

FILE NOTATIONS

Entered in NID File ✓

Entered On S R Sheet \_\_\_\_\_

Location Map Pinned ✓

Card Indexed ✓

I W R for State or Fee Land \_\_\_\_\_

Checked by Chief R.P.D.

Copy NID to Field Office ✓

Approval Letter ✓

Disapproval Letter \_\_\_\_\_

COMPLETION DATA:

Date Well Completed 6-20-60

Location Inspected shc

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

Bond released \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA ✓

State of Fee Land \_\_\_\_\_

LOGS FILED

Driller's Log 7-7-60

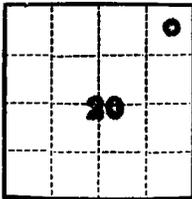
Electric Logs (No. ) 2

E \_\_\_\_\_ L \_\_\_\_\_ EI ✓ GR \_\_\_\_\_ GRN ✓ Micro \_\_\_\_\_

Lat. \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

*Subsequent Report of Abandonment*

CO  
PSE



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Salt Lake**

Lease No. **SL 067703**

Unit \_\_\_\_\_

**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.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	<input type="checkbox"/>	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<input type="checkbox"/>		

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

**May 13, 1960**, 19\_\_

Well No. **1-20** is located **660** ft. from  **N** line and **660** ft. from  **E** line of sec. **20**

**NE NE Sec. 20** **38 South 22 East** **SLBM**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Wildcat** **San Juan County** **Utah**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5429** 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)

Operator proposes to drill a well to total depth of approximately 6550' to test the Paradox formation for oil and/or gas, and will test all shows of oil and gas. Estimated formation tops: Hermosa, 5258'; Paradox, 6141'; Paradox Salt, 6550'.

**CASING PROGRAM:** Set 13-3/8" conductor casing at approximately 90' with sufficient cement to circulate; set 8-5/8" surface casing at sufficient depth to cover any water flow encountered, with sufficient cement to circulate; run 4-1/2" production string if warranted.

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

Company **Compass Exploration, Inc.**

Address **1645 Court Place**

**Denver 2, Colorado**

**AM 6-1939**

By *P. J. Farrelly*  
**P. J. Farrelly**  
Title **Chief Geologist**

Company COMPASS EXPLORATION INC.

Lease FEDERAL

Well No. 1-20

Sec. 20

T. 38 S

R. 22E

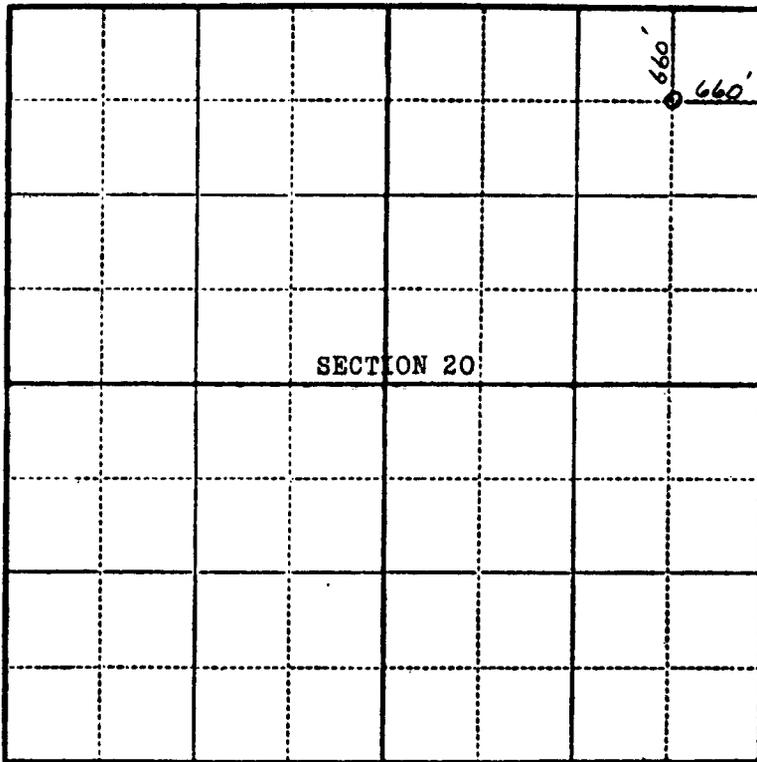
S.L.B.M.

