

Scout 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



9-2-59



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 9-2-59
OW _____ TA _____
GW _____ OS _____ PA X

Location Inspected
Bond - leased
State of Fee Land

Driller's Log 10-13-59 LOGS FILED
Electric Logs (No. 1) 4

E _____
Lat _____
M/L _____
Sonic _____

GRN _____
Micro _____
Other: Radioactivity
Gamma (2)
Neut (2)

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City, Utah

Lease No. UO 14680

Unit Chaffin

X		
	21	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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)

May 22, 19 59

Chaffin Unit

Well No. 1 is located 785.0 ft. from N line and 1960.0 ft. from W line of sec. 21

NE NW 21 (¼ Sec. and Sec. No.) 23S (Twp.) 15E (Range) S.L.M. (Meridian)
Chaffin Area (Field) Emery (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4679.5 ft. (approx. ground)

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)

Proposed Work

1. Drill 13-3/4" hole to 800'+.
2. Cement 10-3/4" casing at 800'+ with 400 sacks cement.
3. Drill 9" hole to 8000'+ (objectives Pennsylvanian and Mississippian carbonates).
4. If commercial production is obtained, a supplementary completion notice will be issued, otherwise plug and abandon.

Surface formation is Morrison

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

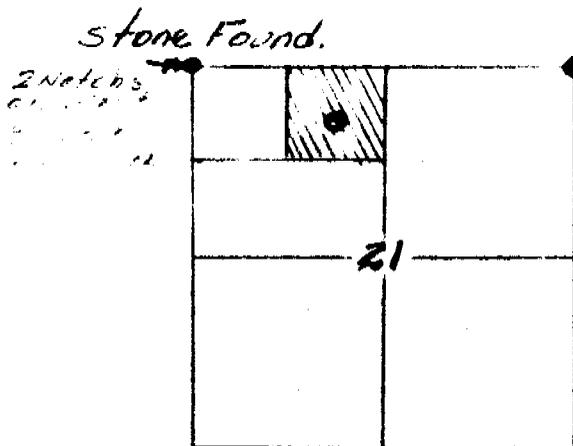
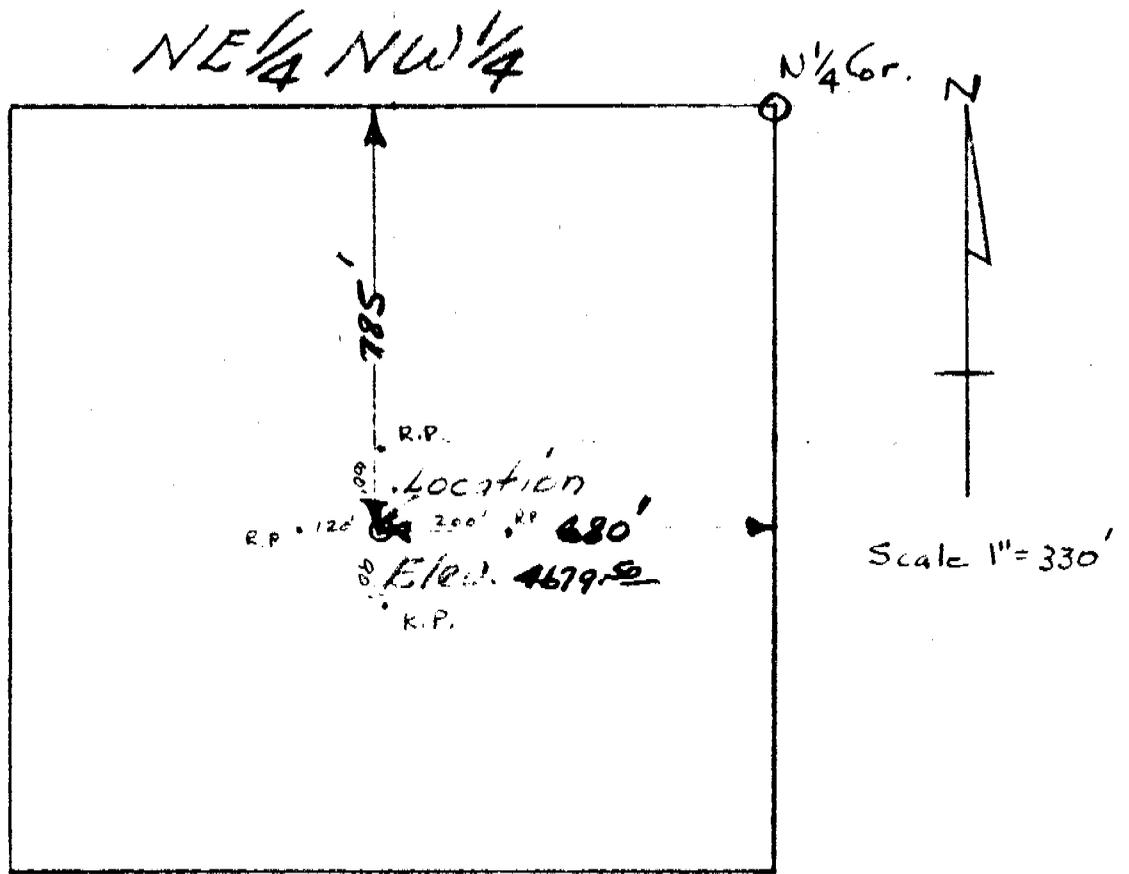
Company Shell Oil Company

Address 705 West Municipal Drive

Farmington, New Mexico

By M. A. M. Barry, Jr.
for R. S. Mac Alister, Jr.
Title Division Exploitation Engineer

CHAFFIN UNIT #1.



Stone Found.
3 notches on the East
3 notches on the South.

Note. E 1/4 Cor. Stone found.

Location marked by white flag - 4" x 4" x 5' Post with 2" x 2" x 4' EXTENSION.

32 | 33 T235, R165.
5 | 4 Steel Pipe Brass Cap.
found on South Top Line.

SHELLOIL COMPANY.
WELL LOCATION NE 1/4 NW 1/4;
SECTION 21, T235, R165 S. 1/4.
EMERY COUNTY, UTAH.
2/28/59 - 3/1/59.

This is to certify that the above plat was prepared from field notes actually made by me, and that same are true and correct to the best of my knowledge & belief.

John D. [Signature]
Utah #1050.

May 25, 1959

Shell Oil Company
705 West Municipal Drive
Farmington, New Mexico

Attention: R. S. MacAlister, Jr.,
Division Exploitation Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Chaffin Unit 1, which is to be located 785 feet from the north line and 1960 feet from the west line of Section 21, Township 23 South, Range 15 East, SLM, Emery 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.

