

FILE NOTATIONS

Entered in NID File
Entered On S R Sheet
Location Map Pinned
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 1-27-57
OW _____ WW _____ TA _____
BW _____ OS _____ PA X

Location Inspected
Bond released
State of Fee Land

Driller's Log 2-7-57

LOGS FILED

Electric Logs (No. 1 4)

E ✓ I _____

Lat ✓ Mi-L _____ GR _____
Sonic _____ GR-N ✓ Micro ✓
Others _____

X			
	12		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. Utah-012264
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		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	
NOTICE OF INTENTION TO ABANDON WELL			

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

November 29, 1956, 19

South Bluff No. 1
Well No. _____ is located 820 ft. from $\begin{matrix} [N] \\ [S] \end{matrix}$ line and 545 ft. from $\begin{matrix} [E] \\ [W] \end{matrix}$ line of sec. 12
NW NW Sec. 12, 40S 22E S1M
($\frac{3}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4467 ft. Gr.

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)

Three States Nat. Gas Co. proposes to drill a 6000 ft. test or to the massive salt member of the Paradox formation.
Set approx 60 ft. of 13-3/8" O.D. conductor pipe completely encased with cement.
Set Approx. 550 ft. of 10-3/4" O.D. surface casing completely encased with cement.
All zones showing good signs of possible production will be adequately tested.
5 1/2" O.D. smls. production casing will be run to deepest depth of commercial production, and cemented with sufficient cement to protect all commercial oil and gas production.

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

Company Three States Natural Gas Company
Address Box 67
Farmington, New Mexico

By John Carothers
Title John Carothers-Agent

COMPANY Three States Natural Gas Company

Well Name & No. South Bluff No.1

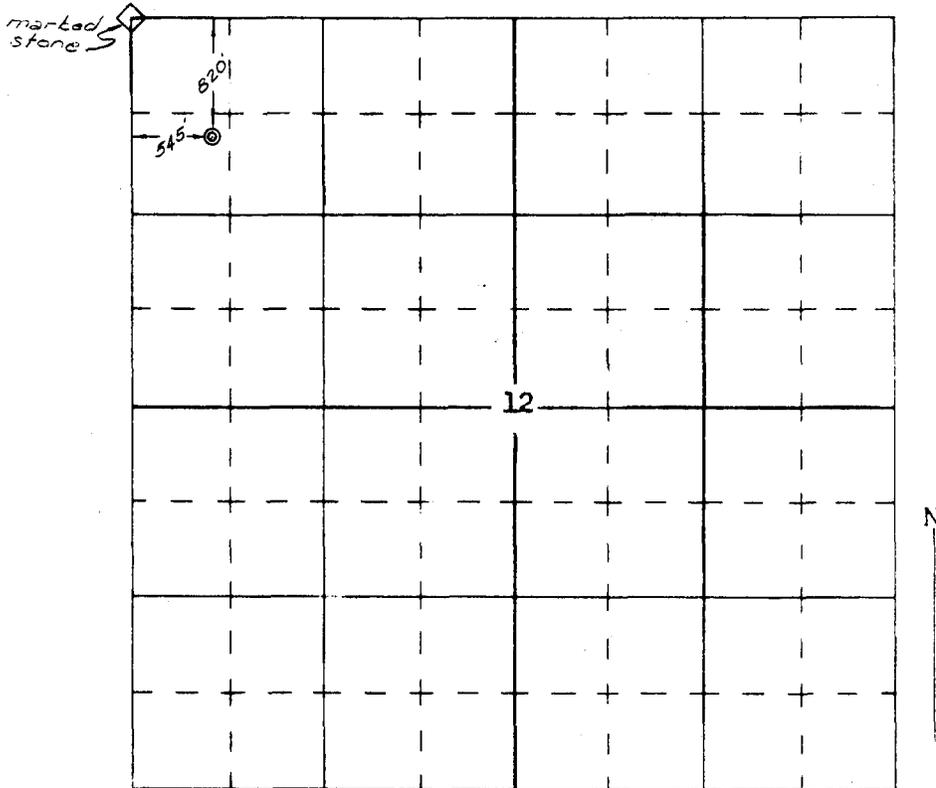
Lease No. Utah-012264

Location 820' from the North line and 545' from the West line.

Being in NW¹/₄NW¹/₄

Sec. 12, T40^{SO.}, R22^{EAST}, ~~Range~~, Salt Lake Meridian, San Juan County, New Mexico.

Ground Elevation 4467, ungraded.



Scale -- 4 inches equals 1 mile

Surveyed November 21

, 19 56

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.

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.



Four States Oil Field Surveys
Farmington, New Mexico

December 11, 1956

AIR MAIL

**Three States Natural Gas Company
Box 67
Farmington, New Mexico**

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. South Bluff No. 1, which is to be located 820 feet from the north line and 545 feet from the west line of Section 12, Township 40 South, Range 22 East, SLBM, San Juan County.

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
USGS, Farmington,
New Mexico**

(SUBMIT IN TRIPLICATE)

x		
	12	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. Utah 012264
Unit _____

W. J. ...
12/26/56

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

December 21, 1956

Well No. South Bluff No. 1 is located 820 ft. from N line and 545 ft. from EW line of sec. 12

12 Sec. 12 (1/4 Sec. and Sec. No.) 40S (Twp.) 22E (Range) S1M (Meridian)
Wildcat (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the Ground derrick floor above sea level is 4467 ft.

