

# FILE NOTATIONS

Entered in NID File

.....✓.....

Checked by Chief

.....✓.....

Entered On S R Sheet

.....✓.....

Copy NID to Field Office

.....✓.....

Location Map Pinned

.....✓.....

Approval Letter

.....✓.....

Card Indexed

.....✓.....

Disapproval Letter

.....

IWR for State or Fee Land

.....

## COMPLETION DATA:

Date Well Completed

8-2-58

Location Inspected

.....

OW.....

WW.....

TA.....

Bond released

.....

GW.....

OS.....

PAX

State of Fee Land

.....

## LOGS FILED

Driller's Log

9-8-58

Electric Logs (No. )

3

E.....

I.....

E-I.....

✓

GR.....

GR-N.....

✓

Micro.....

✓

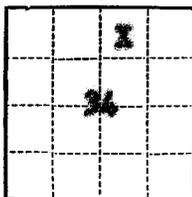
Lat.....

Mi-L.....

Sonic.....

Others.....

Sub Rep of [Signature]



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah  
Lease No. SL 067710-1  
Unit Bluff

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)

June 23, 19 58

Bluff Unit  
Well No. 31-34 is located 660 ft. from N line and 1980 ft. from E line of sec. 34  
NE 28 34 39S 23E SLBN  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Bluff San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation ~~of the former floor level~~ is 4960 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:

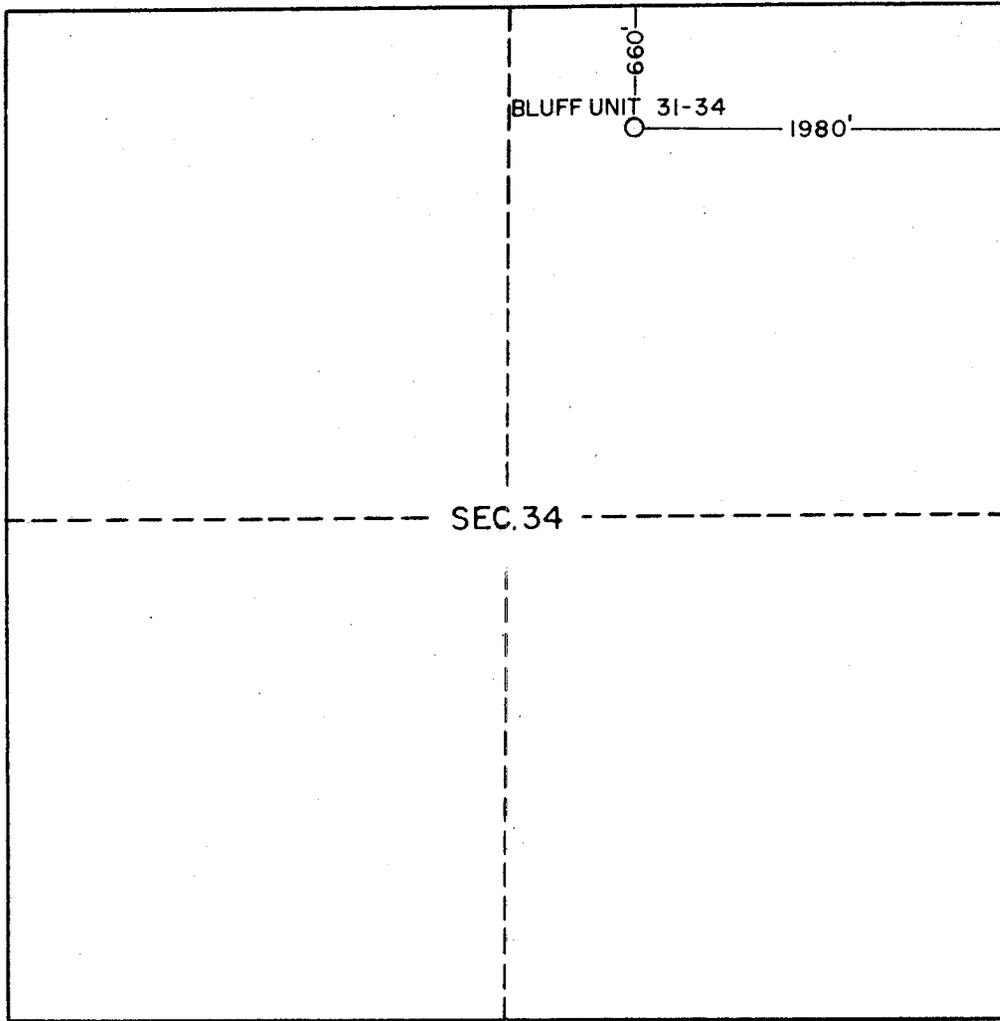
1. Drill 12-1/4" hole to 500'±.
2. Cement 8-5/8" casing at 500'± with 400 sacks treated cement.
3. Drill 7-7/8" hole to 6000'±.
4. Run logs as needed.
5. Make production test. If commercial production is obtained subsequent report will follow.

