pyrite and mica.
- 280- 290 Moderate yellowish brown (10YR5/4) claystone.
- 290- 300 Medium light gray (N6) dense, argillaceous limestone, and medium gray (N5) shale.
- 300- 380 Medium gray (N5) and medium light gray (N6), finely micaceous shale, some fine pyrite, claystone concretion fragments from 310'-360'.
- 380- 410 Shale as above with some poorly sorted sand, becomes finer downwards.
- 410- 420 Greenhorn, electric log top at 420' - Medium gray (N5) silty marl with small, white chalk spots, Inoceramus prisms.
- 420- 440 Inoceramus prisms very abundant, a little fragmental limestone, shell fragments.
- 440- 460 Chalk spotted marl, chalk spots larger and more abundant than above, Inoceramus prisms.
- 460- 480 Medium light gray (N6) argillaceous limestone, and fragmental limestone, Inoceramus prisms, Globigerina.
- 480- 490 Medium light gray (N6) to light gray (N7) chalky marl, fish fragments, Inoceramus prisms.
- 490- 500 Medium gray (N5) chalky marl, and much fragmental limestone with Globigerina and Inoceramus prisms.
- 500- 510 Graneros, electric log top at 505' - Medium gray (N5), silty and calcareous, fissile shale with plant fragments.
- 510- 520 Shale as above with some micaceous, glauconitic, very fine to fine sandstone with lignite fragments and Inoceramus prisms.
- 520- 530 Medium gray (N5) shale, and moderate yellowish brown (10YR5/4), micaceous, glauconitic, lignitic, sandy claystone with much pyrite.
- 530- 540 Medium dark gray (N4) lignitic clay with some sandy claystone as above.
- 540- 550 Medium light gray (N6) and light gray (N7) finely micaceous shale, some glauconitic sand with much pyrite cement, and a little very light gray (N8) micaceous siltstone.
- 550- 570 Medium gray (N5) to light gray (N7) shale, moderate yellowish brown (10YR5/4) claystone concretions, and a little vitreous coal.
- 570- 590 Much yellow brown fine sandstone with mica, glauconite, and lignite.
- 590- 690 No cuttings Dakota on electric log from 638'-662'.



- 690- 700 Fuson, electric log top at 662' - Medium light gray (N6) shale, some vitreous coal.
- 700- 710 Shale as above and fine to medium loose sand and sandstone with pyrite, abundant yellow-brown, rounded Fe-Mn pellets, some coal.
- 710- 720 Varicolored, dusky red (5R3/4) and medium light gray (N6) clay, abundant large, warty Fe-Mn pellets.
- 720- 730 Medium light gray (N6) fissile shale, much vitreous coal and numerous Fe-Mn pellets.
- 730- 750 Lakota, electric log top at 742' - Medium grained loose sand, occasional grains to pebble size.
- 750- 780 Fine to medium, angular to subrounded sand, some grains to pebble size.
- 780- 810 Medium gray (N5) shale with a little medium sand.
- 810- 820 Shale as above with much poorly sorted, fine to very coarse, sand.
- 820- 830 Poorly sorted sand, some pebble sized grains, some poorly sorted, lignitic sandstone.
- 830- 860 Grit, fine to very coarse sand and pebble sized quartz grains, some pale pink, larger grains are subangular and pitted.
- 860- 870 Fine to medium, subangular to rounded sand, some pink grains.
- 870- 880 Poorly sorted sand, some pink grains, some hard sandstone with much pyrite, abundant fragments of hard, siliceous claystone concretions.
- 876 Total Depth.

Bon Oil - 35 acre + Bayside

11/7/52

Hauling in rig + setting up

1/2 collar

3 mud pits dug

3 lengths (100') 10" casing on rack  
lengths

Ext in Bally Co Newcastle

El. runs with barometer late in evening.

1370

El from sun rays.

1360

Location SW cor Sec 8 T93N R19W  
Bon Homme Co

Owner Bon Oil Exploration Co

Send Bob

{ Pick up road all to Bob.  
2 extra student rods.

Tests for spill traps.  
number strip, sounder  
green gun.