Location 660 feet from north line; 660 feet from east line; being CNE $\frac{1}{4}$ NE $\frac{1}{4}$

Elevation: 5418 GL

San Juan County

Utah



Scale—4 inches equal 1 mile.

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.

*Stephen H. Kinney*

STEPHEN H. KINNEY  
Registered Professional  
Engineer and Land Surveyor

Surveyed

May 12,

19 60



**COMPASS EXPLORATION, INC.**  
1048 CANYON PLACE  
DENVER 2, COLORADO

May 14, 1960

Mr. Donald F. Russell  
District Engineer  
U. S. Geological Survey  
506 Federal Building  
Salt Lake City, Utah

Re: Compass Exploration, Inc.  
#1-20 Federal  
NE NE Sec. 20-38S-22E  
San Juan County, Utah

Dear Mr. Russell:

Enclosed, in triplicate, is our Notice of Intention to Drill at the referenced location, with survey plats attached.

Designation of Operator has been forwarded directly to your regional office in Casper by Continental Oil Company, and the other lessees will forward such Designations to Casper with a copy to your office.

Yours very truly,

COMPASS EXPLORATION, INC.

  
P. J. Farrelly  
Chief Geologist

PJF/lo  
Encl.

Copy to Oil and Gas Conservation  
Commission  
Salt Lake City, Utah

2

**COMPASS EXPLORATION, INC.**  
1645 COURT PLACE  
DENVER 2, COLORADO

May 14, 1960

Oil and Gas Conservation Commission  
The State of Utah  
Salt Lake City 14, Utah

Re: Compass Exploration, Inc.  
#1-20 Federal  
NE NE Sec. 20-38S-22E  
San Juan County, Utah

Gentlemen:

Enclosed are two carbon copies of our Notice of Intention to Drill, with survey plats attached, as well as a copy of our letter transmitting the original of this Notice to the District Engineer, U. S. Geological Survey.

Yours very truly,

COMPASS EXPLORATION, INC.

  
P. J. Farrelly  
Chief Geologist

PJF/lo  
Encl.

cc: District Engineer  
U. S. Geological Survey  
Salt Lake City, Utah

May 17, 1960

Compass Exploration, Inc.  
1645 Court Place  
Denver 2, Colorado

Attention: P. J. Farrelly, Chief Geologist

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. #1-20 Federal, which is to be located 660 feet from the north line and 660 feet from the east line of Section 20, Township 38 South, Range 22 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 has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT,  
EXECUTIVE SECRETARY

CBF:awg

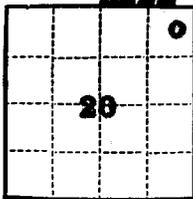
cc: Jerry W. Long, Dist. Eng.  
U. S. Geological Survey  
Durango, Colorado

awp

cc-utah Ogce

RS

Form 9-331a  
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Approval expires 12-31-60.

Land Office **Salt Lake**

Lease No. **SL 067703**

Unit \_\_\_\_\_

### 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 RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL.....			

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

June 24, 19 60

Well No. **1-20** is located **660** ft. from **N** line and **660** ft. from **E** line of sec. **20**

**NE NE Sec. 20**      **38 South 22 East**      **S15M**  
(1/4 Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)

**Wildcat**      **San Juan County**      **Utah**  
(Field)      (County or Subdivision)      (State or Territory)

The elevation of the derrick floor above sea level is **5429** 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 11" hole with rotary rig @ 6:00 a.m. 5-24-60, reamed to 72'; reamed 20" hole to 55', 17-1/2" hole to 70'. Ran 2 jts. 13-3/8" 48# conductor casing, set @ 70' with 115 sx cement, 2% CaCl. Cement circulated. POB 8:30 p.m. 5-25-60. WOC 18 hrs. Drilled 11" hole to 500', 6-3/4" hole to 2167', reamed 11" hole to 522'. Drilled with water to 1479', with mud to 2167'. Ran 16 jts. 8-5/8" J-55 24# surface casing, TE 505.43', set @ 521', cemented with 75 sx Diamix, 100 sx neat cement, 2% CaCl. POB 2:00 p.m. 5-31-60. Full returns while cementing.