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 101 South Behrend Avenue  
Farmington, New Mexico  
By B. W. Shepard  
Original signed by B. W. SHEPARD  
Title Exploitation Engineer

R 23 E

T  
39  
S



ELEVATIONS  
 U.G. 4961.7  
 G.G.  
 D.F.  
 K.B.

This is to certify that the above plat was plotted from field notes of a survey made under my supervision, and that the same is true and correct to the best of my knowledge and belief.

*Garth Behm*  
 Registered Land Surveyor  
 Certificate No. 2158

DRAWN BY

TRACED BY

CHECKED BY

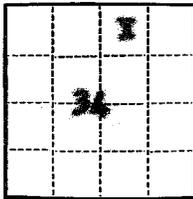
**SHELL OIL COMPANY**

DATE 6/22/58

SCALE 1" = 1,000'

FILE NO. Z-20-932

LOCATION OF BLUFF UNIT 31-34 660' S & 1980' W FROM  
 NE COR. SEC. 34, T39S, R23E, SLM, SAN JUAN CO., UTAH



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah

Lease No. SL 067710A

Unit Shell

*Handwritten:* 7-9

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

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

July 7, 19 58

Well No. Shell Unit 31-34 is located 660 ft. from [N] line and 1980 ft. from [E] line of sec. 34

NE 34 (¼ Sec. and Sec. No.)      39S (Twp.)      23E (Range)      S.L.B.M. (Meridian)

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

The elevation of ~~the surface of the ground~~ is 4950 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

(Spudded 7-2-58)

**7-2, 3-58** Ran and cemented 3-5/8" 254, 3-55 casing at 516' with 400 sacks treated cement. Good returns to surface. Flanged up and waited on cement. Tested BOP and casing with 1000 PSI for 15 min., O. K.

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

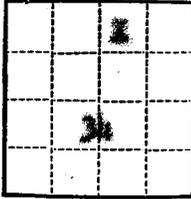
Company SHELL OIL COMPANY

Address 101 South Redwood Avenue  
Farmington, New Mexico

Original signed by  
B. W. SHEPARD

By B. W. Shepard  
Title Exploration Engineer

*W*



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah

Lease No. SL 067710 A

Unit Bluff

*7/14  
8-11-58*

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

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

July 21, 1958

Bluff Unit

Well No. 21-34 is located 660 ft. from N line and 1900 ft. from E line of sec. 34

NE 34  
(¼ Sec. and Sec. No.)

19S  
(Twp.)

21E  
(Range)

SLM  
(Meridian)

Wildcat  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

Kelly Bushing

The elevation of the ~~conductor~~ above sea level is 4973.1 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: TD 5955'  
8 5/8" casing @ 516'

Proposed Work:

1. Plug as follows:  
45 sacks cement 4900-4765'  
30 sacks cement 2820-2730'  
30 sacks cement 1250-1160'  
60 sacks cement 550-370'
2. Find top of top plug. If below 470'. Recement.
3. Plug pipe with 10 sacks cement cap; install marker and abandon in accordance with USGS Regulations.