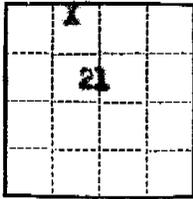
Yours very truly,

OIL & GAS CONSERVATION COMMISSION

GLENN B. FEIGHT
EXECUTIVE SECRETARY

GBF:co

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



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office CO 10600

Lease No. Chaffin

Unit _____

7/1/61
6/22

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.....	<input checked="" type="checkbox"/>
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)

June 17, 1959

Well No. Chaffin Unit 1 is located 785 ft. from N line and 1960 ft. from E line of sec. 21
NE NW 21 238 15N SLEM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian) (State or Territory)
Alcoast Sanary Utah
(Field) (County or Subdivision)

The elevation of the derrick floor above sea level is 4679.5 ft. (approx. ground)

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 6-9-59

6-14-59 Men and cemented 10-3/4", 40.5#, J-55 casing at 775' with 600 sacks
to cement, last 100 sacks treated with 2% calcium chloride. Good returns
6-15-59 to surface. Flanged up and waited on cement. Pressure tested casing
and HOP with 700 psi, O.K.

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

Company Shell Oil Company
Address 705 West Municipal Drive
Farmington, New Mexico
By A. S. Mac Alister, Jr.
Title Division Exploitation Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.
Salt Lake City, Utah

LAND OFFICE _____
LEASE NUMBER UO 14680
UNIT Chaffin Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Chaffin Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 1959,

Agent's address 705 West Municipal Drive Company Shell Oil Company
Farmington, New Mexico Original signed by _____
Signed R. S. Mac ALISTER, JR.

Phone Davis 5-8611 Agent's title Div. Exploitation Engineer

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If NONE, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
21 NE NW	23S	15E	1							Spudded 6-9-59 Drilling at 3709' as of 6-30-59

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5
Approval expires 12-31-60.

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER UO 14680
UNIT Chaffin Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Chaffin Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1959,

Agent's address 705 West Municipal Drive Company Shell Oil Company
Farmington, New Mexico Original signed by
Signed B. W. SHEPARD

Phone Davis 5-8811 Agent's title Exploitation Engineer

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
21 NE NW	23S	15E	1							Drilling at 6764' as of 7-31-59

[Handwritten signature]

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;
No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

DRILLING REPORT
FOR PERIOD ENDING

Wildcat - Chaffin Unit

(FIELD)

Emery County, Utah

(COUNTY)

7-1-59

Section 21

(SECTION OR LEASE)

T. 23 S., R. 15 E.

(TOWNSHIP OR RANGE)

DAY	DEPTH		REMARKS
	FROM	TO	
			Well: Chaffin Unit #1
			Location: 785' S., 1960' E., from the NW corner, Sec. 21, T. 23 S., R. 15 E., S.L.B.&M., Emery County, Utah
			Elevations: KB 4687.1 DF 4685.9 GL 4676.9
			Contractor: Exploration Drilling Company
			Spudded 10:30 A.M., 6/9/59
6-9 to 6-14	0	775	<u>Drilled 775'</u> with 11" bit and open hole to 15"
6-15			Ran 775', 10-3/4", 40.5#, J-55, casing and cemented with 600 sx. cement. Last 100 sx. treated with 2% CaCl ₂ . Good returns at surface. Tested B.O.P. with 700 lbs., O.K. Drilled out casing shoe and cement.
	775	995	<u>Drilled 9" hole to 995'</u> .
6-16 to 6-17	995	1184	<u>Drilled 9" hole to 1097'</u> . Stuck drill pipe 48' off bottom. Ran free point and shot off pipe at 836'. Ran in with 8 jets 8-5/8" wash over pipe and washed over fish (7" D.C.) Ran in with Bowen overshot and recovered fish to 1184'. Drilled 9" hole.
6-18 to 6-25	1184	3421	<u>Drilled 9" hole. Lost 100 bbls. mud in the interval 3366' to 3421'</u> . Added lost circulation material to mud.
6-26 to 6-28	3421	3692	<u>Drilled 9" hole. Left one cone in hole from bit #25.</u>
6-29 to 7-1	3692	3738	Ran magnet twice, drilled on junk. Reran magnet twice and recovered pieces of cone bearings. Ran globe junk basket, drilled 9" hole.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

C. A. Woodward

SIGNED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER UO 14680
UNIT Chaffin Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Chaffin Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 1959,

Agent's address P.O. Box 158 Company Shell Oil Company
Farmington, New Mexico

Phone Davis 5-8811 Signed E. W. SHEPARD
Agent's title Exploitation Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
21 NE NW	23S	15E	1							Total depth 7702'. Preparing to abandon as of 8-31-59.

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

DRILLING REPORT

FOR PERIOD ENDING

8-16-59

Section 21

(SECTION OR LEASE)

T. 23 S., R. 16 E.

(TOWNSHIP OR RANGE)

Wildcat - Chaffin Unit

(FIELD)

Emery County, Utah

(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
7-2 to 7-3	3738	4059	1/3 Drilled 9" hole. Lost + 80 bbls. mud in the interval 3992' to 4035'. Added lost circulation material to mud.
7-4	4059	4160	1/4 Drilled 9" hole. Lost + 80 bbls. mud in the interval 4062-4090'. Added lost circulation material to mud
7-5 to 7-9	4160	4676	Drilled 9" hole.
7-10	4676	4774	Drilled 9" hole. Mud contaminated by anhydrite. Circulated 6 hrs. and conditioned mud by adding caustic, soda-ash and rayflo.
7-11 to 7-27	4774	6094	Drilled 9" hole. Ran Welex Gamma Ray-Neutron and Electrical Survey Induction logs at 5645'. Changed to saturated salt base mud at 6094'
7-28 to 8-11	6094	7510	Drilled 9" hole, while pulling with 16 stands out drilling line broke, blocks fell 60' to table. Restrung drilling line, found pipe stuck.
8-12	7510		Worked and circulated stuck pipe. Parted pipe, blocks fell, drilling line broke. Repaired line, pulled 29 stands drill pipe. Ran Bowen overshot, pulled, pipe parted. Recovered 24-2/3 stands. Left 4 singles and 5' piece and 20 D.C. in hole. Top of fish 6760'.
8-13	7510		Layed down 77 joints crooked drill pipe. Cleaned out above fish with 9" bit.
8-14	7510		Fishing. Ran Bowen overshot 7" grapple, couldn't catch fish. Went in with mill and overshot. Milled 7 hrs., recovered 1' drill pipe and part of tool joint with overshot and 5-1/2" slips.
8-15	7510		Ran overshot, couldn't get over fish. Ran washover shoe, washed over fish 3'. Ran overshot, recovered 3' drill pipe.
8-16	7510		Milled on fish 3 hrs., ran in with Bowen overshot and 4-3/4" grapple, couldn't catch fish. Milled 3 hrs. with 4-3/4" mill. Ran 4-1/2" grapple, couldn't get over fish.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
15"	0	775	10-3/4"	775
9"	775	3738		
DRILL PIPE SIZES				
1 1/2"				
4 3/4"				

2

C. A. Woodward

SIGNED

Land Office Salt Lake City, Utah

Lease No. UO 14680

Unit Chaffin

(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

X			
	21		

7/14
9-14

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)

September 1, 1959

Chaffin Unit
Well No. 1 is located 785 ft. from N line and 1960 ft. from W line of sec. 21

NE NW 21 23 S 15 E GLM
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

Kelly Bushing

The elevation of the ~~datum~~ above sea level is 4687 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)

Not yet
cleared up
9-8-59
H

Status Total Depth - 770'
Casing - 10-3/4" @ 775'
Hole Size - 9" from 775' to T.D.