9/30/57

10	2'	150x
8" hole	3.1516	1/50x
7" "	4.1152	ft/50x
16	5.6022	ft/50x
ST	8.0645	ft/50x
41	12.6422	ft/50x

50 ft/day  
17 ST  
12

Clear out mud.

2 3/8 OD Drill pipe.

1 bit = 257 ft

$$\begin{array}{r} 257 \overline{) 700} \\ \underline{514} \\ 186 \end{array}$$

$$\begin{array}{r} 257 \overline{) 550} \\ \underline{514} \\ 36 \end{array}$$

$$\begin{array}{r} 750 \\ 62 \\ \hline 20 \overline{) 125} \\ \underline{120} \\ 50 \\ \underline{40} \\ 100 \\ \underline{80} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

Wet ft: ~~113~~ 111

$$\begin{array}{r} 560 \\ \underline{500} \\ 60 \\ \underline{50} \\ 10 \\ \underline{10} \\ 0 \end{array}$$

$$\begin{array}{r} 257 \overline{) 510} \\ \underline{257} \\ 253 \\ \underline{257} \\ 0 \end{array}$$

Bon Oil - Isaacs  
Prepared Plugging

7/31/53

2 - 32

0 30

15.54

625 575

14.54

730 700

19.54

49

Plugging as done

Plug #1 730 700

8 bbl - water tank

5x cement ~~|||||~~ ~~|||||~~

2 1/2 bbls.

Plug #2 ~~565~~ ~~515~~  
~~625~~ ~~575~~

Remove 7 30' j's

~~|||||~~ 550 all Kelly 565

Cement ~~|||||~~ ~~|||||~~

2 bbls mud for chases

only slight circulation

Note: - After setting Plug #1 fresh water  
came in with strong enough flow  
to shoot stream 20' in air

Killed with hardid + bentonite  
mud but never got good returns from  
mud on plug #1.

Mud + cement apparently ok.

## Setting Surface Plug.

Plug of wood with ball of burlap forced into hole 30 ft. (kelly  $\frac{2}{3}$  of joint).

Paper cement sack rolled into cylinder + pushed into hole for bridge

Bags stuck tight + drill stem went thru them. Put in 2' length of 6 X 8 which was driven down. Bridge quite tight

Mud pumped out by replacing with clean water. + cement dumped from bags into hole full of water

~~XXXX~~

No marker set  
Carry out off 2' below ground  
Peeckham wants log

Well;- ~~Star~~ Bon Oil - 950000 Byrnes.

Location;- Sec 8 T 95-59 Bon Homme. 2

Cap plug checked;- 8/1/53

Geologists log received;-

Schlumberger log received;- Fall 1953

Radioactive log received;-

Cuttings received;- 8/1/53

Plugging affidavit signed;-

**ADMINISTRATIVE /  
SUNDRY REPORTS**



State of South Dakota  
State Oil and Gas Board

STATE OF SOUTH DAKOTA }  
County of Bon-Homme } ss.

WELL PLUGGING AFFIDAVIT

H. C. Calksen AND Dr. E. P. Rothrock  
being first duly sworn, do depose and say the following is a true and correct statement of the details of the plugging of a certain well drilled for Oil & Gas

(Indicate whether for oil, gas, water or other purposes)  
known as the Isaac & Byrne Number 1 and located  
as follows: 283.8 feet North; — feet South; — feet East; 343.6 feet West  
of the S.W. corner of the — Quarter of the S.W. Quarter of the — Quarter of Section 8, Township 93 (North or South) Range 59  
(East or West), of the — Principal Meridian, Bon-Homme County, South Dakota.  
Elevation of well above sea level is 1372 feet.  
Elevation taken at Ground  
(Derrick floor or Ground)  
Total depth of well is 876 feet. Date permit to drill issued Nov. 6, 1952

Permit issued to Bon-Oil Exploration Co.  
Date drilling begun Nov. 8, 1952  
Date drilling completed Nov. 24, 1952  
Kind of drilling tools used Rotary  
Date plugging begun July 30, 1953  
Date plugging completed July 31, 1953  
Lessor Isaac & Byrne Address Tyndall, S.D.  
Lessee H. C. Calksen Address DeQuincy, La.  
Drilling Contractor Great Northern Dr. Co. Address New Castle, Wyo.