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

Original signed by  
B. W. SHEPARD  
By B. W. Shepard  
Title Exploitation Engineer

Bluff

**DRILLING REPORT**

FOR PERIOD ENDING

34

(FIELD)  
San Juan Utah  
(COUNTY)

8-2-58

(SECTION OR LEASE)  
T39S R23E  
(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<p><u>Location:</u> 660' S and 1980' W of NE corner Sec. 34 T39S, R23E, SEBM, San Juan County, Utah.</p> <p>Elevations; DF 4971.9' GR 4962.1' KB 4972.1'</p>
7-2 to 7-5	0	875	<p>Spudded 9:00 P.M. 7-2-58. Rand and cemented (506') 8 5/8", 28#, J-55 casing at 516' with 300 sacks 1:1 Diamix followed by 100 sacks cement all treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 1000 psi for 15 minutes, OK. Located top of cement at 460'.</p>
7-6 to 7-12	875	3783	<p><u>Drilled 2908'</u>. Twisted off at 3713' leaving 21 drill collars in hole, recovered with Bowen overshot.</p>
7-13 to 7-24	3783	5678	<p><u>Drilled 1895'</u>.</p>
7-25	5678	5955	<p><u>Drilled 33'</u>. <u>Cored 234'</u>. Core #1 5695'-5699' Rec. 4', Core #2 5704-5736' Rec. 32', Core #3 5738-5750 Rec. 12', Core #4 5750-5781 Rec. 30', Core #5 5843-5896 Rec. 52', Core #6 5896-5929 Rec. 11'. Ran Induction Electrical Survey, Gamma Ray-Neutron log and microlog.</p>
8-1	5955	TD	<p>With open end drill pipe, plugged as follows:</p> <p>4900' - 45 sacks cement 2820' - 30 sacks cement 1250' - 30 sacks cement 550' - 60 sacks cement (3% calcium chloride)</p> <p>After 24 hours located top of plug at 366', held weight of drill pipe. Installed 10 sack cement plug in top of casing, placed abandonment marker, on well released rig 8:00 A.M. 8-2-58. <u>Well abandoned.</u></p>

Checked BOP daily mud summary

WT 9.2 - 10.1 #/gal  
WS 33 - 50 sec  
WL 8.2 - 22 cc  
FG 2/32"

Contractor: R.L. Manning  
Drillers: I. Endicott  
G.G. Deermar  
T.J. Moore

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE		CASING SIZE	DEPTH SET
	FROM	TO		
12 1/4"	0	516	8 5/8"	516'
7 7/8"	516	5695	-	-
7 3/4"	5695	5925	-	-
DRILL PIPE SIZES	4 1/2"			