Proposed Abandonment Work:

- With open end drill pipe plug as follows:
 - 50 sacks cement 7150 - 7250
 - 50 sacks cement 5650 - 5750
 - 50 sacks cement 2400 - 2500
 - 50 sacks cement across shoe of surface casing (775')
- Plug at surface with 10 sacks cement plug and install abandonment marker.

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

Company Shell Oil Company

Address Post Office Box 156
Farmington, New Mexico

Original signed by
E. W. SHEPARD

By E. W. Shepard
Title Exploitation Engineer

X			
	21		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah
Lease No. UO 14680
Unit Chaffin

Handwritten:
H/G...
→ 12
9-14

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)

September 1, 1959

Chaffin Unit
Well No. 1 is located 785 ft. from N line and 1960 ft. from W line of sec. 21

NE NW 21 23 S 15 E SLM
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wilcox Emery Utah
(Field) (County or Subdivision) (State or Territory)

Kelly Bushing

The elevation of the ~~casings~~ above sea level is 4687 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)

Status: Total Depth - 7702'
Casing - 10-3/4" @ 775'
Hole Size - 9" from 775' to I.D.

Proposed Abandonment Work:

- With open end drill pipe plug as follows:
 - 50 sacks cement 7150 - 7250
 - 50 sacks cement 5650 - 5750
 - 50 sacks cement 2400 - 2500
 - 50 sacks cement across shoe of surface casing (775')
- Plug at surface with 10 sacks cement plug and install abandonment marker.

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

Company Shell Oil Company

Address Post Office Box 156
Farmington, New Mexico

By B. W. Shepard
Title Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City, Utah

Lease No. U 011680

Unit Chaffin

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

X		
	21	

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.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

September 14, 1959

Chaffin Unit

Well No. 1 is located 785 ft. from N line and 1960 ft. from W line of sec. 21

NE NW 21
(¼ Sec. and Sec. No.)

23S
(Twp.)

15E
(Range)

SLM
(Meridian)

Wildcat
(Field)

Emery
(County or Subdivision)

Utah
(State or Territory)

Kelly Bushing

The elevation of the ~~surface~~ above sea level is 4697 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)

8-31-59 DST 1 (Redwall-Mississippian) 7500-7702'. Initial shut-in 50 minutes, open 182 minutes, final shut-in 193 minutes. Immediate weak to moderate blow continuing throughout test. Recovered 3240' (43 B.) slightly salty water ISIP 3220, IPP-777 tool plugging. PSIP 3205, MP 4545/4525.

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

Company Shell Oil Company

Address Post Office Box 158

Farrington, New Mexico

Original signed by
B. W. SHEPARD

By _____

Title B. W. Shepard
Exploitation Engineer

DRILLING REPORT
FOR PERIOD ENDING

9-2-59

DAY	DEPTHS		REMARKS
	FROM	TO	
8-17		7510	Ran impression block, no good. Recovered nothing with overshot.
8-18		7510	Milled 3 hrs. with flat bottom 8-1/2" mill, no progress. Milled 8-3/4 hrs. with 7-5/8" X 4-1/2" fluted mill with 4-1/2" grapple above. Recovered 42" piece of drill pipe and tool joint. Ran in with fluted mill.
8-19		7510	Recovered 17 drill collars, 3 singles and 18' piece of drill pipe with fluted mill and 4-1/2" grapple.
8-20		7510	Circulated for 6 hrs. Fishing with overshot and 7" grapple, no luck. Ran in wash pipe. Couldn't get to fish. Cleaned out with bit. Ran in with wash pipe again.
8-21		7510	Ran 4 jts, 8-3/8" washover pipe, stopped at 3640', unable to get to bottom. Milled on fish 7 hrs. with flat bottom mill.
8-22		7510	Ran an 8-1/8" Bowen overshot w/7" grapples, unable to get over fish. Ran 1 jt. 8-3/8" washover pipe, stopped at 2250', unable to get to bottom. Ran 8-1/8" Bowen overshot w/7" grappels. Recovered 2 drill collars.
8-23		7510	Recovered 1 drill collar with 8-1/8" Bowen overshot with 7" grapple. Ran 8-1/8" Bowen overshot w/7" grapples twice. No recovery.
8-24		7510	Ran 8-1/2" Bowen overshot w/7" grapples. Recovered bit sub and bit. Recovered pieces of drill pipe with magnet and junk sub.
8-25 to 8-29	7510	7702	Ran bit #84 and junk sub. Drilled on junk for 12'. Drilled 9" hole to T.D. at 7702'. Ran Wellex Guard log and Gamma Ray Neutron log from T.D. (7702') to 5000'.
8-30		7702	Ran Forxo log from T.D. to 5000'. Ran Empires continuous velocity log from T.D. to shoe of surface casing.
8-31			DST #1, 7500-7702', Hydrology test. Ran Halliburton tester with T.C. reservoir sampler. Set 7-3/4" packers at 7496' and 7500'. Three (outside) Amerada Pressure Records at 7690', 7695' and 7699'. 1" and 3/32" bottom beans and a 1/4" top bean. Used 60' (.43 bbls.) air cushion, no water cushion. Perforations 7684-7688'. Initial shut in 50 mins., unrestricted flow 2 hrs. and 2 mins., beaned flow to purge T.C. reservoir sampler 1 hr. and final shut in 3 hrs. and 13 mins.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
15"	0	775	10-3/4"	775
9"	775	7510		
DRILL PIPE SIZES 1 1/2"				

3

C. A. Woodward

SIGNED

DRILLING REPORT

FOR PERIOD ENDING

9-2-59

DAY	DEPTHS		REMARKS
	FROM	TO	
8-31 (cont)			Opened tester at 8:28 A.M., immediate weak blow continuing steady for duration of test. Blow decreased slightly when the tool was beaned back. Recovered 3240' (43 bbls.) salt water minimum silinity 17,000 ppm NaCl (R), mud salinity before test 310,000 ppm NaCl. ISIP 3220, FSIP 3205, IHP/FHP 4545/4525. Based on the appearance of the pressure charts the tester was partially plugged during the flow period and the resulting flow pressures are questionable. IFP/FFP 1035/2295. Sand size pieces of dolomite and shale were washed from the T.C. valve when the test tool was dismantled. Ran Dennis Owen's wireline (PVT) bottom hole fluid sampler during the final shut in period. Recovered 3 fluid samples from 7350'.
9-1 to 9-2	7702		Placed plugs as follows: 50 sacks at 7250' 50 sacks at 5760' 50 sacks at 2500' 75 sacks across shoe After 6 hrs. located top of plug at 675'. Placed 10 sack plug at surface, installed marker and released rig. Plugged and abandoned 9-2-59.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