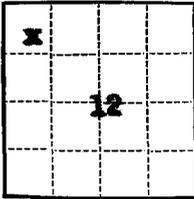
DETAILS OF WORK

(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 8 P.M. 12-14-56. Drilled 12 1/2" hole to 107 ft. Reamed 12 1/2" hole to 17 1/2" hole from 0 to 76 ft.
12-15-56 Ran 2 jts. 13-3/8" O.D. Armo conductor pipe, set @ 76 ft. w/75 sacks cement 4 1/2 gal. circulated to surface WOC 2 1/2 hrs.
12-16-56, T.D. 1500 feet. Set 10-3/4" O.D. sals. csg. @ 95 1/2 ft. K.B. w/500 sacks cement 4 1/2 gal. circulated to surface. WOC 4 1/2 hrs. Tested plug w/1500 psi for 30 min. Test OK.

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

Company Three States Natural Gas Company
Address Box 67
Farmington, New Mexico
By John Carothers
Title John Carothers-Agent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. Utah 012264
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO ABANDON WELL.....	<input checked="" type="checkbox"/>		

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

January 26, 1957, 19

South Bluff No. 1
Well No. _____ is located 820 ft. from N line and 545 ft. from E line of sec. 12
W
N¹/₄ Sec. 12 403 22E 31E
(¹/₄ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~Derrick floor~~ ^{Ground} above sea level is 4467 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)

Total Depth 5630 feet.

On January 25, 1957 verbal permission was obtained from Mr. D.F. Russell, of the U.S. Geological Survey office, Salt Lake City, Utah, to plug and abandon this well in the following manner:

- Set No. 1 plug from 5515-5505 feet w/15 sacks cement.
- Set No. 2 plug from 5460-5408 feet w/20 sacks cement.
- Set No. 3 Plug from 4440-4389 feet w/20 sacks cement
- Set No. 4 Plug from 2450-2398 feet w/20 sacks cement
- Set No. 5 Plug from 980- 928 feet w/20 sacks cement
- Set No. 6 Plug from surface to 20 feet w/5 sacks cement

An appropriate sign and marker will be placed at the well site.

The rig will be left on location for approx. 30 days. When the rig is moved the location will be restored as nearly as possible to its original condition and the U.S. Geological

survey office in Salt Lake City, Utah will be notified of the completion date.

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

Company Three States Natural Gas Company

Address Box 67
Farmington, New Mexico

By John Carothers
Title John Carothers-Agent

February 1, 1957

Mr. D.F. Russell
District Engineer
U.S. Geological Survey
457 Federal Bldg.
Salt Lake City, Utah

Dear Mr. Russell:

Enclosed for your files is two copies each of Schlumberger Micro logs, Laterolog, and Gamma Ray-Neutron logs on our No.1 South Bluff lease Utah 012264, located 820 feet from the North line and 545 feet from the west line, Section 12, Township 40 south and Range 22 east, San Juan County, Utah.

Very truly yours,

THREE STATES NATURAL GAS CO.

John Carothers
John Carothers

Encl. 6

cc: Utah Oil & Gas Conservation
Commission w/1 copy logs.

February 3, 1957

Mr. D.F. Russell
District Engineer
U.S. Geological Survey
457 Federal Bldg.
Salt Lake City, Utah

Dear Mr. Russell:

Enclosed for your files is two copies of Schlumberger
Electrical logs on our No.1 South Bluff Lease Utah 012264, located 820 feet from
the North line and 545 feet from the west line, Section 12,
Township 40 south and Range 22 East, San Juan County, Utah.

Very truly yours,

THREE STATES NATURAL GAS CO.

John Carothers
John Carothers

Encl. 2
cc: Utah oil & Gas Conservation
Commission w/1 copy logs. ✓

MUDDING AND CEMENTING RECORD

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	76	75	HOWCO		
10-3/4	95 1/4	500	HOWCO		

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 _____ feet to 5630 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

1-27-57, 19____ Put to producing ~~19~~ logged and Abandoned 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

Wayne Horton _____, Driller B.W. McIntuff _____, Driller

Eugene Thompson _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	107	107	Surface Sand
107	870	763	Sand
870	1355	485	Sand & Shale
1355	2095	740	Chinle
2095	2420	325	Shinarump
2420	4330	1910	De Chally
4330	5460	1130	Hermosa
5460	5630 T.D.	170	Paradox

[OVER]

X			
		12	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. Utah 012264
Unit _____

*Noted
C.H.
4-9-57*

SUNDRY NOTICES AND REPORTS ON WELLS

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

April 3, 1957, 19

Well No. South Bluff No. 1 is located 820 ft. from N line and 545 ft. from E line of sec. 12

NW NW Sec. 12 (1/4 Sec. and Sec. No.) 406 (Twp.) 22E (Range) S1M (Meridian)
Wildcat (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the ~~derrick floor~~ Ground above sea level is 4467 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)

Total Depth 5630 feet.

On January 27, 1957 the well was plugged and abandon in the following manner:

No. 1 plug from 5545-5505 feet w/15 sacks cement.

No. 2 plug from 5460-5408 feet w/20 sacks cement.

No. 3 Plug from 4440-4389 feet w/20 sacks cement.

No. 4 plug from 2450-2398 feet w/20 sacks cement.

No. 5 plug from 980-928 feet w/20 sacks cement.

No. 6 plug from surface to 20 feet w/5 sacks cement

Welded steel plate and 4" marker on top of 10-3/4" csg.

On March 13, 1957 the mud pits were filled, and the location cleaned and leveled to its original condition.

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

Company Three States Natural Gas Company

Address Box 67

Farmington, New Mexico

By John Carothers
Title John Carothers-Agent