

**FILE NOTATIONS**

Entered in MWD File   
Entered on SIR Sheet   
Location Map Filled   
Card Indexed   
IWR for State or Fee Land

Checked by Chief   
Copy NID to Field Office   
Approval Letter   
Disapproval Letter

**COMPLETION DATA:**

Date Well Completed 6-7-57  
OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_  
GW \_\_\_\_\_ OS \_\_\_\_\_ PA

Location Inspected \_\_\_\_\_  
Bond released \_\_\_\_\_  
State of Fee Land \_\_\_\_\_

Driller's Log 6-26-57 LOGS FILED  
Electric Logs No. 1

E  L  I   
Let.  M-L \_\_\_\_\_ E-I \_\_\_\_\_  
GR \_\_\_\_\_  
Sonic \_\_\_\_\_ GR-N  Others \_\_\_\_\_  
Micro

8-29-91  
JFK

Scout Report sent out



Noted in the NID File



Location map pinned



Approval or Disapproval Letter



Date Completed, P. & A, or  
operations suspended

6-7-57

Pin changed on location map



Affidavit and Record of A & P



Water Shut-Off Test



Gas-Oil Ratio Test



Well Log Filed



SUPERVISOR, OIL AND GAS OPERATIONS:

**DESIGNATION OF OPERATOR**

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE:

SERIAL NO.: Navajo Tribe  
Contract No. 14-20-603-383

and hereby designates

NAME: United States Smelting Refining and Mining Company  
ADDRESS: P. O. Box 1877  
Midland, Texas

as his operator and agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

T. 43 S., R. 21 E., S.L.M.  
Section 5: All  
Section 6: All  
Section 8: All

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

THE OIL &amp; GAS COMPANY

By: E. Paul Berde  
Asst. Division Manager

(Signature of lessee)

P. O. Box 120  
Casper, Wyoming

(Address)

February 27, 1937

(Date)

COMPANY United States Smelting Refining and Mining Company

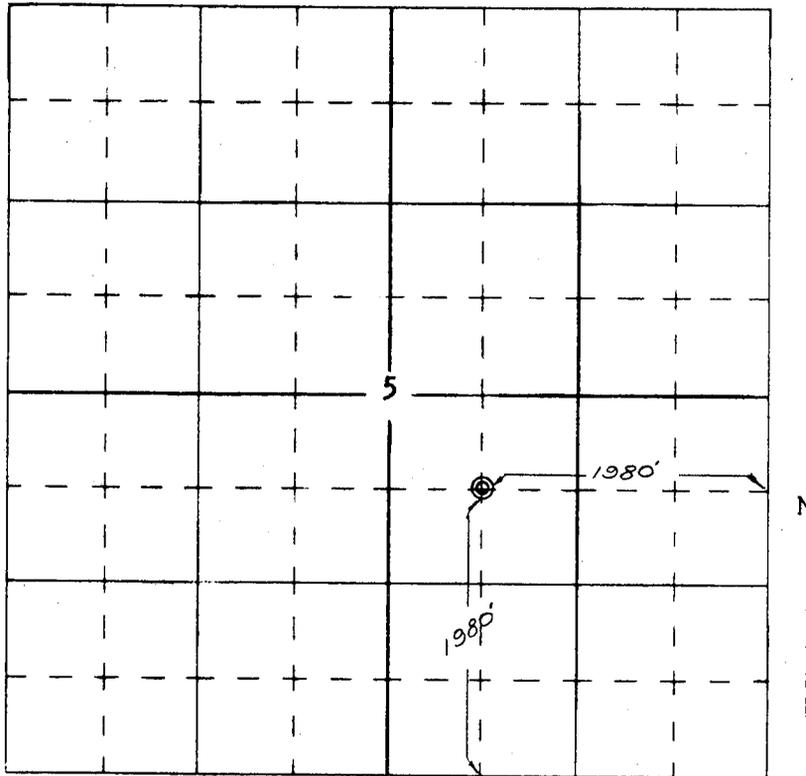
Well Name & No. Ohio-Navajo No. 2 Lease No. \_\_\_\_\_

Location 1980' from the South line and 1980' from the East line.