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

Company **COMPASS EXPLORATION, INC.**

Address **1645 Court Place**

**Denver 2, Colorado**

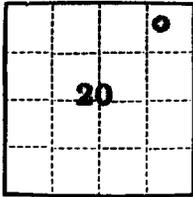
**AM 6-1939**

By *P. J. Farrelly*

Title **Chief Geologist**

(SUBMIT IN TRIPLICATE)

Land Office **Salt Lake**  
Lease No. **SL 067703**  
Unit \_\_\_\_\_



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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.....	
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NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<b>XX</b>		

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

June 29, 1960

Well No. **1-20** is located **660** ft. from ~~SW~~<sup>N</sup> line and **660** ft. from ~~SW~~<sup>E</sup> line of sec. **20**

**NE NE Sec. 20** **38 South** **22 East** **SLRM**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Wildcat** **San Juan County** **Utah**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5429** 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)

TD 6532'. No commercial shows of oil or gas in any formations drilled. Propose to plug with 50' plug on bottom, in Paradox Salt formation; 100' plug, top of Hermosa; 200' plug, Chinle formation; 100' plug, bottom of surface casing; 20' plug, top of surface casing. (Verbal approval to plug and abandon requested via telephone call to District Engineer's office, U.S.G.S., Durango, Colorado, 6-29-60, granted.)

Copies of Gamma Ray-Neutron and Induction-Electrical logs being forwarded to USGS directly by Schlumberger.

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

Company **COMPASS EXPLORATION, INC.**  
Address **1645 Court Place**  
**Denver 2, Colorado**  
**AM 6-1939**  
By *R. Farrelly*  
Title **Chief Geologist**

(SUBMIT IN TRIPLICATE)

Land Office **Salt Lake**

Lease No. **SL 067703**

Unit \_\_\_\_\_

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
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)

June 29, 1960, 19

Well No. **1-20** is located **660** ft. from **N** line and **660** ft. from **E** line of sec. **20**

**NE NE Sec. 20**      **38 South 22 East**      **SLBM**  
(1/4 Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)

**Wildcat**      **San Juan County**      **Utah**  
(Field)      (County or Subdivision)      (State or Territory)

The elevation of the derrick floor above sea level is **5429** 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)

6-1-60, after WOC 15 hrs. tested casing with 1000# pressure - okay. Drilled 6-3/4" hole with mud to TD of 6532'. Cored interval from 6282 to 6332'. Ran DST 6275-6337'. Ran Schlumberger GR-N logs from surface to 6156 KB and from 6000' to TD; I-ES log from 5000' to TD. DST#1 6275-6337- Initial shut in 1 hr.; test open 1-1/2 hrs; final shut in 1 hr. Opened with strong blow, died in 38 min. Recovered 30' of drilling mud, very slightly gas cut. IHP 3300 psi; ISIP 475 psi; IFP 30 psi; FFP 30 psi; FSIP 255 psi; FHP 3265 psi.

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

Company **COMPASS EXPLORATION, INC.**

Address **1645 Court Place**

**Denver 2, Colorado**

**AM 6-1939**

By *P. J. Farrelly*

Title **Chief Geologist**

Form 9-330

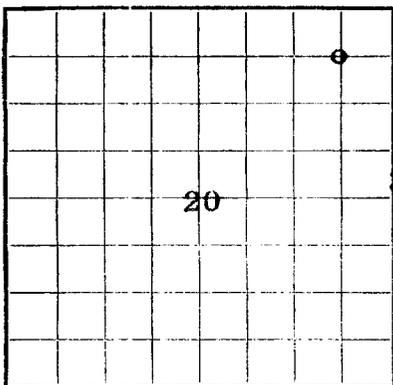
R22E

Salt Lake

U. S. LAND OFFICE

SERIAL NUMBER **SL 067703**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Compass Exploration, Inc.** Address **1645 Court Place, Denver, Colo.**

Lessor or Tract **Federal** Field **Wildcat** State **Utah**

Well No. **1-20** Sec. **20** T. **38S** R. **22E** Meridian **SLBM** County **San Juan**

Location **660** ft. **S** of **N.** Line and **660** ft. **E** of **E.** Line of **Sec. 20** Elevation **5429**  
(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 *D. Farrelly* Title **Chief Geologist**

Date **July 5, 1960**

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

Commenced drilling **May 24**, 19**60** Finished drilling **June 29**, 19**60**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from --- to --- No. 4, from --- to ---  
No. 2, from --- to --- No. 5, from --- to ---  
No. 3, from --- to --- No. 6, from --- to ---

