

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P & A, cor
operations suspended

4-12-57

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

-
-
-
-
-
-
-
-
-

FILE NOTATIONS

Entered in NID File ✓
 Entered On S R Sheef ✓
 Location Map Pinned ✓
 Card Indexed ✓
 IWR for State of Fee Land _____

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

COMPLETION DATA:

Date Well Completed 4-12-57
 OW _____ NW _____ TA _____
 SW _____ OS _____ PA X

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log 4-22-57
 Electric Logs (No. 1) 5

E _____ I _____ EI _____ GR _____ GRN ✓ _____ Micro _____
 Log _____ Mill _____ Sonic _____ Others Dipmeter

Sub Report of Chel.

Directional Log

X			

(SUBMIT IN TRIPLICATE)

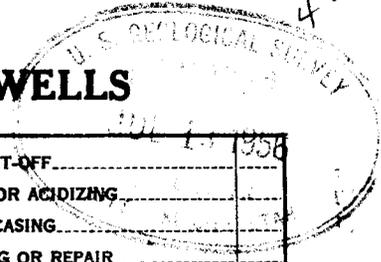
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office SIC
Lease No. 067641
Unit Bryce Canyon

*Noted
CMA
4-29-57*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	X	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)

Bryce Unit July 11, 1956

Well No. 1 is located 990 ft. from N/S line and 990 ft. from E/W line of sec. 10

SE NW NW Sec. 10 36-S 4-W S1M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Garfield County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 7750 ft. est.

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 a well at the above location to an approximate depth of 9800' or 300' into the Redwall limestone, unless commercial production is developed at a lesser depth.

The following is our proposed casing program being contingent upon the depths of lost circulation zones, flows of water or the depth of commercial production.

- 335 ft. of 13 3/8" OD 48# H-40 surface casing
- 3500 ft. of 10 3/4" OD 45# J-55 intermediate casing
- 5000 ft. of 7 5/8" OD 26.4# J-55 intermediate casing
- 9800 ft. of 5 1/2" OD 20# N-80 oil string

The surface casing will be cemented from bottom to the cellar. A sufficient amount of cement will be used on all other casing string to adequately confine oil, gas and water bearing strata.

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

Company ~~LIEXOLIX COMPANY DIVISION~~ Monsanto Chemical Company

Address 1310 Denver Club Bldg.
Denver 2, Colorado

By J.E. Buey
Title Regional Production Supt.

Note:
No drilling or producing wells
are within the area.

LEGEND

- Federal Lands
- State Lands
- Patented Lands
- 26 Tract Numbers
- Unit Boundary