Being in NW<sup>1</sup>SE<sup>4</sup>

Sec. 5, T43<sup>So.</sup> N, R21<sup>East</sup> W, S. L. M., San Juan County, Utah.

Ground Elevation 5103



Scale -- 4 inches equals 1 mile

Surveyed March 14, 1957

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Four States Oil Field Surveys  
Farmington, New Mexico

Ernest V. Echohawk

Ernest V. Echohawk  
Registered Land Surveyor  
N. M. Reg. #1545

Practicing in Utah under Laws  
regulating Professional Engrs.  
and Land Surveyors, Utah Code 1953,  
Title 58-10-16.

UNITED STATES SMELTING REFINING AND MINING COMPANY

OIL OPERATIONS

380 COLORADO NATIONAL BANK BUILDING

DENVER, COLORADO

March 19, 1957

Re: Navajo #2  
Lease No. 14-20-603-385  
NW/4 SE/4 Sec. 5,  
T-43S, R-21E  
San Juan County, Utah

Via Airmail

Oil and Gas Conservation Commission  
State of Utah  
Rm. 105, Capital Bldg.  
Salt Lake City 14, Utah

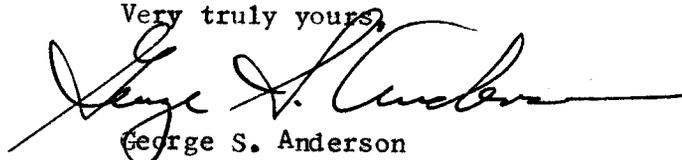
Att'n: Mr. Cleon B. Feight, Secretary

Gentlemen:

Enclosed herewith is Form OGCC-1, Notice of Intention to Drill, original and three copies, in connection with the proposed well listed in reference. Your cooperation in returning three copies of this form when it has been approved will be appreciated.

Also enclosed for your file and record is a copy of the Designation of Operator executed by Ohio Oil Company and a copy of the Survey Plat dated March 14, 1957, furnished by Ernest V. Echohawk.

Very truly yours,



George S. Anderson  
Manager - Denver District

GSA/ab

Enclosures (6)

cc: Ohio Oil Company  
New House Bldg.  
Salt Lake City, Utah (no enclosures)

STATE OF UTAH  
OIL AND GAS CONSERVATION COMMISSION  
NOTICE OF INTENTION TO DRILL

FORM OGCC-1

OIL AND GAS CONSERVATION COMMISSION

March 19, 19 57

In compliance with Rule C-4, notice is hereby given that it is our intention to commence the work of drilling Well No. OK10 Navajo 43-21 2-1-5, which is located 1980 feet from ~~(N)~~ line and 1980 feet from ~~(W)~~ line of Sec. 5, Twp. 43S, R. 21E, SLM, Wildcat, (Meridian) (Field or Unit), on or about the 25 day of March, 19 57.  
(County)

LAND: Fee and Patented ( ) Name of Owner or Patent or Lease Navajo Tribal Council  
State ( ) Address United States Geological Survey  
Lease No. \_\_\_\_\_ Farmington, New Mexico  
Public Domain (x)  
Lease No. 14-20-603-385

Is location a regular or exception to spacing rule? Regular. Has a surety bond been filed? \_\_\_\_\_. With whom? \_\_\_\_\_ Area in drilling unit \_\_\_\_\_  
(State or Federal)  
Elevation of ground above sea level is 5103 feet. All depth measurements taken from top of \_\_\_\_\_ (to be reported later) which is \_\_\_\_\_ feet above ground.  
(Derrick Floor, Rotary Table or Kelly Bushing)  
Type of tools to be used Rotary. Proposed drilling depth 6000 feet.  
Objective Formation is Molas.