IMPORTANT WATER SANDS

No. 1, from --- to --- No. 3, from --- to ---  
No. 2, 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-	
13-3/8"	48#	8 rd.	Rep	63'					Conductor
8-5/8"	24#	8 rd.	CP&I	305.43'	Baker				Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	70'	115			
8-5/8"	521'	175			

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

FOLD MARK

FOLD MARK

Casing	Where set	Number sacks of cement	Mud gravity	Amount of mud used
13-3/8"	70'	115		
8-5/8"	521'	175		

**PLUGS AND ADAPTERS**

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from Surface feet to 6532 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

July 5, 1950 Put to producing \_\_\_\_\_, 19\_\_\_\_  
 The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. 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**

Rutledge Drilling Company, Driller - Contractor \_\_\_\_\_, Driller  
Jack H. Auten, Toolpusher, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM-	TO-	TOTAL FEET	FORMATION
0	1285	1285	Surface, Spud in Morrison
1285	2150	865	Entrada
2150	3170	1020	Chinle
3170	5253	2083	Cutler
5253	6151	898	Hermosa
6151	6342	191	Top of Paradox
6342	6531	189	Paradox (Desert Creek)
6531	6532 TD		Paradox Salt

FORM NO. 1

UNITED STATES DEPARTMENT OF THE INTERIOR

HISTORY OF OIL OR GAS WELL

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 "sidetracked" 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 balling.

Core #1 from 6282-6382', full recovery.

6232-90 - limestone, dark gray, dense, argillaceous, sl. carbonaceous, with some black chert inclusions, trace calcite inclusions.

6290-97 - limestone, gray, finely crystalline, sl. carbonaceous in part; numerous stylolites, carbonaceous, grades to coarsely crystalline in lower portion of interval.

6297-6307 - limestone, gray, brecciated; pinpoint to slightly vugular porosity, with some anhydrite filling; good odor and bleeding light green oil. Porosity diminishes towards base of interval.

6303-18 - limestone, gray, with brown cast; brecciated, anhydrite filled.

6313-19.5 - limestone, gray, brecciated; microcrystalline to dense, very slight pinpoint to vugular porosity; some anhydrite filling, bleeding light green oil.

6319.5-6332 - limestone, dark gray, grading to light gray, highly fossiliferous (primarily brachs), finely crystalline, sl. carbonaceous with some carbonaceous stylolites. No visible porosity.

DST#1 6275-6337 - Shut in 1 hr; test open 1-1/2 hrs; final shut in 1 hr. Opened with strong blow, died in 38 min. 30' drlg. mud, very sl. gas cut. IHP 3300 psi; ISIP 465 psi; FFP 30 psi; RFP 30 psi; RSIP 255 psi; RHP 320 psi.

Ran Schlumberger Gamma Ray-Neutron and Induction-Electrical logs (copies of logs being forwarded directly by Schlumberger.)

NAME OF OPERATOR

FIELD

Company CONGRESS EXPLORATION, INC.

ADDRESS

1952 CONGRESS EXPLORATION, INC.

LOCAL WELL IDENTIFICATION

Empty grid for local well identification.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

DATE OF REPORT TO BUREAU

REPORT NUMBER

DATE OF LOGGING

0981

(SUBMIT IN TRIPLICATE)

Land Office **Salt Lake**

Lease No. **SL 067703**

Unit \_\_\_\_\_

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**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 ABANDON WELL.....		

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

July 5, 1960

Well No. 1-20 is located 660 ft. from {N} line and 660 ft. from {E} line of sec. 20  
{Sx} {Wx}

NE NE Sec. 20 38 South 22 East SLBM  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat San Juan County Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5429 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)

TD 6532'

Well plugged: 10 sx cement, 50' plug at TD; 25 sx, 100' plug at 5253'; 200' plug, 40 sx at 2150'; 100' plug, 25 sx at 505'; 20' plug, 10 sx at surface. Marker set. Rig released @ 4:00 a.m. 6-30-60.

Will clean up location after pits dry out and will notify District Engineer when work has been completed.

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

Company COMPASS EXPLORATION, INC.

Address 1645 Court Place  
Denver 2, Colorado

AM 6-1939

By *P. J. Farrelly*  
 Title Chief Geologist