DETAILS OF PLUGGING

Filled with <u>Oil</u>	From <u>0</u>	To <u>21</u>	feet
Kind of Plug <u>Cement</u>	From <u>2</u>	To <u>32</u>	feet
Filled with <u>Drill Mud</u>	From <u>—</u>	To <u>515</u>	feet
Kind of Plug <u>Cement</u>	From <u>—</u>	To <u>565</u>	feet
Filled with <u>Drill Mud</u>	From <u>565</u>	To <u>740</u>	feet
Kind of Plug <u>Cement</u>	From <u>740</u>	To <u>775</u>	feet
Filled with <u>Drill Mud</u>	From <u>775</u>	To <u>876</u>	feet
Kind of Plug <u>—</u>	From <u>—</u>	To <u>—</u>	feet
Other details <u>—</u>			

If a producing well, give date and amount of last production

CASING RECORD

Size	PUT IN WELL		PULLED OUT		LEFT IN WELL		Remarks
	Feet	Inches	Feet	Inches	Feet	Inches	
<u>10"</u> <u>I.D.</u>	<u>100</u>	<u>0</u>	<u>None</u>		<u>100</u>	<u>0</u>	

Bon-Oil Exploration Co.  
(Signature of person, firm or corporation having custody or control of well)  
Per H. C. Calksen, Mgr.  
Address DeQuincy, La.

(Signature and title of party supervising plugging of well)  
Address —

Subscribed and sworn to before me this 28<sup>th</sup> day of August, A. D., 1953  
My commission expires June 1, 1954

[Signature]  
Notary Public

Approved  
E. P. Rothrock

STATE OIL AND GAS BOARD

Pierre, South Dakota

September 14, 1953

The State Oil and Gas Board met in the Governor's Reception Room at 3:00 o'clock P.M., September 14, 1953

PRESENT: Bert Tollefson, Jr., Executive Secretary to Governor; John R. Donahue, Deputy State Treasurer; Phil Saunders, Assistant Attorney General; James O. Gilkerson, Deputy State Auditor; Bernard Linn, Commissioner of School and Public Lands; Geraldine Ostroot, Secretary of State.

The meeting was called to order by Mr. Tollefson.

Miss Ostroot, Secretary of the Board presented to the Board Notice of Intention to Abandon the Isaac & Byrne No. 1, located on Section 8, Township 93N, Range 59W, Bon Homme County, South Dakota, together with Well Plugging Affidavit of said well. After a short discussion it was moved by Mr. Linn and seconded by Mr. Donahue that the Well Plugging Affidavit and Notice of Intention to Abandon the Isaac & Byrne No. 1, located 283.8 feet North and 343.6 feet East from SW corner of SW $\frac{1}{4}$  of Section 8, Township 93N, Range 59W, Bon Homme County, South Dakota, be approved and the liability under bond executed by Western Surety Company, Sioux Falls, South Dakota, as Surety and Bon-Oil Exploration Company, Tyndall, South Dakota as Principal in the amount of \$1,000.00 conditioned upon compliance with the law and rules and regulations of the Oil and Gas Board concerning wells to be drilled in Bon Homme County, South Dakota be, and the same is hereby terminated and at an end from and after this date, and the bond of Bon-Oil Exploration Company, given in connection with the drilling of said well, be released.

All voted "aye" and motion carried.

BERT TOLLEFSON, JR.  
EXECUTIVE SECRETARY TO GOVERNOR

GERALDINE OSTROOT  
SECRETARY



State of South Dakota  
State Oil and Gas Board

NOTICE OF INTENTION TO ABANDON WELL

Oil & Gas Wildcat  
(Oil and Gas) (Stratigraphic)

Tyndall, South Dakota, July 29, 1953

STATE OIL AND GAS BOARD

Pierre, South Dakota

In compliance with Chapter 153 Session Laws 1943 and all laws amendatory, relevant, or supplemental thereto and Rules and Regulations of the Oil and Gas Board, notice is hereby given that it is our intention to abandon well Isaac & Byrne

(Name, if any)

Number 1, Section 8, Township 93 N  
Range 59W, Field Wildcat, County of Bon-Homme  
commencing work on the 30 day of July, 1953

The present condition of the well is as follows:

- 1. Complete casing record.