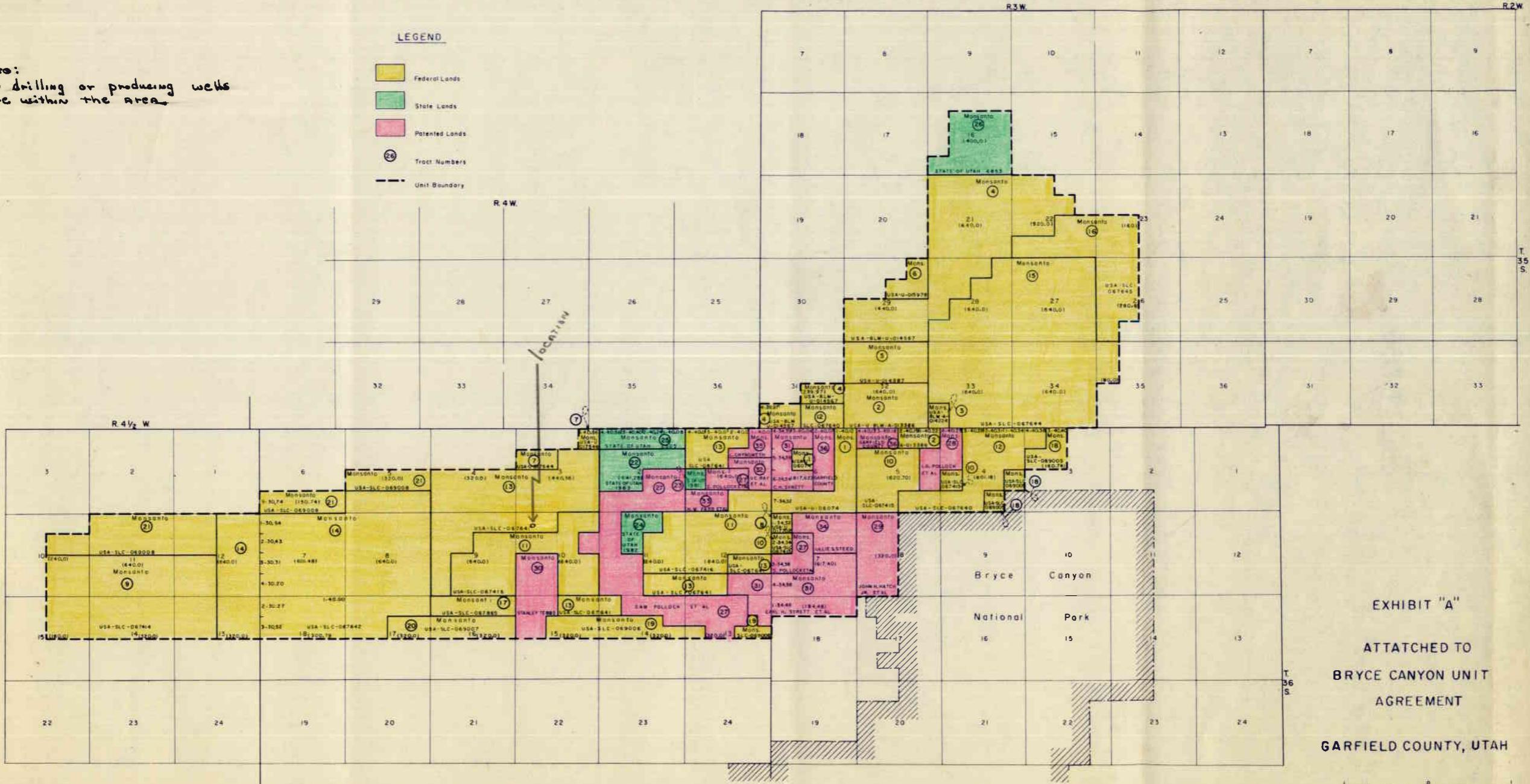


EXHIBIT "A"
ATTACHED TO
BRYCE CANYON UNIT
AGREEMENT
GARFIELD COUNTY, UTAH

LION OIL COMPANY

A DIVISION OF MONSANTO CHEMICAL COMPANY



ELDORADO, ARKANSAS

PRODUCTION & EXPLORATION
DIVISION
ROCKY MOUNTAIN REGION
SALT LAKE CITY DISTRICT

REPLY TO:
P. O. BOX 2247
SALT LAKE CITY, UTAH

July 13, 1956

Oil & Gas Conservation Commission
State of Utah
State Capitol Building
Salt Lake City, Utah

Re: Monsanto #1 Bryce
Bryce Canyon Unit
Garfield County, Utah

Gentlemen:

In compliance with Rule C-4 of the Rules and Regulations of the Oil and Gas Conservation Commission, we hereby submit two copies of our Notice of Intention to Drill. The original and required copies of said notice have been filed with U. S. G. S. this date.

Very truly yours,

LION OIL COMPANY

V. M. Basil
District Landman

VMB:bgr

Enclosure

cc: J. E. Bucy

July 16, 1956

Lion Oil Company
P. O. Box 2247
Salt Lake City, Utah

Dear Sir:

This is to acknowledge receipt of your notice of intention to drill Well No. Bryce Canyon 1, which is to be located 990 feet from the north line, and 990 feet from the west line of Section 10, Township 36 South, Range 4 West, 31M, Garfield County, Utah.

Under the General Rules and Regulations adopted by the Utah Oil and Gas Conservation Commission, any individual or company intending to drill for oil or gas in the State of Utah must file a notice of intention to drill with the Commission and have the same approved before commencement of drilling operations except for those cases which come under Rule A-3, of said rules and regulations.

It would appear from the proposed location of this well and the fact that you did not request an exception to the spacing requirements of Rule C-3 (c) you intended the above mentioned exception to apply in this case. If this assumption is correct, would you please notify this office to that effect and furnish us an approved copy of the Bryce Canyon Unit Agreement as required by Rule A-3.

If this assumption is not correct, or the Bryce Canyon Unit has not yet been approved by the department of Interior, it will be necessary for you to comply with Rule C-3 (c) before this notice of intention to drill can be approved by the Utah Oil and Gas Conservation Commission.