4

C. A. Woodward

SIGNED

DITCH SAMPLES

Examined by C. A. Woodward to 3700 to 4050

Well Chaffin Unit #1
Field or Area Emery County, Utah

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED (Not)
			Began logging at 3700'	
3700	3720	100	Sandstone, white, fine-med., quartz., sub-angular - sub-rounded grains, friable, fair-good porosity	
3720	3780	90	Sandstone, red, silt-fine, quartz, sub-angular grains, friable, silty matrix, poor porosity	
		10	Siltstone, maroon, w/maroon shale partings	
3780	3790	70	Sandstone, as above, micaceous	
		30	Siltstone, maroon, sandy	
3790	3800	100	Siltstone, as above	
3800	3820	100	Sandstone, as above, micaceous w/maroon-purple shale partings, in part siltstone	
3820	3870	70	Sandstone, as above, micaceous, slightly arkosic	
		30	Siltstone, brown, sandy, micaceous w/occ. brown shale partings	
3870	3880	50	Sandstone, as above, micaceous, slightly arkosic	
		50	Siltstone, as above, red brown	
3880	3900	70	Siltstone, as above, maroon	
		30	Sandstone, as above	
3900	3950	100	Siltstone, maroon w/occ. green, micaceous w/maroon and green shale partings	
3950	3960	80	Siltstone, as above	
		20	Limestone, white-tan, IVFA, dolomitic	
3960	3970	60	Siltstone, as above	
		40	Dolomite, cream, IVFA, w/numerous quartz grains, calcareous	
3970	3990	80	Dolomite, cream, IVFA w/scattered coarse quartz grains	
		20	Siltstone, brown, sandy	
3990	4000	50	Dolomite, as above	
		50	Siltstone, as above	
4000	4010	60	Dolomite, as above	
		40	Siltstone, as above	
4010	4020	80	Dolomite, light tan, IVFA, v. calcareous, fossil.	
		20	Siltstone, as above	
4020	4030	100	Limestone, cream, IVFA, fossil, slightly sandy	
4030	4050	100	Sandstone, white-light gray, vf, v. calcareous, tight, occ. grit size quartz grains and w/siltstone partings	5

DITCH SAMPLES

Examined by C.A. Woodward to 4050 to 4330

Well Chaffin Unit #1
Field or Area Emery County, Utah

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED (Not)
4050	4080	40	Sandstone, as above, white-light green	
		10	Siltstone, gray and green, calcareous	
		50	Dolomite, I/II VFA cream-light gray, pseudo-oolites, chert, calcareous	
4080	4110	100	Dolomite, white-tan, IVFA, v. sandy and silty in part sandstone and siltstone, chert and floating quartz grains, calcareous	
4110	4120	80	Dolomite, as above	
		20	Limestone, cream-light gray, I/II VFA	
4120	4140	100	Limestone, cream-light gray, I/II VFA	
4140	4150	80	Limestone, as above, w/B _{tr-3} C _{tr} , oolitic in interval 4142-46	
		20	Dolomite, light gray, III VFA	
4150	4180	100	Limestone, white-light brown, I/II VFA w/chert, slightly sandy	
4180	4190	50	Limestone, light brown, IVFA, chert	
		50	Siltstone, light gray green, quartz, calcareous, micaceous (biotite) in part vf sandstone	
4190	4200	75	Limestone, as above	
		25	Siltstone, gray, dolomitic	
4200	4210	60	Limestone, light brown, IVFA, v. fossil. (fusil, tub. foram, pseudo oolites), sandy	
		40	Siltstone, light gray and light purple, quartz, micaceous, calcareous, in part vf-f sandstone	
4210	4220	80	Limestone, as above	
		20	Siltstone, as above	
4220	4230	80	Dolomite, tan, I/II VFA, v. silty (quartz) and w/quartz sandstone stringers	
		20	Limestone, as above	
4230	4250	80	Limestone, tan, IVFA, fossil, quartz silt, chert	
		20	Dolomite, as above	
4250	4260	80	Siltstone, light red, light green and light gray, quartz, micaceous, dolomitic	
		20	Limestone, as above	
4260	4270	100	Siltstone, as above w/anhydrite inclusions	
4270	4290	100	Siltstone, as above w/brown very dolomitic siltstone and w/anhydrite inclusions	
4290	4310	80	Siltstone, brown, quartz, v. calcareous, carbonaceous texture w/anhydrite inclusions and chert	
		20	Limestone, cream, IVFA, silty	6
4310	4330	100	Dolomite, tan-brown, IVFA, v. silty w/chert and anhydrite inclusions	

DITCH SAMPLES

Examined by C.A. Woodward to _____
_____ 4330 to 4610Well Chaffin Unit #1
Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
4330	4340	40 60	Dolomite, as above Limestone, light brown-dark brown, chert and anhydrite	
4340	4360	80 20	Limestone, as above, light brown Siltstone, light gray and dark brown, quartz, v. calcareous-dolomitic w/anhydrite	
4360	4380	80 20	Siltstone, as above w/chert Limestone, light brown, IVFA	
4380	4390	100	Siltstone, as above	
4390	4400	60 40	Sandstone, white, vf, quartz, dolomitic cement, tight Siltstone, as above	
4400	4410	100	Sandstone, as above w/minor gray	
4410	4420	100	Sandstone, tan-gray, vf-f, quartz, 30% dolomitic, tight, in part sandy, dolomitic	
4420	4430	70 30	Sandstone, as above Siltstone, gray, calcareous, micaceous, quartz	
4430	4450	100	Limestone, mot. tan and dark brown, IVFA, v. sandy (quartz, vf-f) w/white micaceous sandstone partings	
4450	4460	90 10	Limestone, as above, silty Chert, clear-brown	
4460	4470	60 40	Limestone, as above, silty Sandstone, brown, silty-vf, quartz, calcareous cement 20%, tight	
4470	4490	50 50	Limestone, tan and mot. tan and dark brown, IVFA, quartz silt and sand, 5-25%. Siltstone, brown and light gray-med. gray, quartz, v. calcareous, 20-30%	
4490	4500	40 60	Limestone, tan, IVFA, fossil. Sandstone, light gray green and med-dark gray, silt-f. quartz, micaceous, calcareous cement, 5-15%, friable-hard, tight	
4500	4580	100	Sandstone, as above, w/green and gray shale partings and tan limestone partings	
4580	4590	60 40	Siltstone, dark gray Sandstone, as above	
4590	4600	100	Sandstone, brown, silt-vf, quartz, silt matrix, calcareous 10%, tight w/anhydrite blebs	
4600	4610	100	Sandstone, light-med. gray, silt-vf, quartz, micaceous, calcareous cement 10%	