100' 10" I.D. cemented

- 2. Last produced

None

Date

Net Oil

Gravity

Cut

The proposed work is as follows:

Bon-Oil Exploration Co.  
(Name of Operator)

By N. B. Balksen Gen. Mgr.

# **CORRESPONDENCE**



COPY

original with Rocky-Ridge-  
Hale Well # 1, Miner County

September 18, 1953

Miss Geraldine Ostroot  
Secretary of State  
State Capitol  
Pierre, South Dakota

Dear Miss Ostroot

I have your letter of September 15 asking about logs and core records on the Rocky Ridge-Hale Test in Miner County and the Bon Oil-Isaak well in Bon Homme County. Neither of these operators had a geologist on the job and all we got was the electric log which we ran with our own instrument and a set of cuttings which were mostly drilling mud. From these we will make out a log eventually but no log was filed by the company and I do not think one can be, since they really do not know what they penetrated. The first of these kept a drillers record and I have that in my notebook but the Bon Oil well was drilled by water well drillers who kept no kind of daily report sheet. ?

When we have had time to wash out and work over the samples and compare them with our electric log we will have logs of these wells which we can send you. However, I think it is useless to try to get such records from these operators. If I can do anything else to help you clear up your records on these wells I will be glad to do so.

Very truly yours,

E. P. Rothrock  
State Geologist

ER/bl



August 31, 1953

Miss Geraldine Ostroot  
Secretary of State Oil and Gas Board  
State Capitol  
Pierre, South Dakota

Dear Miss Ostroot:

Enclosed please find the Notice of Intention to Abandon and Well Plugging Affidavit for the Bon Oil-Isaak and Byrne No. 1 in section 8, township 93-59, Bon Homme County. I believe this takes care of everything on this well and the bond can be released.

Very truly yours,

E. P. Rothrock  
State Geologist

ER/bl

enc.



August 31, 1953

Mr. H. C. Callsen  
Clark, South Dakota

Dear Mr. Callsen:

I have received the Notice of Intention to Abandon and Well Plugging Affidavit of the Bon Oil-Isaak and Byrne No. 1 test in Bon Homme County and am forwarding them immediately to the Secretary of the State Oil and Gas Board. Thank you for taking care of this matter, I am,

Very truly yours,

E. P. Rothrock  
State Geologist

ER/bl



August 17, 1953

Miss Geraldine Ostroot  
Secretary of State  
State Capitol  
Pierre, South Dakota

Dear Miss Ostroot:

Enclosed please find Notice of Intention to Abandon and the approved Well Plugging Affidavit for Bon-Oil-Isaak and Byrne No. 1 drilled in section 8, township 93-59, Bon Homme County. We have the cuttings on this well and this affidavit completes the Oil Boards requirements as far as I know. So far as the well is concerned the bond can be released.

Very truly yours,

E. P. Rothrock  
State Geologist

ER/bl

enc.



August 17, 1953

Mr. H. C. Callsen  
DeQuincy, Louisiana

Dear Mr. Callsen:

I am returning a copy of the Plugging Affidavit and Notice of Intention to Abandon of the Bon-Oil-Isaac and Byrne Well. The state wants only two of these records and I thought you might want to keep the other in your files. Thanking you for this co-operation, I am,

Yours very truly,

E. P. Rothrock  
State Geologist

ER/bl

enc.



August 17, 1953

Mr. H. C. Callsen  
Clark, South Dakota

Dear Mr. Callsen:

I have your letter of August 14 and am returning the Well Plugging Affidavit forms for a notary's signature.

We have no one in Vermillion who knows your signature sufficiently well to affix the notary seal. We want only two copies. The other one is for you. If you will have two of these notarized and return to me, I will be glad to forward one copy to Miss Ostroot for the Oil Board's files and keep one for ours. I am returning the fifty cents you enclosed for notary fees.

Very truly yours,

E. P. Rothrock  
State Geologist

ER/bl

enc.



August 4, 1953

Mr. H. C. Callsen  
Clark, South Dakota

Dear Mr. Callsen:

Enclosed please find the Notice of Intention to Abandon and the Well Plugging Affidavit which you made out and which I have approved. I have sent one copy to the Secretary of the State Oil and Gas Board and kept two for our files. The third I am enclosing for your files.