W. A. KENNEDY

SHELL OIL COMPANY

WEEK ENDING \_\_\_\_\_

CORE FROM \_\_\_\_\_ TO \_\_\_\_\_

CORES EXAMINED BY W.A. Kennedy & Roy Few

CORE RECORD

AREA OR FIELD Bluff Unit

COMPANY Shell Oil Company

LEASE AND WELL NO. 31-34

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
							CORE OR DITCI
Core #1	5695	5699	4'	<u>Limestone</u> , medium to dark brown, IVFA, <u>2-5% pale to bright blue-yellow fluorescence and cut fluorescence diminishing to trace. Faint hydrocarbon odor on several fractures.</u>  <u>Drilled 4 feet to clean out.</u>			See core description
Core #2	5704'	to 5736'	32'				
	5704	5706	2'	<u>Limestone</u> , dark brown-medium gray IVFA with abundant calcite filled fractures. Argillaceous. <u>20% pale yellow fluorescence &amp; cut fluorescence diminishing to trace.</u>			
	5706	5710	4'	<u>Limestone</u> , dark gray to brown, IVFA, argillaceous, calcite filled fractures. No shows.			
	5710	5712	2'	<u>Limestone</u> , as above, <u>trace to 5% pale yellow fluorescence &amp; cut fluorescence.</u>			
	5712	5736	24'	<u>Limestone</u> , dark brown to gray, IVFA, occasional calcite filled fractures. No shows.			
Core #3	5738	to 5750,	12'				
	5738	5742	4'	<u>Shale</u> , dark-gray-black, slightly calcareous. "Poker chip".			
	5742	5749	7'	<u>Limestone</u> , dark brown to gray, IVFA, argillaceous, fusulinids.			
	5749	5750	1	<u>Limestone</u> , light gray, I-III VFA, argillaceous.			

SHELL OIL COMPANY

WEEK ENDING \_\_\_\_\_

CORE FROM 5748 TO 5781' rec 30'

CORE RECORD

AREA OR FIELD \_\_\_\_\_

COMPANY Shell Oil Company

CORES EXAMINED BY \_\_\_\_\_

LEASE AND WELL NO. Bluff 31-34

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
CORE OR DITCH							
<u>Core #4, 5748' to 5781', 33 Recovered</u>							
5748	53	5'		<u>Limestone</u> , light gray, IIIVFA, slightly silty, micaceous, clean.			See core description
5753	54	1'		<u>Limestone</u> , light brown-light gray, III-IVFA, micaceous, silty, slightly argillaceous.			
5754	56	1'		<u>Limestone</u> , light brown, I-IIIIVFA, very abundant micro-fossils, silty, abundant forams.			
5756	57	1'		<u>Limestone</u> , light brown, I-IIIIVFBIC <sub>3</sub> , abundant forams, & algal-type fragments, <u>25% spotty yellow fluorescence and cut fluorescence.</u>			
5757	59	2'		Skip core description.			
5759	60	1'		<u>Limestone</u> , light brown-light gray, I-IIIIVFBIC, dolomite & anhydrite filling fractures, <u>30-40% Pale spotty blue yellow fluorescence and cut fluorescence.</u>			
5760	61	1'		<u>Limestone</u> , light gray-light brown, III-IVF-FCD <sub>5</sub> , fossil fragments (brachiopod) stylolitic, <u>dolomite filling some pore spaces with 30% dull blue-yellow fluorescence and yellow cut fluorescence.</u>			
5760	62	2'		<u>Limestone</u> , light brown-light gray, I-IIIIVFCD <sub>5</sub> , with abundant dolomite filled pore spaces, <u>50-60% pale yellow fluorescence and cut fluorescence.</u>			
5762	63	1'		<u>Limestone</u> , light gray-light brown, I-IIIIVFCD <sub>5</sub> , with dolomite filled pore spaces, <u>40% pale fluorescence.</u>			
5763	64	1'		<u>Limestone</u> , medium gray-brown, IVFA, with dolomite filled pore spaces, no shows with argillaceous streaks.			
5764	65	1'		<u>Limestone</u> , light gray-medium brown, III-IVFA, with occasional to abundant forams & fusulinids, rare pyrite inclusions, occasional clear calcareous crystals.			
5765	66	1'		<u>Limestone</u> , light gray-brown, III-IVF-FA, with occasional small fossil fragments and calcareous inclusions.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).  
 NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

## SHELL OIL COMPANY

WEEK ENDING \_\_\_\_\_

AREA OR FIELD \_\_\_\_\_

CORE FROM 5748 TO 5781' rec 30'

