

- Score Report sent out
- Noted in the NID File
- Location map pinned
- Approval or Disapproval Letter
- Date Completed, P. & A. or operations suspended
- Pin changed on location map
- Affidavit and Record of A & P
- Water Shut-Off Test
- Gas-Oil Ratio Test
- Well Log Filed

8-16-59 *B E C*

FILE NOTATIONS

Entered in NID File	<input checked="" type="checkbox"/>	Checked by Chief	<input checked="" type="checkbox"/>
Entered On S R Sheet	<input checked="" type="checkbox"/>	Copy NID to Field Office	<input checked="" type="checkbox"/>
Location Map Pinned	<input checked="" type="checkbox"/>	Approval Letter	<input type="checkbox"/>
Card Indexed	<input checked="" type="checkbox"/>	Disapproval Letter	<input type="checkbox"/>
IWR for State or Fee Land	<input type="checkbox"/>		

COMPLETION DATA: 8-16-59

Date Well Completed:

OW..... WW..... TA.....

GW..... OS..... FA

Location Inspected: _____

Bond released: _____

State of Fee Land: _____

LOGS FILED

Dat's Log 9-14-59

Electronic Logs (No.) 1

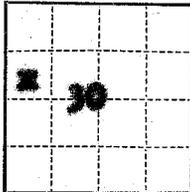
E..... I..... E-I..... GR..... GR-N..... Micro.....

Lat..... Mi-L..... Sonic..... Others Radioactivity Log

Subsequent Report by Abandonment

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 14-20-603-407

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	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			

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

July 16, 19 59

Well No. Navajo B-18 is located 1980 ft. from $\left\{ \begin{matrix} N \\ E \end{matrix} \right\}$ line and 660 ft. from $\left\{ \begin{matrix} E \\ W \end{matrix} \right\}$ line of sec. 30

N4 Sec. 30
(1/4 Sec. and Sec. No.)

T41S
(Twp.)

R24E
(Range)

313M
(Meridian)

White Mesa
(Field)

San Juan County
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 4523 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)

We propose to drill this well with rotary tools to an estimated depth of 1800' to test the Paradox formation. Approximately 150' of 1 1/8" surface casing will be run and cemented. If commercial production is found, a string of 3 1/2" production casing will be run and cemented and the well completed.

The above description of the well location is in relation to section lines established by private survey. Such location, with respect to the lease boundaries, is shown on the attached plat marked "Exhibit A".