DITCH SAMPLES

Examined by C.A. Woodward to 4610 to 4870Well Chaffin Unit #1
Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
4610	4620	60 40	Sandstone, as above Limestone, tan, IVFA, slightly silty (quartz) w/trace chert	
4620	4630	100	Limestone, as above	
4630	4660	100	Sandstone, light tan, vf, quartz, slightly dolomitic (10%), slightly friable-hard, poor porosity	
4660	4670	100	Sandstone, white-tan, vf-f, quartz, sub-angular to well-rounded grains, quartz, v. friable, lose grains in samples, good-fair porosity	
4670	4700		No samples	
4700	4710	100	Limestone, tan-light gray, IVFA, slightly silty and sandy, fossil.	
4710	4720	100	Limestone, brown-dark gray in part mot., IVFA, argillaceous, w/dark gray shale partings	
4720	4730	100	Anhydrite, white, chalky and crystalline	
4730	4740	80 20	Siltstone, med. gray, quartz, sandy, v. dolomitic Anhydrite, white, crystalline, blebs in siltstone	
4740	4750	100	Siltstone, as above w/anhydrite blebs	
4750	4760	70 30	Siltstone, as above w/anhydrite blebs 10% Limestone, tan, IVFA, slightly silty (quartz) 5%	
4760	4780	100	Limestone, tan-dark and light gray, IVFA	
4780	4790	60 40	Sandstone, white-light gray, silty-vf, quartz, micaceous, calcareous cement 5-10%, friable, poor porosity, tight w/partings of light gray quartz siltstone Limestone, as above	
4790	4830	100	Sandstone, as above	
4830	4840	100	Limestone, dark brown and tan, v. silty (quartz) 30%, IVFA, slightly argillaceous w/chert	
4840	4850	50 50	Sandstone, white, f, quartz, sub-angular to sub-rounded grains, calcareous cement 5-20%, poor porosity, tight, <u>trace spotty yellow SF, pale white CF, no cut</u> Limestone, as above	
4850	4860	100	Limestone, light-med. gray and dark brown, IVFA, v. silty and sandy (quartz) 20-30%, slightly argillaceous w/chert	
4860	4870	100	Limestone, tan, med. gray and dark brown, IVFA, argillaceous, slightly silty	

DITCH SAMPLES

Examined by C.A. Woodward to _____Well Chaffin Unit #14870 to 5000
A.V. Humphrys 5000 to 5080Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
4870	4890	90 10	Limestone, as above Chert, dark brown, translucent and clear	
4890	4900	90 10	Limestone, tan-brown, IVFA Chert, brown and clear	
4900	4920	100	Limestone, brown, IVFA, slightly argillaceous and silty, w/anhydrite blebs and w/chert 5%	
4920	4930	50 50	Limestone, as above, in part silty and sandy Sandstone, white-brown, vf-f, quartz, sub-well rounded grains, calcareous cement 20-30%, tight, <u>v. slight trace spotty yellow SF, no cut fluorescence</u>	
4930	4940	100	Limestone, dark brown, IVFA, argillaceous, w/brown translucent chert 5-10%	
4940	4950	100	Limestone, gray, IVFA, v. silty and sandy (quartz) 20%, w/pale blue and white chert 5%	
4950	4960	100	Limestone, brown and gray, IVFA, silty (quartz) 20%, w/brown and white chert 5%	
4960	4980	100	Limestone, tan-brown, IVFA, silty (quartz) 10%, w/partings sandstone, white, vf, 10% calcareous cement, tight, w/dark gray shale partings	
4980	5000	100	Sandstone, tan, vf, 15% calcareous w/partings limestone, brown, IVFA w/pale blue and translucent chert fragments	
5000	5010	10 80 10	Sandstone, as above Siltstone, dark brown-gray, calcareous, argillaceous Limestone, brown, IVFA	
5010	5020	100	Limestone, dark brown, IVFA, argillaceous and silty w/fossil fragments, some chert	
5020	5030		No sample	
5030	5040	100	Limestone, brown-gray-dark brown, IVFA, argillaceous and silty, w/siltstone partings, white, fossil fragments	
5040	5050	100	Limestone, as above, w/partings siltstone, light gray-green, slightly micaceous	
5050	5060	100	Dolomite, light tan, IVFA, silty (10%) w/tan siltstone partings	
5060	5070	70 30	Dolomite, as above, w/anhydrite and pale blue-translucent chert Shale, med. gray	
5070	5080	100	Dolomite, tan-brown, IVFA, silty argillaceous, blebs anhydrite	

DITCH SAMPLES

Examined by A.V.Humphrys to _____
 _____ 5080 to 5280

Well Chaffin Unit #1
 Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
5080	5090	100	Limestone, tan-brown, IVFA, silty w/blebs anhydrite	
5090	5100	40	Limestone, as above	
		60	Sandstone, white-light gray, vf, fair-poor porosity, sub-well rounded calcareous cement, <u>tight, spotty yellow SF, no CF, no cut</u>	
5100	5110	80	Sandstone, as above	
		20	Limestone, dark brown-gray, IVFA, silty, argillaceous w/dark gray shale partings	
5110	5120	100	Limestone, as above	
5120	5150	100	Limestone, tan-brown, IVFA, silty w/tan-translucent chert fragments	
5150	5160	100	Limestone, as above	
5160	5170	100	Limestone, cream, IVFA w/chert as above, very silty	
5170	5190	100	Limestone, tan, IVFA, numerous chert fragments, tan-translucent	
5190	5200	100	Limestone, tan-brown, IVFA, silty, argillaceous w/shale partings	
5200	5210	60	Limestone, as above, tan-brown, IVFA, silty, argillaceous	
		40	Shale, dark gray-dark green, silty, micaceous, v. calcareous, blebs anhydrite, chert	
5210	5220	100	Shale, as above	
5220	5230	60	Shale, as above	
		40	Limestone, dark brown, IVFA, v. argillaceous w/blebs anhydrite, <u>spotty SF, no CF</u>	
5230	5240	10	Shale, as above	
		90	Limestone, med. brown, IVFA, v. silty	
5240	5250	25	Limestone, as above	
		50	Siltstone, light gray	
		25	Sandstone, white-light gray, vf, sub-well rounded, poor porosity, calcareous cement, tight, no SF	
5250	5260	10	Sandstone, as above	
		20	Siltstone, as above	
		70	Limestone, light brown, IVFA, w/chert, brown-translucent and blebs anhydrite	
5260	5270	100	Limestone, cream, IVFA, fragments chert, pale blue-translucent	
5270	5280	70	Limestone, as above	
		30	Sandstone, light gray, silty-vf, sub-well rounded, poor porosity, calcareous cement, tight, no SF	

DITCH SAMPLES

Examined by A.V. Humphrys to _____
 _____ 5280 to 5510

Well Chaffin Unit #1
 Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
5280	5290	20	Sandstone, as above	
		80	Dolomite, tan-brown, IVFA, calcareous, argillaceous, micaceous w/chert fragments, pale blue-translucent	
5290	5300	100	Dolomite, as above	
5300	5310	100	Dolomite, brown, IVFA, calcareous	
5310	5320	80	Limestone, light brown, IVFA, argillaceous	
		20	Sandstone, pale gray-tan, vf, silty, sub-well rounded, poor porosity calcareous cement, tight, no SF	
5320	5330	80	Sandstone, as above	
		20	Limestone, tan, IVFA, fossil fragments and chert	
5330	5340	100	Limestone, tan, IVFA, fossil fragments, chert	
5340	5350	100	Limestone, tan-brown, IVFA, fossil fragments and chert w/dark gray shale partings	
5350	5360	40	Sandstone, white, vf, sub-well rounded, poor porosity, calcareous cement, tight, no SF	
		60	Limestone, as above	
5360	5370	100	Limestone, light-med. brown, IVFA, argillaceous, w/few blebs anhydrite, chert	
5370	5390	100	Limestone, med. brown-gray, IVFA, argillaceous, slightly fossil.	
5390	5400	100	Limestone, as above, w/chert	
5400	5410	100	Limestone, tan-brown, IVFA, w/pale blue-translucent chert fragments	
5410	5420	80	Limestone, as above, more ab. chert	
		20	Shale, med. gray, calcareous	
5420	5430	90	Limestone, med-dark brown, IVF-FA, argillaceous, fossil (fuss. crinoid)	
		10	Sandstone, white, vf	
5430	5460	100	Dolomite, tan, IVFA, w/fragments chert tan-translucent	
5460	5470	100	Limestone, med. brown, IVFA, argillaceous, foss., chert	
5470	5480	100	Limestone, light brown-dark brown, IVFA, forams	
5480	5490	100	Limestone, light brown, IVFA, crinoidal, micaceous, chert	
5490	5500	100	Limestone, brown, IVFA, argillaceous, w/chert fragments, brown-translucent	
5500	5510	100	Limestone, dark brown-gray, IVFA, argillaceous, foss.	