Yours very truly,

CLETON B. FREIGHT
SECRETARY

CBF:eo

cc: Don Russell, Dist. Eng.
USOG, Federal Bldg.
Salt Lake City, Utah

Lion Oil Company
1310 Denver Club Bldg.
Denver 2, Colorado

OH 25807

LION OIL COMPANY

A DIVISION OF MONSANTO CHEMICAL COMPANY



PRODUCTION & EXPLORATION
DIVISION
ROCKY MOUNTAIN REGION
SALT LAKE CITY DISTRICT

ELDORADO, ARKANSAS

REPLY TO:
P. O. BOX 2247
SALT LAKE CITY, UTAH

July 17, 1956

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

Re: Monsanto #1 Bryce Unit
NW $\frac{1}{4}$ Section 10, T36S, R14W
Garfield County, Utah

Gentlemen:

Thank you very much for your letter of July 16 acknowledging receipt of our Notice of Intention to Drill reference well.

We wish to take this opportunity to advise you of the current status of our operations concerning the drilling of this well. Monsanto Chemical Company intends to drill said well under Rule A-3 of the General Rules and Regulations adopted by the Utah Oil and Gas Conservation Commission. At the present time our Unit Agreement is in Washington, D. C., awaiting execution by the Director of the U.S.G.S. It has been preliminarily approved in the Supervisor's office at Casper, Wyoming. We have been informed that it will be approximately another ten days before we will be able to secure the Director's signature.

We would like to spud in this well as soon as we receive verbal notification from Washington that our Unit has been executed. We have a rig on the way and would like very much not to delay the spudding in of the well.

Oil and Gas Conservation Commission
July 17, 1956
Page 2

Due to the fact that it will be a few days from the time that we receive notification that the Agreement has been approved and the time when we will be able to furnish the Commission with an approved copy of the Unit Agreement as required by Rule A-3, we respectfully request that the Commission grant an exception to the well spacing requirements under Rule C-3 (c). We respectfully request that our location be approved, basing our request on the fact that the location is necessary due to topographical reasons and that the ownership of all oil and gas leases within a radius of 660 feet of the proposed location is common with the ownership of the oil and gas lease under the proposed location.

Very truly yours,

MONSANTO CHEMICAL COMPANY



V. M. Basil
Lion Oil Company Division
District Landman

VMB:bgr

cc: Don Russel, Dist. Eng.
U.S.G.S., Federal Bldg.
Salt Lake City, Utah

T. L. Clifton
Lion Oil Company
1310 Denver Club Bldg.
Denver 2, Colorado

LION OIL COMPANY

A DIVISION OF MONSANTO CHEMICAL COMPANY



PRODUCTION & EXPLORATION
DIVISION
ROCKY MOUNTAIN REGION
SALT LAKE CITY DISTRICT

ELDORADO, ARKANSAS

REPLY TO:
P. O. BOX 2247
SALT LAKE CITY, UTAH

July 18, 1956

Mr. Feight
Oil and Gas Conservation Commission
State of Utah
State Capitol Building
Salt Lake City, Utah

Re: Monsanto #1 Bryce Unit
NW $\frac{1}{4}$ Section 10, T36S, R4W
Garfield County, Utah

Dear Mr. Feight:

I have been requested to justify geologically the selection of the well location on the Bryce Canyon anticline. The location was made on the basis of detailed surface mapping and several different seismic interpretations. The surface work and the various seismic interpretations were not coincident and, therefore, the location was made as a compromise which would test the best features coincident to all of the geological interpretations.

Very truly yours,

LION OIL COMPANY

W. F. Grote
District Geologist

WFG:bar

July 19, 1956

Lion Oil Company
P. O. Box 2247
Salt Lake City, Utah

Dear Sir:

This is to acknowledge receipt of your letters of July 17,
and 18, 1956.

Please be advised that approval to drill Well No. Monsanto
1, 990 feet from the north line and 990 feet from the
west line of Section 10, Township 36 South, Range 4 West,
SEEM, Garfield County is hereby granted under Rule C-3 (c),
General Rules and Regulations and Rules of Practice and
Procedure, Oil and Gas Conservation Commission, State of
Utah.