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

Company Continental Oil Company

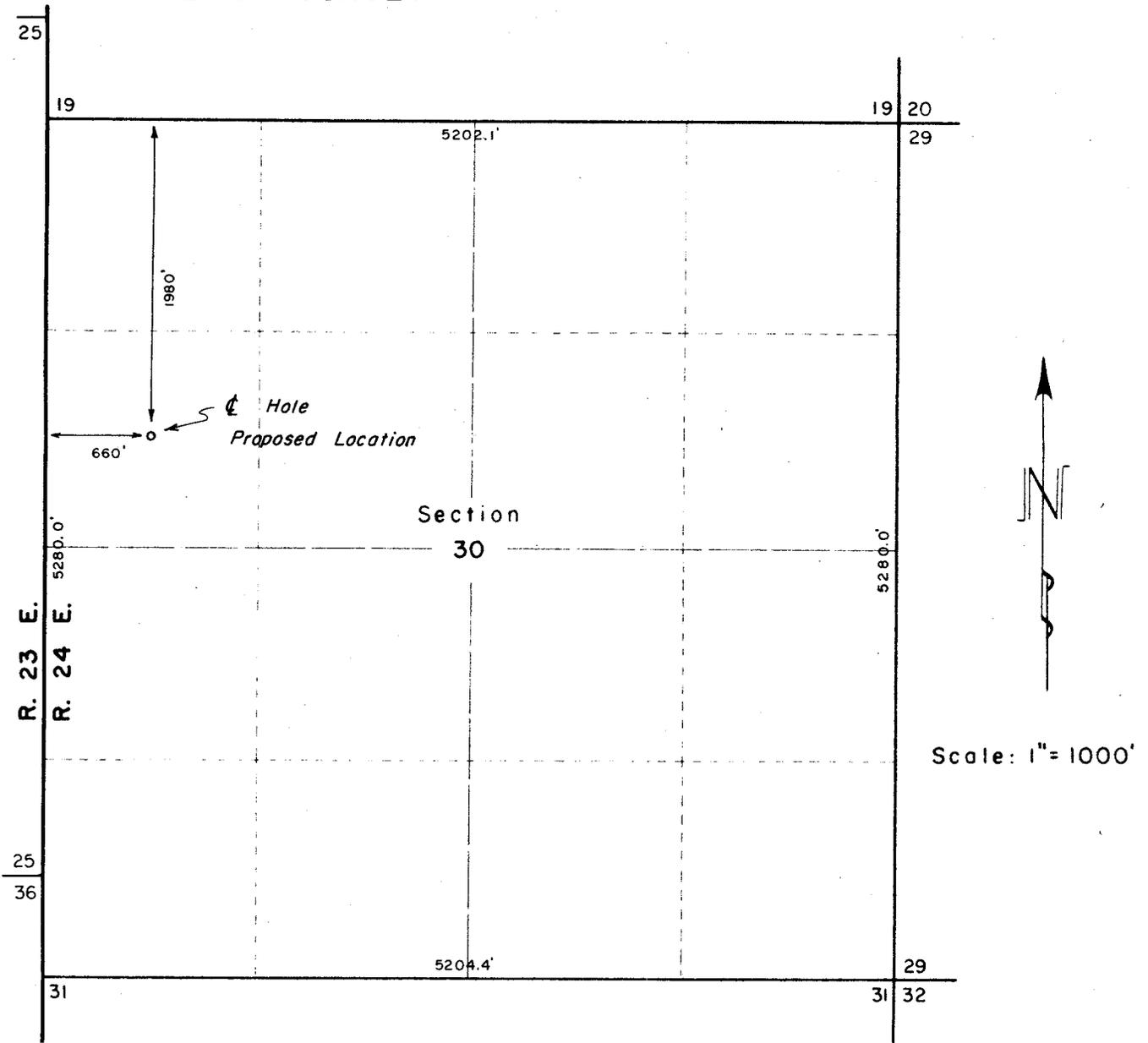
Address Box 3312

Durango, Colorado

By Wm. A. Butterfield

Title Dist. Chief Clerk

CERTIFICATE OF SURVEY



WELL LOCATION: The Continental Oil Company — Navajo No. "B"-18

Located 1980 feet South of the North line and 660 feet East of the West line of Section 30.
 Township 41 South Range 24 East Salt Lake Meridian
 San Juan County, Utah
 Existing ground elevation determined at 4810 feet based on adjoining well locations.

I hereby certify the above plat represents a survey made under my supervision and is accurate to the best of my knowledge and belief.

Elmer M. Clark

ELMER M. CLARK
 Registered Land Surveyor
 State of Utah (No. 2307)

E.M. CLARK & ASSOCIATES
 Durango, Colorado
 JULY 15, 1959

July 20, 1959

Continental Oil Company
P. O. Box 3312
Durango, Colorado

Attention: Wm. A. Butterfield,
District Chief Clerk

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo B-18, which is to be located 1980 feet from the north line and 660 feet from the west line of Section 30, Township 41 South, Range 24 East, S1EM, San Juan County, Utah.