We usually need only three but I note you made out four. If you want another copy of each I will send you the extra one we have. Otherwise I will keep it in our files.

Thanking you again for your co-operation in this drilling, I am,

Yours very truly,

E. P. Rothrock  
State Geologist

ER/bl

enc. (2)



Clark, S. Dakota  
7-17-'53

Dr. E. P. Rothrock  
Vermillion, S. D.

Dear Dr. Rothrock: -

I enclose all 4 copies of  
intention to plug &  
plugging affidavit.

Where it says "Total depth of  
well" I left it blank. If  
something has to be put  
there - please do so.

Where it says "County of -"  
please put in the one it  
should be - likely it should  
be Day as that is domicile  
of company.

Sincerely yours.

N. B. Galtner  
P.S. Temp. address Clark, S. D.

STATE OIL AND GAS BOARD

Pierre, South Dakota

June 18, 1953

The State Oil and Gas Board met in the Governor's Office at 3:00 P. M., June 18, 1953.

Miss Ostroot presented the following letter from L. B. Mueller, Secretary, Bon-Oil Exploration Company, Tyndall, South Dakota:

"MUELLER'S HATCHERY  
L. B. Mueller, Proprietor  
Baby Chicks-Feeds Phone 266  
Remedies-Supplies

TYNDALL, S. Dak.

April 29, 1952

Miss Geraldine Ostroot  
Secretary of State  
Pierre, S. Dak.

Dear Secretary:

The officers of the Bon-Oil Exploration Company have instructed me to write to you in regard to our well known as the Isaak-Byrne No. 1.

This well was drilled late in 1952 to a depth of nearly 900 feet. The rig was moved off early in 1953. The well was not plugged because the company thought that perhaps it would be wise to make another attempt to drill deeper.

A deal was made just recently with Mr. A. A. Potter, Denver, Colorado to turn this well over to him along with some acreage provided he moved a rig on and does some drilling. If Mr. Potter makes another attempt and decides to abandon the well then he is to plug it.

Whereas the drilling for oil requires a great deal of preparation and whereas it does not appear that this shallow well would be harmful unplugged, we the officers, acting in the interest of our investors, are asking for an extension of times before this well must be plugged.

Since times goes by so rapidly in the oil exploration business an additional 60 days would help. However, 90 days would give us a better opportunity. Therefore, we are suggesting a 90 day extension. Such an extension would be appreciated not only by the officers but also by our investors.

Yours truly,

Bon-Oil Exploration Co.  
L. B. Mueller, Secretary  
L. B. MUELLER/s/"

LBM/mo

After a short discussion it was moved by Mr. Mayes and seconded by Mr. Melhaf that the Bon-Oil Exploration Company be granted an extension as requested, up to and including August 1, 1953.

All voted "aye" and motion carried.

There being no further business the meeting adjourned.



November 8, 1952

Miss Geraldine Ostroot  
State Oil and Gas Board  
State Capitol  
Pierre, South Dakota

Dear Miss Ostroot:

I have your letter of November 6 containing the minutes of the Oil Board and the copy of the permit to drill the Bon-Oil - Isaac & Byrne No. 1 near Springfield in Bon Homme County.

I visited the spot Saturday afternoon and found the rig was being hauled in and set up. You have received a scout report on this. I will take care of the scouting and will report to you as drilling proceeds.

Very truly yours,

E. P. Rothrock  
State Geologist

EPR/jn



STATE OF SOUTH DAKOTA  
DEPARTMENT OF STATE  
PIERRE

GERALDINE OSTROOT  
SECRETARY OF STATE

November 6, 1952

KATE P. YOUNG  
ASSISTANT SECRETARY

Dr. E. P. Rothrock  
State Geologist  
State University  
Vermillion, South Dakota

Dear Dr. Rothrock:

You will find enclosed a copy of the minutes of the State Oil and Gas Board held today together with Notice of Intention to Drill for Oil and Gas and Permit issued the Bon-Oil Exploration Company of Tyndall, South Dakota.

Very truly yours,

GERALDINE OSTROOT  
Secretary of State

vmt  
Enc/



Blank  
S. Sak  
8-14-50

Dr. S.P. Rothrock  
Vermillion, S.D.

