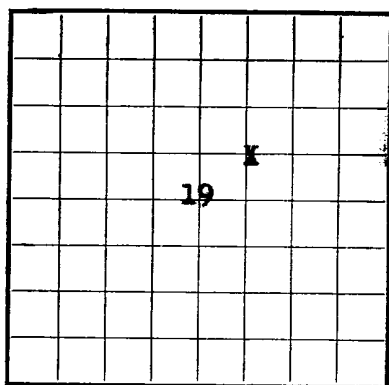
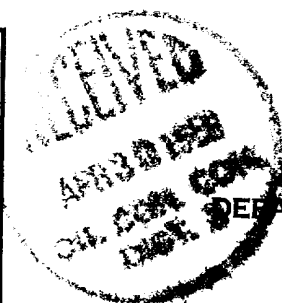


U. S. LAND OFFICE Santa Fe, N. M.
SERIAL NUMBER SF 078063
LEASE OR PERMIT TO PROSPECT -

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
APR 20 1958

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 S. Behrend, Farmington, New Mexico
Lessor or Tract Federal - Carson Unit Field Bisti State New Mexico
Well No. 32-19 Sec. 19 T. 25NR. 11W Meridian NMPM County San Juan
Location 1980 ft. [N] of N. Line and 1980 ft. [BX] of E. Line of Section 19 Elevation 6452 KB
(Derriek 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
Signed E. W. SHEPARDDate April 14, 1958 Title Exploitation Engineer

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

Commenced drilling March 3, 19 58 Finished drilling March 9, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(gross)
No. 1, from 4873 to 4991 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8-5/8"</u>	<u>24</u>	<u>8</u>	<u>Nat'l.</u>	<u>98</u>	<u>Baker</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>Surface</u>
<u>4-1/2"</u>	<u>9.5</u>	<u>8</u>	<u>-</u>	<u>5005</u>	<u>Baker</u>	<u>-</u>	<u>4873</u>	<u>4991</u>	<u>Production</u>
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>8-5/8"</u>	<u>108</u>	<u>100</u>	<u>Displacement</u>	<u>-</u>	<u>-</u>
<u>4-1/2"</u>	<u>5015</u>	<u>150</u>	<u>Displacement</u>	<u>-</u>	<u>-</u>

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 0 feet to 5015 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

April 14, 19 58 Put to producing April 8, 19 58
The production for the first 24 hours was 84 barrels of fluid of which 99.6 % was oil; _____ %
emulsion; _____ % water; and 0.4 % sediment. Gravity, °Bé. xxx Approx 39° API
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

F. Black, Driller Brinkerhoff Drilling Co.
G. C. Adams, Driller
Babcock, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>1241</u>	<u>1430</u>	<u>189</u>	<u>Pictured Cliffs</u>
<u>1430</u>	<u>1600</u>	<u>170</u>	<u>Lewis</u>
<u>1600</u>	<u>2070</u>	<u>470</u>	<u>Cliff House</u>
<u>2070</u>	<u>3706</u>	<u>1636</u>	<u>Allison - Menefee</u>
<u>3706</u>	<u>3855</u>	<u>149</u>	<u>Point Lookout</u>
<u>3855</u>	<u>4775</u>	<u>920</u>	<u>Mancos</u>
<u>4775</u>	<u>-</u>	<u>-</u>	<u>Gallup</u>

(OVER)

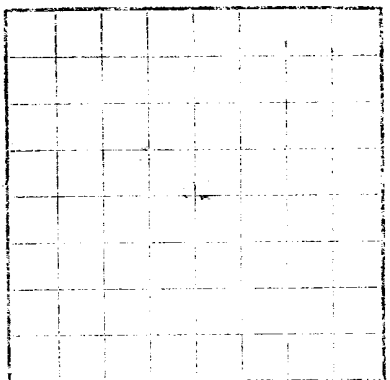
FORMATION RECORD—CONTINUED

PLEASE PRINT NAME OF PERSON TO WHOM THIS IS ISSUED

SERIAL NO. (NUMBERED 1 TO 100)

U.S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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 _____

Copies kept by _____

Location _____ of _____ at _____
_____ ft. _____ of _____ and _____ ft. _____
_____ T. _____ and _____ N. _____ E.
_____ Sec. _____ T. _____ R. _____ S. _____
_____ State of _____

Person or Firm _____
Address _____
City _____ State _____

The summary of this page is for the condition of the well as above data.