PROPOSED CASING PROGRAM

Size of Casing Inches A. P. I.	Weight per Foot	Grade and Type	Amount Ft.	Top In.	Bottom	Cementing Depths
16"	55#	F	60'			Circulate
10 3/4"	32.75	H-40	1400			Circulate
5 1/2"	15.50	I-55	100'	below lowest oil and gas zone.		300' above uppermost prod. zone.

AFFIDAVIT

I hereby certify under the penalty of perjury, that the information contained and statements herein made are to the best of my knowledge and belief, true, correct and complete.

Approved for regular location  
Date 3-20 19 57  
By Sam B. Feght  
Title Secretary

By [Signature]  
Manager - Denver District  
(Title or Position)  
United States Smelting Refining and Mining  
(Company or Operator) Company  
Address 350 Colorado National Bank Bldg.  
Denver, Colorado

INSTRUCTIONS:

1. Complete this form in duplicate and mail both copies to the Oil and Gas Conservation Commission, Room 140, State Capitol Building, Salt Lake City, Utah.
2. A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.
3. Any information required by this form that cannot be furnished at the time said form is submitted must be forwarded to the Commission as soon as available.
4. Use back of form for remarks.

March 20, 1957

United States Smelting Refining &  
Mining Company  
350 Colorado National Bank Building  
Denver, Colorado

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo 2, which is to be located 1980 feet from the south line and 1980 feet from the east line of Section 5, Township 43 South, Range 21 East, S1EM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
SECRETARY

CBF:cn

cc: Phil McGrath/ Mr. Long  
UEGS, Farmington,  
New Mexico

COPY

UNITED STATES SMELTING REFINING  
AND MINING COMPANY

OIL OPERATIONS  
DENVER, COLORADO

For.....

April 9, 1957

Re: Ohio-Navajo 43-21 No. 1-5  
Section 5, T. 43 S., R. 21 E.  
San Juan County, Utah  
Lease 14-20-603-385

United States Geological Survey  
Farmington  
New Mexico

Att'n: Mr. P. T. McGrath, District Engineer

Gentlemen:

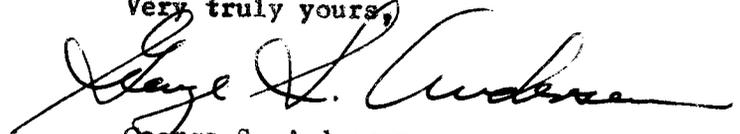
"Notice of Intention to Drill" dated March 19, 1957, Form 9-331b, covering our Well, Ohio Navajo #2 situated in NW/4 SE/4 Section 5, T. 43 S., R. 21 E., S.L.M., San Juan County, Utah was approved on March 20, 1957.

It is requested that the well designation be changed from Ohio Navajo #2 to read as follows:

Ohio-Navajo 43-21 No. 1-5

Your cooperation in recording this change of Well designation on your records will be appreciated.

Very truly yours,



George S. Anderson  
Manager - Denver District

GSA/ab

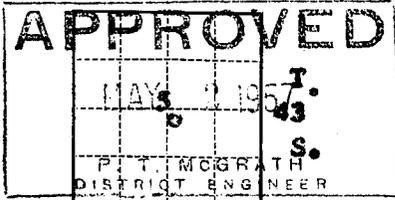
cc: Mr. Cleon B. Feight, Secretary  
Oil & Gas Conservation Commission  
Rm. 140, State Capital Bldg., Salt Lake City 14, Utah

Mr. Shelton, Ohio Oil Company  
New House Bldg., Salt Lake City, Utah

Mr. R. W. McCann, Ohio Oil Company  
P. O. Box 120, Casper, Wyoming

Mr. W. C. Wunnicke  
1800 Laguna, Farmington, New Mexico

Exploration Drilling Company, Att'n. Mr. Oliver  
Midland Savings Bldg., Denver, Colorado



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_  
**Navajo Tribal Council**  
Allottee \_\_\_\_\_  
Lease No. **14-20-603-385**