Dear Dr.:

I noticed that forms on  
Isaac & Byrne Well No. 1  
had been mailed without  
notary. I enclose \$5.00 for  
fee. If this is not  
satisfactory - please return  
papers.

Cordially  
W.B. Ballen

# MISCELLANEOUS

November 21, 1952

**Oil Driller Hits  
Solid Formation  
South of Tyndall**

Yankton, S. D.—Although striking a hard formation of rock which has slowed operations at the Isaak & Byrne No. 1 oil test well south of Tyndall, the Great Northern Drilling Co. of Newcastle, Wyo., will make all efforts to cut through this deposit in its belief that there is oil in the "bend of the river" area of Bon Homme county.

Jim Storms, co-owner with Don Couch of Great Northern, said Thursday that the rotary drill struck Sioux Falls granite, or quartzite, at around the 900-foot level last Friday. Since that date, the drill has cut into only 21 feet of the tough granite at an estimated cost of about \$500 a foot.

"We've worn out 15 bits, costing \$178 apiece, trying to penetrate this hard stuff," Storms commented.

Now the company has ordered a \$1,700 cobra bit which is expected to do the job. "If that doesn't cut it, nothing will," Storms said.

The Wyoming men are continuing around-the-clock operations at the Isaak & Byrne site. They are drilling this well under contract with the Bon-Oil Exploration Co. of Tyndall.

November 15, 1952

### **Tyndall Oil Test Reaches 900 Feet**

Tyndall, S.D., Nov. 15—(AP)—The Great Northern Drilling Company of Newcastle, Wyo., had reached a depth of more than 900 feet Friday in their operations at the Isaak and Byrne No. 1 oil test well in Bon Homme County south of Tyndall.

Drilling with the 110-foot rotary rig has been slow at the start, the operators said today, because many tests have been taken on the way down. The Great Northern Company has started 24-hour operations and plan to sink several test wells in this area this winter. Best production here is rated at 2,400 feet.

The Isaak and Byrne well is being drilled under contract with the Bon-Oil Exploration Company of Tyndall. The Wyoming company also has more than 2,000 acres in this area leased for exploration.

November 13, 1952

## TYNDALL OIL TEST STARTS

Tyndall, S.D., Nov. 13—(P)—Two Newcastle, Wyo., men began drilling operations Tuesday at the Isaak and Byrne No. 1 oil test well, seven miles south and three miles east of here.

Sinking the test hole are Jim Storms and Don Couch, owners of the Great Northern Drilling Company. Last week the state oil and gas board granted a permit to the Bon-Oil Exploration Company to sink this test well.

A derrick 110 feet tall has been set up at the scene of operations. The Wyoming men anticipate reaching lower sands at 3,400 feet and say they are prepared to go to a depth of 5,000 feet to obtain oil.

The Bon-Oil Exploration Company has under lease about 2,000 acres in the Tyndall-Springfield vicinity.



November 13, 1952

## **Oil Drilling Operations are Resumed South of Tyndall With Much Larger Rig**

The search for oil in Bon-Homme county was resumed Monday of this week when the large drill of the Great Northern Drilling Co. began operations at a new site on the former O'Donnell farm which is owned jointly by Dr. Otto Isaak and his mother-in-law, Mrs. Estella Byrne, and which is located  $\frac{1}{2}$  mile east and seven miles south of Tyndall.

Don Couch and Jimmy Storms, owners of the drilling rig had just completed sinking a well at New Castle, Wyoming, before moving their outfit to Tyndall.

First operation of the drillers this week has been the setting of 253 feet of ten and three-quarter inch surface pipe. An 8 $\frac{3}{4}$  inch hole will be drilled. The outfit has a 110-foot derrick, with a 5,000 foot rig. Barring difficulties, the rig is capable of sinking the well 1,000 feet every 24 hours.

Operations are being conducted on a 24-hour basis, with three 8-hour shifts. Each shift or tower employs a driller and three rough-necks.

First drilling operations in the county, conducted on the Nick Jelsma farm north of Springfield this fall, were halted several weeks ago when the drillers asked to be released from their contract because of other commitments. Officers of the Bon-Oil Exploration Co., who are conducting the search for oil here, state that valuable information was gained in the first operation which will be used to advantage in the present and future drilling.