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

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

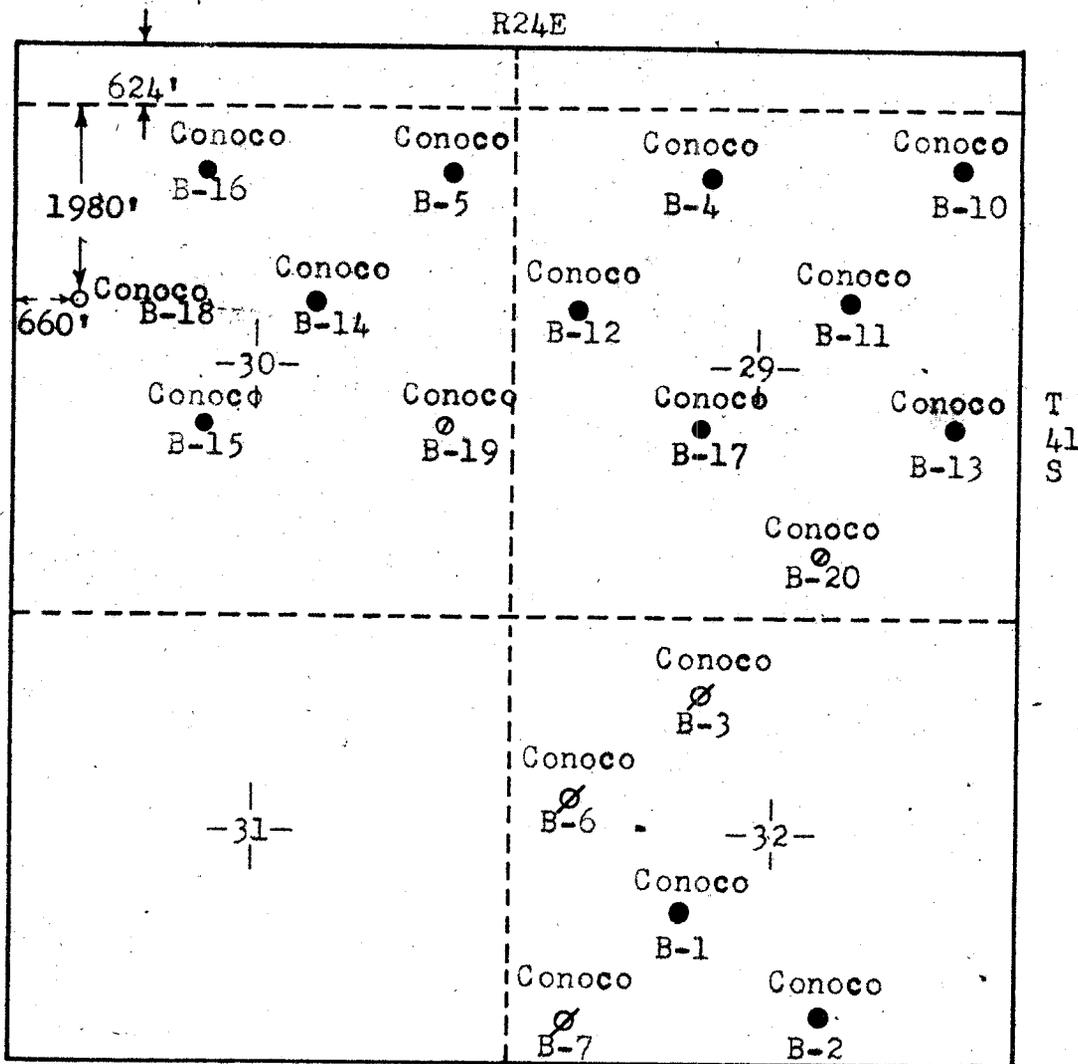
CLEON B. FRIGHT
EXECUTIVE SECRETARY

CHF:co

cc: F. T. McGrath, Dist. Eng.
U. S. Geological Survey
Farmington, New Mexico

Exhibit "A"

To Notice of Intention to Drill for
Well No. Navajo B-18 (Continental)
Indian Lease No. 14-20-603-407



T41S - R24E
San Juan County, Utah

Scale 1" = 2000'

————— Lease Boundary
----- Section Lines

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

X	30	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____
Lease No. 14-20-603-407

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	X		

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

Navajo _____ September 8, _____, 1959

Well No. B-18 is located 1960 ft. from N line and 660 ft. from W line of sec. 30

1/4 Sec. 30 T1S, R24E SLBM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
White Mesa San Juan County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4823 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)

Spudded 7-19-59, landed 13 3/8" surface casing at 161' and cemented with 200 lbs. reg. Drilled and cored to 5721' TD. DST 5593' to 5721' recovered 50' drilling mud, no show. Proposed to plug and abandon as follows:

- 30 sacks cem. 5600'-5700'
- 60 sacks cem. 4500'-4900'
- 30 sacks cem. 2450'-2550'
- 30 sacks cem. 1400'-1500'
- 40 sacks cem. 120'-180', in and out of surface casing.
- 15 sacks cem. at surface

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

Company Continental Oil Company

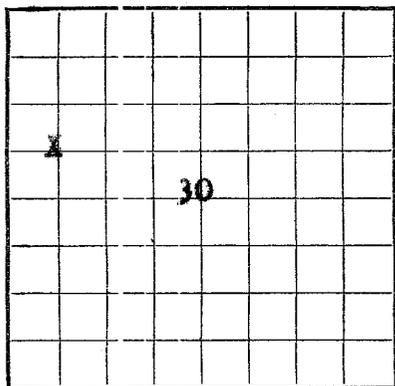
Address Box 3312

Durango, Colorado

By H. D. HALEY
Original Signed By:

Title District Superintendent

107



Navajo Tribe
No. 14-20-603-407

U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box 3312, Durango, Colorado

Lessor or Tract Navajo Field White Mesa State Utah

Well No. B-18 Sec. 30 T. 41SR24E Meridian 313M County San Juan

Location 1980 ft. N of N Line and 660 ft. E of W Line of Section 30 Elevation 4823'
(Derrick floor relative to sea level)

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.