Yours very truly,

GLENN B. FERRELL
SECRETARY

CBF:eo

cc: Don Russell, Dist. Eng.
USGS, Federal Bldg.
Salt Lake City, Utah

Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Land Office SIC
Lease No. 067641
Unit Bryce Canyon

X		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

*Notes
OK
4-29-57*

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	
NOTICE OF INTENTION TO ABANDON WELL	X		

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

BRYCE UNIT NO. 1 April 6, 1957

Well No. 1 is located 990 ft. from {N} line and 990 ft. from {E} line of sec. 10

SE NW NW Sec. 10 36 S 4 W S1M
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Garfield County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 7718 ft. KB

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)

On this date we are coring at 11,168'. It is our intention to core approx. to 11,248 feet and plug and abandon. The U. S. G. S. has been consulted and the method of plugging was determined. Plugging is of course contingent upon no production being encountered from present depth to ultimate total depth.

We expect to run a 25 sack cement plug at each of the following horizons: 11,016 - Coconino; 10,086 - Toroweap; 8,728 - Shinarump; 6,055 - Chinle; 4,262 or the bottom of the 10-3/4" casing and at the cut-off in the 10-3/4". A cement plug will be placed at the bottom and top of the 16" surface casing and a cement filled piece of 4" pipe extending 4 feet above ground level.

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

Company Monsanto Chemical Company
Lion Oil Company Division
Address 1310 Denver Club Building
Denver 2, Colorado

By J. E. Bucy *J. E. Bucy*

(STAMPED) Approved APR 9 1957

Title Regional Production Supt.

(SIGNED) D. F. RUSSELL

District Engineer, USGS

LION OIL COMPANY

A DIVISION OF MONSANTO CHEMICAL COMPANY



EL DORADO, ARKANSAS

PRODUCTION AND EXPLORATION
ROCKY MOUNTAIN REGION
SALT LAKE CITY DISTRICT

REPLY TO:
1130 FIRST SECURITY BLDG.
SALT LAKE CITY 11, UTAH

April 18, 1957

Re: Bryce Unit #1
Garfield County, Utah
SLC-067641

Oil and Gas Commission
State of Utah
Capitol Building
Salt Lake City, Utah

Attention: Mr. Feight

Gentlemen:

Monsanto Chemical Company's Bryce Canyon Unit #1 well was plugged and abandoned on April 12, 1957. We enclose herewith the following reports and logs:

- (1) Subsequent Report of Abandonment
- (2) Log of Oil Well - USGS Form 9-330
- (3) Microlaterolog
- (4) Directional Log
- (5) Laterolog
- (6) Gamma Ray-Neutron

We are also enclosing for your files a copy of the Notice of Intention to Abandon Well dated April 6, 1957 and a copy of our Notice of Intention to Drill so that you may complete your files in connection with reference well.

If the Oil and Gas Commission desires any more information or reports we would appreciate your contacting our Salt Lake Office.

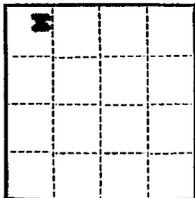
Very truly yours,

LION OIL COMPANY

V. M. Basil
District Landman

VMB/cp
Enclosures

cc: Mr. J. E. Bucy
Lion Oil Company
Denver, Colorado



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office SLC
Lease No. 06763
Unit RYCE CONVEY

*Noted
CCH
4-29-57*

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 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)

RYCE UNIT NO. 1 April 12, 1957

Well No. 1 is located 990 ft. from N line and 990 ft. from W line of sec. 10

SE 1/4 Sec. 10 36 S 4 W S1M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Garfield County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 7718 ft. **MS**

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)

At 12:01 a.m. on April 12, 1957 at total depth 11,221 feet, finished plugging and abandoning this well. After first having received approval of the U.S.G.S. District Engineer, a 25 sack cement plug was placed in each of the following intervals: 10,946 - 11,016; 10,020 - 10,086; 8,662 - 8,725; 5,989 - 6,055; 4,212 to 4,262; 296 - 318 or bottom of the surface casing and a plug in the top of the sur. cas. with a 4" pipe marker extending 4' above ground level. Recovered 1,035' of the 10 3/4" drilling casing string. Abandoned the well with 3/8' of 16" surface casing set at 303' com. w/275 sacks.