R. 21 E.

**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<b>Change of well Designation</b>	<b>X</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 29, 19 57

Ohio-Navajo 43-21

Well No. **1-5** is located **1980** ft. from **[S]** line and **1980** ft. from **[E]** line of sec. **5**

**N<sup>1</sup>/<sub>4</sub> SE/4**  
( $\frac{1}{4}$  Sec. and Sec. No.)

**43 S.**  
(Twp.)

**21E.**  
(Range)

**S.L.M.**  
(Meridian)

**wildcat**  
(Field)

**San Juan**  
(County or Subdivision)

**Utah**  
(State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

"Notice of Intention to Drill" dated March 19, 1957, Form 9-331 b, covering our well, Ohio-Navajo #2 situated in N<sup>1</sup>/<sub>4</sub> SE/4 of Section 5, T. 43 S., R. 21 E., S.L.M., San Juan County, Utah was approved on March 20, 1957.

The well designation has been changed from Ohio-Navajo #2 to Ohio-Navajo 43-21 #1-5.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **United States Smelting Refining and Mining Company**

Address **350 Colorado National Bank Bldg.**  
**Denver, Colorado**

By   
Title **Manager - Denver District**

## STATE OF UTAH

FORM OGCC-2

OIL AND GAS CONSERVATION COMMISSION  
AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

- PLUGGING METHODS AND PROCEDURE: - The methods and procedure for plugging a well shall be as follows:
- The bottom of the hole shall be filled to, or a bridge shall be placed at the top of each producing formation open to the well bore, and in either event a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible.
  - A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh water bearing strata.
  - A plug shall be placed at or near the surface of the ground in each hole.
  - The interval between plugs shall be filled with heavy mud laden fluid.
  - The hole shall be plugged with heavy mud up to the base of the surface string at which point a plug of not less than fifty (50) feet of cement shall be placed.

Field or Pool Wildcat County San Juan  
 Lease Name Ohio-Navajo Well No. 43-21 #1-5 Sec. 5 Twp. 43 S. Range 21 E.  
 Date well was plugged June 7, , 1957.

Was the well plugged according to regulation of the Commission? yes

Set out method used in plugging the well, the nature and quantities of materials used in plugging, size of plugs, location and extent (by depths) of the plugs of different materials, and the amount of casing left in hole. (giving size, top and bottom elevations of each section of abandoned casing.)

16" at 51' and 10 3/4" at 1389' - Abandoned.

Plug #1 - 5210-4762' w/243 cu. ft. 50-50 posmix; Plug #2 - 3170-2920' w/85 cu. ft. 50-50 Posmix;  
Plug #3 - 2000-1750' w/85 cu. ft. 50-50 posmix; Plug #4 - 1389-1292' w/60 cu. ft. 50-50 posmix;  
Plug #5 - 10 sxs. at surface. Intervals loaded with 8.5#, lost circ. mud.

Operator United States Smelting Refining and Mining Company  
 Address 900 Patterson Bldg., Denver, Colo.  
George S. Anderson  
 Manager - Denver District

## AFFIDAVIT

Colorado  
 STATE OF ~~UTAH~~  
 COUNTY OF Denver

Before me, the undersigned authority, on this day personally appeared George S. Anderson, known to me to be the person whose name is subscribed to the above instrument who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me this 24th day of June, 1957.

My Commission expires July 9, 1958.

Arline J. Butler  
 NOTARY PUBLIC

INSTRUCTIONS: Complete this form in duplicate and mail both copies to the Oil and Gas Conservation Commission, Room 140, Capitol Bldg., Salt Lake City 14, Utah.

STATE OF UTAH  
OIL AND GAS CONSERVATION COMMISSION  
LOG OF OIL OR GAS WELL

10

Well No. #1-5, which is located 1980 ft. from (N/S) line and 1980 ft from (E/W) line of Section 5, Twp. 43 S., R. 21 E., SLM, Wildcat, San Juan  
(Meridian) (Field or Unit) (County)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records as of June 19, 19 57 and is to be kept confidential until                     , 19     . (See Rule C-5)

Drilling operations were (completed) (~~abandoned~~) (~~terminated~~) on June 7, 19 57.