## CORE RECORD

COMPANY Shell Oil Company

CORES EXAMINED BY \_\_\_\_\_

LEASE AND WELL NO. Bluff 31-34

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITC
#4	5766	68	2'	<u>Limestone</u> , medium-dark gray, III-IVFA, with occasional crinoid stems & fossil fragments, abundant pyrite, crystals, slightly silty and argillaceous.			See core description
	5768	69	1'	<u>Limestone</u> , as above, & occasional fusulinids & brachiopods.			
	5769	71	1'	<u>Limestone</u> , light gray-light brown, IVFA, with abundant calcareous & dolomite filled fractures & pores.			
	5771	72	1'	<u>Limestone</u> , light gray-medium brown, IVFA, occasional calcareous filled pores and rare brachiopods.			
	5772	73	1'	<u>Limestone</u> , light gray-light brown, IVFA, rare pyrite crystals, abundant calcareous filled fractures & pores, with argillaceous streaks.			
	5773	74	1'	<u>Limestone</u> , as above, & rare brachiopods.			
	5774	75	1'	<u>Limestone</u> , as above.			
	5775	76	1'	Skip core description.			
	5776	77	1'	<u>Limestone</u> , medium-dark gray, I-IIIIVFA, very argillaceous & silty, abundant pyrite crystals, and occasional fossil fragments.			
	5777	81	4'	<u>Shale</u> , dark gray-black, calcareous, silty.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). 5-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND

SHELL OIL COMPANY

WEEK ENDING \_\_\_\_\_

AREA OR FIELD Bluff Unit

CORE FROM 5843 TO 5896 Rec. 52'

CORE RECORD

COMPANY Shell Oil Company

CORES EXAMINED BY W. A. Kennedy & Roy Few

LEASE AND WELL NO. 31-34

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITCI
<u>Core #5 5843 5895 52</u>							
	5843	5845	2'	<u>Dolomite</u> , medium gray to brown, III VFA, argillaceous, thin calcareous filled fractures; basal <u>shale</u> black.			See core description
	5845	5846	1'	<u>Limestone</u> , dark brown to gray, argillaceous with shaly streaks, pyrite crystals, occasional fossil fragments.			
	5846	5849	3'	<u>Dolomite</u> , light brown to dark brown, III VFA, anhydrite filled fractures, <u>faint hydrocarbon odor</u> , basal 2' very faint oil odor & trace <u>5% pale blue flour</u> .			
	5849	5850	1'	<u>Limestone</u> , light brown, IVFA, pod-algal & fossil fragments.			
	5850	5852	2'	<u>Dolomite</u> , dark gray, I-III VFA, very argillaceous, calcareous black shale streaks throughout.			
	5852	5857	5'	<u>Limestone</u> , light brown to gray, III VFA, forams and fusulinids, occasional pod algal.			
	5857	5858	1'	<u>Limestone</u> , light brown to gray I-III VFA, argillaceous with shaly streaks.			
	5858	5859	1'	<u>Limestone</u> , light gray, III VFA, silty.			
	5859	5860	1'	<u>Shale</u> , black, calcareous.			
	5860	5861	1'	<u>Limestone</u> , medium brown, III VFA.			
	5861	5864	3'	<u>Dolomite</u> , light brown to gray, III VFA, argillaceous.			
	5864	5865	1'	<u>Limestone</u> , light gray, III VFA.			

SHELL OIL COMPANY

WEEK ENDING \_\_\_\_\_

CORE FROM 5813 TO 5896 Rec. 52'