DITCH SAMPLES

Examined by A.V. Humphrys to _____
_____ 5510 to 5740Well Chaffin Unit #1
Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
5510	5520	80 20	Limestone, med-dark brown, IVFA, argillaceous, foss., chert Siltstone, med. brown-gray	
5520	5530	60 40	Siltstone, as above, w/partings limestone, dark brown, IVFA Dolomite, brown, IVFA, argillaceous, anhydritic, foss. w/partings limestone, tan, III VF-FA	
5540	5550	100	Dolomite, brown, IVFA, argillaceous, silty, slightly fossil. w/limestone partings as above	
5550	5560	100	Dolomite, brown, IVFA, argillaceous, slightly fossil. w/limestone partings tan, III VF-FA, w/chert, pale blue-translucent	
5560	5580	100	Dolomite, tan, IVFA, silty, w/chert fragments, pale blue-translucent	
5580	5590	100	Dolomite, as above, w/partings shale, dark gray	
5590	5600	100	Dolomite, as above, w/o shale, anhydritic, chert	
5600	5610	100	Limestone, tan, IVFA, numerous chert fragments, brown-translucent	
5610	5620	100	Limestone, as above, blebs anhydrite, partly chertified	
5620	5630	100	Limestone, as above, very chert	
5630	5640	100	Limestone, as above, very chert	
5640	5645	100	Limestone, as above	
5645	5650	100	Limestone, tan, IVFA, numerous chert, brown-translucent	
5650	5660	70 30	Limestone, as above Sandstone, tan-brown, vf, sub-well md, poor porosity, tight, no SF	
5660	5670	20 80	Sandstone, as above Limestone, tan, IVFA, chert	
5670	5680	100	Limestone, as above	
5680	5690	100	Chert, light tan to pale blue, 10% calcareous	
5690	5700	100	Chert, as above	
5700	5710	100	Chert, med-dark brown, 15% calcareous	
5710	5730	100	Chert, as above	
5730	5740	30 70	Limestone, tan, III VF-FB ₂ C ₂ , sucrosic, w/foss. fragments, <u>good, good</u> <u>uniform bright golden yellow fluorescence, good, yellow cut fluorescence</u> Limestone, dark brown, IVFA, w/shale partings, dark gray	

DITCH SAMPLES

Examined by A. V. Humphrys to _____
5740 to 5890Well Chaffin Unit #1
Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
5740	5750	100	Limestone, dark brown, IVFA, w/shale partings, dark gray	
5750	5760	100	Limestone, medium brown, III VF-MA, foss., silty	
5760	5770	100	Limestone, tan, III VF-MB ₅ C _{tr} , silty, numerous foss. fragments, w/ white chert, <u>trace yellow fluorescence</u> , <u>trace yellow cut fluorescence</u>	
5770	5780	90 10	Limestone, brown, III VF-MA, silty, anhydritic, chert, brown-translucent Siltstone, brown, foss. fragments.	
5780	5790	100	Limestone, brown to dark brown, III VF-FA, silty, anhydritic, foss. fragments	
5790	5800	70 30	Siltstone, dark brown, calcareous Limestone, as above.	
5800	5810	20 80	Siltstone, tan to light gray, calcareous, w/dark gray shale partings Limestone, tan to brown, IIIVFA, numerous foss. fragments, chert, anhydrite blebs	
5810	5820	70 30 10	Siltstone, light brown, calcareous, w/anhydrite blebs w/light gray shale partings Dolomite, dark brown, IVFA, foss. Limestone, as above.	
5820	5830	60 40	Siltstone, tan, calcareous Limestone, tan to light brown, I/III VFA, foss., <u>trace dull yellow SF</u> , <u>tr. CF</u>	
5830	5840	40 30 30	Siltstone, tan-brown, calcareous Dolomite, dark brown, IVFA Limestone, as above, w/chert fragments	
5840	5850	30 50 20	Siltstone, as above Dolomite, as above Limestone, light-dark brown, IVF-FA, gray shale partings, anhydritic, chert	
5850	5860	100	Dolomite, brown-dark brown, IVFA	
5860	5870	60 20 20	Dolomite, light-dark brown, IVFA, chert, Siltstone, light-dark brown, calcareous Limestone, brown-dark brown, IVFA	
5870	5880	80 20	Dolomite, as above Limestone, as above, silty	
5880	5890	70 20 10	Dolomite, as above Limestone, as above Siltstone, as above	

DITCH SAMPLES

Examined by A. V. Humphrys to _____
_____ 5890 to 6090Well Chaffin Unit #1
Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
5890	5900	20	Dolomite, as above	
		80	Limestone, dark brown, IVFA w/anhydrite and chert	
5900	5910	10	Dolomite, as above	
		50	Siltstone, silty-vf, tan-dark brown, v. calcareous, numerous chert fragments	
		40	Sandstone, light brown, vf, friable, calcareous	
5910	5920	100	Sandstone, tan-gray, vf, calcareous, <u>tr. dull yellow spotty SF, good yellow CF</u>	
5920	5930	60	Siltstone, as above	
		40	Anhydrite, dolomitic, chert	
5930	5940	60	Siltstone, as above	
		40	Anhydrite, as above	
5940	5950	100	Siltstone, tan-light gray, dolomitic, sandy, <u>sp. dull yellow SF, no CF</u>	
5950	5960	60	Siltstone, tan-light gray, sandy, dolomitic, anhydritic, <u>sp. dull yellow SF, no cut Fl.</u>	
		40	Dolomite, light brown, IVFA, w/anhydrite inclusions	
5960	5970	30	Siltstone, as above	
		70	Shale, gray, dolomitic, micaceous	
5970	5980	100	Siltstone, tan-dark gray, dolomitic, w/light green shale partings <u>sp. bright yellow SF, no CF</u>	
5980	5990	70	Siltstone, as above, <u>fluorescence as above</u>	
		30	Dolomite, tan-brown, III VFA	
5990	6000	80	Siltstone, silty-vf, tan-brown, calcareous, w/bright green shale partings, <u>SF as above</u>	
		20	Dolomite, as above	
6000	6010	70	Siltstone, white-brown, silty-vf, calcareous, micaceous	
		30	Limestone, brown, IVFA, fossiliferous	
6010	6020	100	Siltstone, as above	
6020	6030	40	Siltstone, as above	
		40	Anhydrite, white	
		20	Salt (logged from drilling break)	
6030	6060	100	Siltstone, as above	
6060	6090	100	Anhydrite, white, w/brown shale and siltstone partings	