Signed _____ Original Signed By _____

Date September 9, 1959 Title District Superintendent

The summary on this page is for the condition of the well at above date and time

Commenced drilling July 19, 1959 Finished drilling August 16, 1959

OIL OR GAS SANDS OR ZONES

No. 1, from 30 sacks to 20 sacks
No. 2, from 30 sacks to 20 sacks
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13 3/8"</u>	<u>1.61' RB</u>	<u>200-regular displacement</u>			

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 5721' TD feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

September 9, 1959, Put to producing 8-16, 1959
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. **dry hole**
 Gravity, °Bé. _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller
 _____, Driller
Contractor: _____, Driller
Arapahoe Drilling Co.

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
1502	2267	765	Chinle
2267	2520	253	Shinarump
2520	2835	315	Cutler
2835	3523	688	Organ Rock
3523	4534	1011	Cedar Mesa
4534	5363	829	Hermosa
5363	5584	221	Paradox
5584	5721	137	Desert Creek

FORMATION RECORD - CONTINUED

10-48094-4

WAI-cb
 USGS (3), UTAH G-666 (2), REN HDH

2011 1958

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UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D.C.

NAME OF BUREAU OR PROJECT _____
 SERIAL NUMBER _____
 U.S. FIELD OFFICE _____

121

UNIVERSITY

Case No.	Date	Number of sacks of cement	Depth of hole	Water level	Amount of mud used
----------	------	---------------------------	---------------	-------------	--------------------

MUDGING AND CEMENTING RECORD

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "shotracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Case No.	Date	Depth of hole	Water level	Kind of rock	Oil and gas produced	Remarks	Signature
----------	------	---------------	-------------	--------------	----------------------	---------	-----------

CASING RECORD

Spudded 7-19-59. Set 5 joints 13 3/8" surface casing at 1161', cemented with 200 sacks regular. Drilled with rotary tools from surface to 5721' TD. Cored 5605' to 5711'. DST from 5593' to 5721', recovered 59' drilling mud, no show. Plugged and abandoned 8-16-59 as follows:

No. of joints	Depth	Remarks	No. of joints	Depth	Remarks
30	sacks 5600' to 5700'		6'	from	
60	sacks 4500' to 4700'		2'	from	
30	sacks 2450' to 2550'		4'	from	
30	sacks 1400' to 1500'				
40	sacks 120' to 180'				
15	sacks at surface				

Location had been cleared, dry hole marker erected, and pits have been reduced and fenced.

Completed drilling _____ Entered drilling _____ 18__

Date _____

The information given hereon is a complete and correct record of the well and all work done thereon.

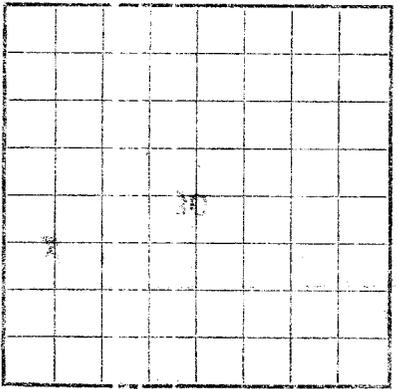
Location _____ of _____ line and _____ of _____ line of _____ REGISTRATION _____

Well No. _____ Sec. _____ T. _____ R. _____

Owner or lessee _____

Company _____ address _____

LOCAL WELL CORRECTLY



LOC OF OIL OR GAS WELL

GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES

NO. 16-43094-2
MUDGE AND WADSWORTH

PLEASE OR PERMIT TO PROSPECT
SERIAL NUMBER
U. S. LAND OFFICE

102

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

X	30	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 14-20-603-407

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
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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	X
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

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

September 18, 1959

Navajo
Well No. B-16 is located 1980 ft. from [N] line and 660 ft. from [E] line of sec. 30

NE 1/4 Sec. 30 (1/4 Sec. and Sec. No.) T41S (Twp.) R24E (Range) SLRM (Meridian)
White Mesa (Field) San Juan County (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4823 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)

Spudded 7-19-59 and drilled with rotary tools to 5721' TD. Set 13 3/8" surface casing @ 161' and cemented with 200 sks. reg. Cored 5605'-5711'. DST 5593'-5721' TD, recovered 50' drilling mud, no show. Plugged and abandoned with cen. plugs as follows:

30 sks. 5600' to 5700'
60 sks. 4500' to 4700'
30 sks. 2450' to 2550'
30 sks. 1400' to 1500'
40 sks. 120' to 180' in and out of surface pipe
15 sks. at surface. Rig released 8-16-59.

Location has been cleared, dry hole monument erected and pits reduced and fenced.

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

Company Continental Oil Company

Address Box 3312

Durango, Colorado

Original Signed By:

H. D. HALEY

By _____

Title District Superintendent