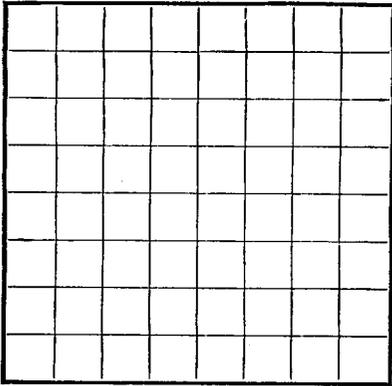
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Monaco Chemical Corp. by
Idem Oil Company Division
Address 1310 Denver Club Building
Denver 2, Colorado

By J. K. Huey *J. K. Huey*
Title Regional Prod. Supt.

446 55 1025

Form 9-330



LOCATE WELL CORRECTLY

U. S. LAND OFFICE SIC
 SERIAL NUMBER 067641
 LEASE OR PERMIT TO PROSPECT
Bryce Canyon Unit

*Noted
 CAH
 4-29-57*

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Lion Oil Company,
 1310 Denver Club Bldg.,
 Denver 2, Colorado.

Company Monsanto Chemical Company Address Denver 2, Colorado.
 Surface owner: William B. Procter Field Wildcat State Utah
 Lessor or Tract William B. Procter Meridian SIM County Garfield
 Well No. 1 Sec. 10 T. 36S R. 1W Line of 290 ft. of N Line and 990 ft. of W Line of 10 Sec. 10 Elevation 7718
(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 J. E. Bucy J. E. Bucy

Date April 12, 1957 Title Regional Production Supt.

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

Commenced drilling July 30, 1956 Finished drilling April 10, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None 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 None 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—	
16"	53.4	8	U.S.S.	303.3	Tex. Pat. Shoe	None			Sur. Casing
10-3/4"	51.04	8	U.S.S.	217.8	Goldier				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
16"	3,18.8	275 Sacks	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____, Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

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
None						

TOOLS USED

Rotary tools were used from 0 feet to 4,221 feet, and from feet to feet

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

DATES

P&A April 12, 1957 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

Tom Gaskill, Drlg. Foreman, Driller Driller

R. D. Way, Drlg. Foreman, Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	940	940	Straight Cliffs Sandstone
			<u>Electrical Log Tops:</u>
			Tropic 940 (+6744)
			Dakota 2,245 (+5473)
			Morrison 2,660 (+5058)
			Carmel 4,625 (+3093)
			Navajo 6,055 (+1663)
			Chinle 8,130 (-412)
			Shinarump 8,728 (-1010)
			Moenkopi 8,857 (-1139)
			Timpoweap 9,982 (-2264)
			Kaibab 10,086 (-2368)
			Toroweap 10,565 (-2847)
			Cocconino 11,016 (-3298)
			Total Depth 11,221 (-3503)
FROM—	TO—	TOTAL FEET	FORMATION

(OVER)

April 22, 1957

Re: Well No. Bryce Canyon
Unit 1

Lion Oil Company
1130 1st Security Building
Salt Lake City, Utah

Attention: V. M. Basil

Gentlemen:

This is to acknowledge receipt of the following reports and logs:

1. Subsequent Report of Abandonment
2. Log of Oil Well - USGS Form 9-330
3. Microlaterolog
4. Directional Log
5. Laterolog
6. Gamma Ray-Neutron

Thank you very much.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
SECRETARY

CBF:en

LION OIL COMPANY

A DIVISION OF MONSANTO CHEMICAL COMPANY



ELDORADO, ARKANSAS

PRODUCTION AND EXPLORATION
ROCKY MOUNTAIN REGION
SALT LAKE CITY DISTRICT

REPLY TO:
1130 FIRST SECURITY BLDG.
SALT LAKE CITY 11, UTAH

May 1, 1957

Re: Bryce Unit #1
Garfield County, Utah
SLC-067641

Oil and Gas Commission
State of Utah
Capitol Building
Salt Lake City, Utah

Attention: Mr. Feight

Gentlemen:

Contained herein for your files please find one
copy of the Dipmeter Log run on the above well.

Very truly yours,

LION OIL COMPANY

V. M. Basil
District Landman

cp

Enclosure

May 6, 1957

Lion Oil Company
1130 First Security Building
Salt Lake City, Utah

Attention: V. M. Basil, District Landman

Gentlemen:

This is to acknowledge receipt of the Dipmeter Log for
Well No. Bryce Unit 1, Garfield County, Utah.

Thank you very much.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

OLESON B. FEIGHT
SECRETARY

CBF:en