DITCH SAMPLES

Examined by A.V. Humphrys to 6090 to 6450Well Chaffin Unit #1Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
6090	6100	40 60	Anhydrite, as above Salt	
6100	6210	100	Salt	
6210	6220	50 50	Salt Siltstone, tan, dolomitic	
6220	6270	100	Siltstone, as above	
6270	6280	100	Salt	
6280	6290	60 40	Salt Anhydrite	
6290	6300	100	Siltstone, as above	
6300	6310	100	Dolomite, brown-tan, IVFA, silty	
6310	6320	40 60	Dolomite, as above Siltstone, tan, dolomitic, w/black shale partings	
6320	6330	100	Siltstone, as above	
6330	6340	100	Siltstone, as above	
6340	6350	70 30	Anhydrite, white Siltstone, as above	
6350	6360	100	Anhydrite	
6360	6370	30 70	Anhydrite Siltstone, tan, dolomitic	
6370	6380	100	Siltstone, as above	
6380	6390	50 50	Siltstone, as above Salt	
6390	6420	100	Salt	
6420	6430	30 50 20	Salt Siltstone, white-gray, dolomitic w/blebs anhydrite Dolomite, gray-light brown, III VFA	
6430	6440	60 40	Siltstone, as above Dolomite, as above w/black shale partings, blebs anhydrite	
6440	6450	40 60	Siltstone, light brown, dolomitic Dolomite, light brown, I/III VFA w/anhydrite blebs	

DITCH SAMPLES

Examined by A.V. Humphrys to _____
6450 to 6800Well Chaffin Unit #1Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
6450	6480	100	Siltstone, light brown-gray, dolomitic w/anhydrite blebs	
6480	6490	60	Siltstone, as above	
		40	Anhydrite, white-gray, dolomitic	
6490	6500	100	Anhydrite, as above	
6500	6510	50	Siltstone, light gray, dolomitic	
		50	Dolomite, light gray, III VFA	
6510	6520	100	Dolomite, as above	
6520	6530	80	Dolomite, brown-gray, I/III VFA	
		20	Shale, black, carbonaceous	
6530	6540	100	Siltstone, white-light brown, micaceous	
6540	6550	100	Siltstone, tan, dolomitic	
6550	6560	70	Anhydrite, white	
		30	Shale, black, v. carbonaceous	
6560	6570	20	Anhydrite	
		50	Dolomite, tan, IVFA	
		30	Siltstone, tan, dolomitic	
6570	6580	40	Dolomite, tan-brown, I/III VFA	
		60	Siltstone, tan-brown, dolomitic w/anhydrite partings	
6580	6590	100	Siltstone, as above	
6590	6600	80	Siltstone, as above	
		20	Dolomite, tan-gray, IVFA w/shale and anhydrite partings	
6600	6610	70	Siltstone, as above	
		30	Dolomite, as above	
6610	6620	60	Siltstone, as above	
		40	Salt	
6620	6750	100	Salt w/anhydrite and siltstone inclusions	
6750	6760	20	Salt	
		80	Siltstone, tan, dolomitic, v. carbonaceous	
6760	6770	100	Siltstone, as above	
6770	6780	20	Siltstone, as above	
		80	Shale, black, non calcareous, carbonaceous	
6780	6800	100	Shale, as above, 5-10% silt, slightly pyritic	

DITCH SAMPLES

Examined by A. V. Humphrys to _____
_____ 6800 to 7190Well Chaffin Unit #1
Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
6800	6820	100	Siltstone, tan, dolomitic	
6820	6830	100	Shale, black, v. carbonaceous	
6830	6840	50	Shale, as above	
		50	Siltstone, tan dolomitic	
6840	6850	50	Siltstone, as above	
		50	Salt	
6850	6860	100	Salt	
6860	6870	40	Salt	
		60	Shale, black, v. carbonaceous	
6870	6900	100	Shale, as above, w/siltstone and anhydrite inclusions	
6900	6910	100	Salt	
6910	6920	40	Salt	
		60	Shale, as above	
6820	6840	100	Shale, as above	
6840	7020	100	Anhydrite, white, w/shale and siltstone partings	
7020	7080	100	Salt	
7080	7090	90	Siltstone, brown-gray, dolomitic	
		10	Dolomite, brown, IVFA, w/anhydrite	
7090	7100	90	Siltstone, as above	
		10	Dolomite, as above	
7100	7130	90	Siltstone, tan	
		10	Dolomite, tan, IVFA	
7130	7140	80	Siltstone, as above	
		20	Limestone, medium brown, IVFA w/sandy partings, very coarse, white	
7140	7160	100	Limestone, as above, w/siltstone and sand partings	
7160	7170	70	Sand, white, vc, sub-angular - well rounded, conglomeritic w/anhydrite	
		30	Limestone, as above	
7170	7180	30	Sand, white, vc, sub-angular - well rounded, conglomeritic	
		50	Limestone, med. brown, IVFA	
		20	Dolomite, tan-brown, IVFA, w/numerous anhydritic partings	
7180	7190	90	Siltstone, light brown	
		10	Dolomite, as above	

DITCH SAMPLES

Examined by A.V. Humphrys to _____
_____ 7190 to 7450Well Chaffin Unit #1
Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
7190	7200	100	Siltstone, light brown, w/anhydrite partings	
7200	7210	80	Anhydrite, white	
		20	Siltstone, as above	
7210	7220	80	Anhydrite, white	
		20	Limestone, medium brown-dark brown, IVFA	
7220	7230	20	Limestone, as above	Faint sp. yellow SF & CF
		70	Sandstone, silty-vf	<u>7220-7250</u>
		10	Dolomite, dark brown, IVFA	
7230	7250	80	Limestone, tan, IVFA	
		20	Limestone, medium brown, IVFA	
7250	7290	90	Limestone, med. brown, IVFA	
		10	Siltstone, light-med. brown	
7290	7300	100	Limestone, tan, I/III VFA w/anhydrite	
7300	7320	60	Limestone, as above	Tr. dull yellow SF
		40	Dolomite, tan, IVFA, slightly fossiliferous	<u>No CF - 7300-7360</u>
7320	7330	100	Limestone, as above	
7330	7340	100	Limestone, tan-brown I/II VFA w/chert fragments	
7340	7360	100	Limestone, tan, IVFA, slightly fossiliferous	
7360	7370	70	Limestone, as above	
		30	Dolomite, tan, I/II VFA <u>w/5% uniform dull yellow SF, no CF</u>	
7370	7380	100	Limestone, tan-brown, IVFA	
7380	7390	-	No sample caught	
7390	7400	100	Limestone, as above, fossiliferous, chert fragments, anhydritic	
7400	7420	100	Limestone, light tan, IVFA	
7420	7430	100	Limestone, light brown, IVFA	
7430	7440	70	Limestone, as above	
		30	Siltstone, maroon, argillaceous	
7440	7450	50	Limestone, brown, IVFA	
		50	Siltstone, white, argillaceous	