CORE RECORD

AREA OR FIELD Bluff Unit

COMPANY Shell Oil Company

CORES EXAMINED BY W. A. Kennedy & Roy Few

LEASE AND WELL NO. 31-34

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
#5 cont.	5865	5868	3'	<u>Dolomite</u> , medium-dark gray, III-IVFA, very argillaceous in part with abundant calcareous inclusions.			CORE OR DITCH See core description
	5868	5874	6'	<u>Limestone</u> , dark to medium gray, IVFA, argillaceous, occasional <u>dolomite</u> and anhydrite filled pore spaces.			
	5874	5876	2'	<u>Limestone</u> , light brown, IVFA, abundant pod-algal fragments, occasional calcareous filled fractures.			
	5876	5878	2'	<u>Dolomite</u> , light brown, III-I VFA with abundant vertical thin anhydrite filled fractures, argillaceous ( <u>faint to fair odor of hydrocarbon &amp; 70% pale blue-yellow fluorescence, faint cut fluorescence.</u> )			
	5878	5880	2'	<u>Dolomite</u> , light brown, III VFA, occasional anhydrite filled fractures argillaceous, slightly silty, occasional stylolitic streaks.			
	5880	5882	2'	<u>Dolomite</u> , light gray, I-III VFA, slightly argillaceous, & argillaceous streaks, <u>2 to 5% spotty pale blue fluorescence.</u>			
	5882	5884	2'	<u>Dolomite</u> , light brown-light gray, I-III VFA argillaceous, abundant carbonaceous inclusions & occasional anhydrite filled pores.			
	5884	5885	1'	<u>Dolomite</u> , medium brown-gray, III VFA Btr argillaceous with <u>5% spotty pale blue-yellow fluorescence.</u>			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).  
NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING \_\_\_\_\_

CORE FROM 5896 TO 5929

CORES EXAMINED BY W.A. Kennedy & Roy Few

CORE RECORD

AREA OR FIELD Bluff Unit

COMPANY Shell

LEASE AND WELL NO. 31-34

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
							CORE OR DITCH
#6	5896	to 5929	Recovered	11'			
	5896	5897	1'	<u>Dolomite</u> , light brown - light gray, III VFB, argillaceous with shaly streaks, rare white anhydrite inclusions with occasional <u>spotty bleeding oil stains, good oil odor and 35% faint to good fluorescence and cut fluorescence.</u>			See Core description
	5897	5899	2'	<u>Dolomite</u> , medium brown-medium gray, III-I argillaceous with occasional white anhydrite inclusions, occasional forams.			
	5899	5902	3'	<u>Dolomite</u> , medium dark gray, III VFA, very argillaceous, slightly calcareous.			
	5902	5907	5'	<u>Shale</u> , black, silty, micaceous in part, slightly calcareous to calcareous.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).  
 NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.



FOLD MARK

5/8"	516+	300 Diamix + 100	Displacement	-	-
------	------	------------------	--------------	---	---

**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 5955 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

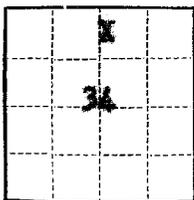
Abandoned as a (dry hole) \_\_\_\_\_  
August 2, 1958 Put to producing \_\_\_\_\_, 19\_\_\_\_  
 The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_%  
 emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**

\_\_\_\_\_, Driller R. L. Manning, Driller  
I. Endicott, Driller T. J. Moore, Driller  
 \_\_\_\_\_, Driller \_\_\_\_\_, Driller  
G. R. Deerner

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
1889	2663	774	Chinle
2663	2717	54	Shinarump
2717	2847	130	Moenkopi
2847	4810	1963	Cutler
4810	5780	970	Upper Hermosa
5780	-	-	Paradox



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah  
Lease No. SL 067710A  
Unit Bluff

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)

August 27, 1958

Bluff Unit  
Well No. 31-34 is located 660 ft. from N line and 1960 ft. from E line of sec. 34  
NE 34 39S 23E SLBM  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~bottom~~ kelly bushing above sea level is 4973.1 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)

8-2-58 With open drill pipe plugged as follows:  
45 sacks (4760-4900)  
30 sacks (2730-2820)  
30 sacks (1160-1250)  
60 sacks (366-550)

Located top of top plug at 366'. Plugged at surface with 10 sack cement plug, installed marker and abandoned 8-2-58.

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 R. S. Mac ALISTER, JR.  
R. S. Mac Alister, Jr.  
Title Division Exploitation Engineer