Date: June 24, 19 57 Signed [Signature] Title: Manager - Denver District  
Company: United States Smelting Refining and Mining Company

OIL OR GAS SANDS OR ZONES

No. 1, from None to                      No. 3, from                      to                       
No. 2, from                      to                      No. 4, from                      to                     

IMPORTANT WATER SANDS OR ZONES

No. 1, from None to                      No. 3, from                      to                       
No. 2, from                      to                      No. 4, from                      to                     

CASING RECORD

Size of Hole	Size Casing	Weight per ft.	Threads per Inch	Make	Amount	Kind of Shoe	Cut & Pulled from	Perforated from to	Purpose
19"	16"	55	8 rd.	Nat'l.	36.37'	-	-	-	Conductor
13 3/4"	10 3/4"	32.75	8 rd.	Nat'l.	1389	Pat. Shoe	-	-	Surface

MUDDING AND CEMENTING RECORD

Size Casing	Where Set	Number of sacks of cement	Method Used	Mud Gravity	Amount of Mud Used
16"	51'	70 sxs.	Pump & Plug	-	-
10 3/4"	1389	375 sxs., 50-50 posmix	Pump & Plug	-	-

TOOLS USED

Cable Tools were used from                      to                      and from                      to                       
Rotary Tools were used from Surface to TD 5774' and from                      to                     

PRODUCTION

Put to producing P & A June 7, 19 57  
OIL WELLS: The production during the first 24 hours was                      barrels of liquid of which                     % was oil;                     % was emulsion;                     % was water; and                     % was sediment. Gravity:                     

GAS WELL: The production during the first 24 hours was                      MCF plus                      barrels of liquid hydrocarbon. Shut in pressure                      lbs. Length of time shut in                     .

FORMATION RECORD

From	To	Thickness in feet	Formation	From	To	Thickness in feet	Formation
Surf.	1920	1920	Navaio-Moenkopi-Indef.	5170	5755	585	Lower Hermosa
1920	4030	2110	Permian	5755	5772	17 +	Molas
4030	4853	823	Hermosa		TD		
4853	5170	317	Paradox Member				

HISTORY OF WELL

Plugged and Abandoned June 7, 1957.  
Drilled to Total Depth of 5774'.

( if additional space is needed use back of page or attach separate sheet )

UNITED STATES SMELTING REFINING AND MINING COMPANY  
OIL OPERATIONS  
900 PATTERSON BUILDING  
DENVER, COLORADO

June 24, 1957

Re: Ohio-Navajo 43-21 #1-5  
San Juan County, Utah

*off*

Oil & Gas Conservation Commission  
State of Utah  
Room 140, State Capital Building  
Salt Lake City 14, Utah

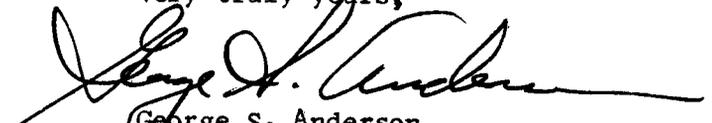
Gentlemen:

Enclosed for your information and file are the following logs and reports on the reference well:

- 1 - Electrical Log TD 5772'.
- 1 - Laterolog TD 5768'
- 1 - MicroLog TD 5768'
- 1 - Gamma Ray-Neutron TD 5772'.
- 3 - Form OGCC-2 "Affidavit and Record of Abandonment and Plugging".
- 3 - Form OGCC-3 "Log of Oil or Gas Well".

It is requested that two approved copies of OGCC Form 2 and 3 be returned to this office for our files.

Very truly yours,

  
George S. Anderson  
Manager - Denver District

GSA/ab

Enclosures