DITCH SAMPLES

Examined by A.V. Humphrys ⁷⁴⁵⁰ to 7500
C.A. Woodward 7500 to 7650

Well Chaffin Unit 1
 Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
7450	7460	20 80	Siltstone, maroon Limestone, tan, IVFA	
7460	7470	100	Limestone, as above	
7470	7480	100	Limestone, light tan-brown, IVFA	
7480	7490	30 70	Siltstone, maroon Limestone, white-tan, IVFA	
7490	7500	100	Limestone, as above, w/part siltstone as above	
7500	7510	100	Limestone, as above	
7510	7530	100	Limestone, white, IVFA	
7530	7550	100	Dolomite, light gray-brown, IVFA w/tr. blebs anhydrite	
7550	7570	100	Dolomite, tan-brown, I/III VFA w/tr. anhydrite blebs and chert, w/5% sp. yel. S.F. and light yel. C.F. in the interval <u>7560-70.</u>	
7570	7580	80 20	Dolomite, tan-brown, III/I VFA w/tr. anhydrite and chert Dolomite, white IL B ₂ C ₂	
7580	7590	50 25 15 10	Dolomite, white IL B ₂ C ₂ Dolomite, brown, III/I VFA Anhydrite Chert	
<u>DEPTH CORRECTION AT 7593'</u>				
<u>CORRECTED DEPTH 7579' (-14 ft.)</u>				
7579	7590	95 5	Dolomite, brown III VFA w/tr. anhydrite blebs Chert, clear and light brown	
7590	7610	100	Limestone, white IVFA 10% dolomite	
7610	7620	70 30	Dolomite, brown, III/I VFA Limestone, as above	
7620	7630	90 10	Dolomite, brown III/I VFA Dolomite, white, IL B ₁ C ₁	
7630	7640	70 20 10	Dolomite, brown III/I VFA Dolomite, white IL B ₁ C ₁ Limestone, white, IVFA ¹	
7640	7650	50 50	Dolomite, brown, III/I VFA w/anhydrite and trace chert Limestone, as above	

DITCH SAMPLES

Examined by C.A. Woodward to _____
 _____ 7650 to 7702

Well Chaffin Unit 1
 Field or Area Emery County, Utah

From	To	%	Shows Underlined	Samples Lagged (Not)
7650	7660	100	Dolomite, white-light tan, III/I VFA-B ₁ -C ₁	
7660	7670	100	Dolomite, white-brown, I/III VF B ₁ C ₂ w/5% white dolomite, IM-LB ₁ -C ₁	
7670	7680	100	Dolomite, brown, III/I VF B ₁ C ₁ <u>w/tr. sp. yel. S.F., No C.F., No cut</u>	
7680	7690	90 10	Dolomite, white-brown, I/III VF B ₁ C ₁ Dolomite, white, IM-L B ₁ C ₁	
7690	7702	70 30	Dolomite, white-tan, I/III VF-F B ₁ C _{tr} Dolomite, white, IM-L B ₁ C ₁	
			<u>Circulation sample at T.D. 7702'</u>	
Circ. Sample		80 20	Dolomite, white-tan, I/III VF-F B ₁ C _{tr} Dolomite, white IM-L B ₁ C ₁	

7702' T.D.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER NO 11680
UNIT Chaffin Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Chaffin Area

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1959.

Agent's address P. O. Box 158 Company Shell Oil Company
Farmington, New Mexico Original signed by

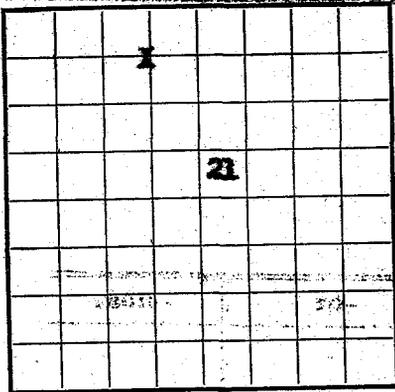
Signed R. S. Mac ALISTER, JR.

Phone Davis 5-8811 Agent's title Div. Exploitation Engineer

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
21 NE NW	23S	15E	1							Abandoned 9-2-59

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;
No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FORMATION RECORD - Continued

TYPICAL FORM NO. 100 (REV. 1-25-54)

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Shell Oil Company Address Post Office Box 158, Farmington, N.M.
Lessor or Tract Federal - Chaffin Unit Field Wildcat State Utah
Well No. 1 Sec. 21 T. 23S R. 15E Meridian SLM County Emery
Location 785 ft. ^N_S of N Line and 1960 ft. ^E_W of N Line of Sec. 21 Elevation 1687 LD
(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.
Original signed by B. W. SHEPARD
Signed _____

Date September 30, 1959 Title Exploitation Engineer

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

Commenced drilling June 9, 1959 Finished drilling August 29, 1959

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 _____

Attached: DRILLING HISTORY

CASING RECORD

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

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4</u>	<u>775'</u>	<u>600</u>	<u>Displacement</u>	<u>-</u>	<u>-</u>

PLUGS AND ADAPTERS

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

FOLD MARK

SHOOTING RECORD

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

OCT 13 1959

TOOLS USED

Rotary tools were used from 0 feet to 7702 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Abandoned as a "dry hole"

DATES

September 2, 19 **59** 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

_____, Driller **Exploration Drilling Company**, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
Surface	160	160	Morrison
160	310	150	Summerville
310	370	60	Curtis
370	985	615	Entrada
985	1190	205	Carmel
1190	1640	450	Navajo
1640	1913	273	Kayenta
1913	2234	321	Wingate
2234	2534	300	Chinle
2534	2580	46	Shinarump
2580	3047	467	Honekopi
3047	3260	213	Sinbad
3260	3711	451	Cococino
3711	5824	1413	Catler
5824	5898	774	Hernosa
5898	7424	1526	Paradox
7424	7452	28	Kolas
7452	-	-	Redmill

FORMATION RECORD - **Continued**

X			
	21		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah
Lease No. UO 14680
Unit Chaffin

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.....	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)

November 12, 1959

Chaffin Unit

Well No. 1 is located 765 ft. from N line and 1960 ft. from W line of sec. 21

NE NW 21
($\frac{1}{4}$ Sec. and Sec. No.)

23 S
(Twp.)

15 E
(Range)

SLM
(Meridian)

Wasatch
(Field)

Emery
(County or Subdivision)

Utah
(State or Territory)

Kelly Bushing

The elevation of the derrick floor above sea level is 4687 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)

Abandonment Work

- With open end drill pipe plugged as follows:
 - 50 sacks cement 7150 - 7250
 - 50 sacks cement 5660 - 5760
 - 50 sacks cement 2400 - 2500
 - 75 sacks cement 675 - 775
- Plugged at surface with a 10 sack cement plug and installed abandonment marker. Abandoned 9-2-59.

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

Company Shell Oil Company

Address P. O. Box 158

Farmington, N. M.

Original signed by
E. W. SHEPARD
By [Signature]
B. S. MacAllister
Title Division Exploitation Engineer