27.03.2019. Qarabulak. Qarabulak bələdiyyə TƏBİƏTİ QORUMA QANUNU. Qarabulak bələdiyyəsi

011 50 243 342 00 00

(b) (5) DPP, (b) (7)(C)

Page 10

STANDARD WATER TREATMENTS

.....	mod 2.0%		0 ¹	mod 1.0%
.....	0 ¹	mod 3.0%		0 ¹
.....	mod 3.0%		0 ¹	mod 1.0%

TRAINING RECORD

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	INITIALS
1964-1-1	...	...	...	...	...
1964-1-2	...	...	...	...	...
1964-1-3	...	...	...	...	...
1964-1-4	...	...	...	...	...
1964-1-5	...	...	...	...	...
1964-1-6	...	...	...	...	...
1964-1-7	...	...	...	...	...
1964-1-8	...	...	...	...	...
1964-1-9	...	...	...	...	...
1964-1-10	...	...	...	...	...
1964-1-11	...	...	...	...	...
1964-1-12	...	...	...	...	...
1964-1-13	...	...	...	...	...
1964-1-14	...	...	...	...	...
1964-1-15	...	...	...	...	...
1964-1-16	...	...	...	...	...
1964-1-17	...	...	...	...	...
1964-1-18	...	...	...	...	...
1964-1-19	...	...	...	...	...
1964-1-20	...	...	...	...	...
1964-1-21	...	...	...	...	...
1964-1-22	...	...	...	...	...
1964-1-23	...	...	...	...	...
1964-1-24	...	...	...	...	...
1964-1-25	...	...	...	...	...
1964-1-26	...	...	...	...	...
1964-1-27	...	...	...	...	...
1964-1-28	...	...	...	...	...
1964-1-29	...	...	...	...	...
1964-1-30	...	...	...	...	...
1964-1-31	...	...	...	...	...

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was sidetracked, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDGING AND CEMENTING RECORD					
Size of plug	Weight of plug	Number each of cement	Weight of mud	Mud gravity	Amount of mud used
1/2 in.	100	100	100	100	100
3/4 in.	100	100	100	100	100
1 in.	100	100	100	100	100
1 1/4 in.	100	100	100	100	100
1 1/2 in.	100	100	100	100	100
1 3/4 in.	100	100	100	100	100
2 in.	100	100	100	100	100
2 1/4 in.	100	100	100	100	100
2 1/2 in.	100	100	100	100	100
2 3/4 in.	100	100	100	100	100
3 in.	100	100	100	100	100
3 1/4 in.	100	100	100	100	100
3 1/2 in.	100	100	100	100	100
3 3/4 in.	100	100	100	100	100
4 in.	100	100	100	100	100
4 1/4 in.	100	100	100	100	100
4 1/2 in.	100	100	100	100	100
4 3/4 in.	100	100	100	100	100
5 in.	100	100	100	100	100
5 1/4 in.	100	100	100	100	100
5 1/2 in.	100	100	100	100	100
5 3/4 in.	100	100	100	100	100
6 in.	100	100	100	100	100
6 1/4 in.	100	100	100	100	100
6 1/2 in.	100	100	100	100	100
6 3/4 in.	100	100	100	100	100
7 in.	100	100	100	100	100
7 1/4 in.	100	100	100	100	100
7 1/2 in.	100	100	100	100	100
7 3/4 in.	100	100	100	100	100
8 in.	100	100	100	100	100
8 1/4 in.	100	100	100	100	100
8 1/2 in.	100	100	100	100	100
8 3/4 in.	100	100	100	100	100
9 in.	100	100	100	100	100
9 1/4 in.	100	100	100	100	100
9 1/2 in.	100	100	100	100	100
9 3/4 in.	100	100	100	100	100
10 in.	100	100	100	100	100
10 1/4 in.	100	100	100	100	100
10 1/2 in.	100	100	100	100	100
10 3/4 in.	100	100	100	100	100
11 in.	100	100	100	100	100
11 1/4 in.	100	100	100	100	100
11 1/2 in.	100	100	100	100	100
11 3/4 in.	100	100	100	100	100
12 in.	100	100	100	100	100
12 1/4 in.	100	100	100	100	100
12 1/2 in.	100	100	100	100	100
12 3/4 in.	100	100	100	100	100
13 in.	100	100	100	100	100
13 1/4 in.	100	100	100	100	100
13 1/2 in.	100	100	100	100	100
13 3/4 in.	100	100	100	100	100
14 in.	100	100	100	100	100
14 1/4 in.	100	100	100	100	100
14 1/2 in.	100	100	100	100	100
14 3/4 in.	100	100	100	100	100
15 in.	100	100	100	100	100
15 1/4 in.	100	100	100	100	100
15 1/2 in.	100	100	100	100	100
15 3/4 in.	100	100	100	100	100
16 in.	100	100	100	100	100
16 1/4 in.	100	100	100	100	100
16 1/2 in.	100	100	100	100	100
16 3/4 in.	100	100	100	100	100
17 in.	100	100	100	100	100
17 1/4 in.	100	100	100	100	100
17 1/2 in.	100	100	100	100	100
17 3/4 in.	100	100	100	100	100
18 in.	100	100	100	100	100
18 1/4 in.	100	100	100	100	100
18 1/2 in.	100	100	100	100	100
18 3/4 in.	100	100	100	100	100
19 in.	100	100	100	100	100
19 1/4 in.	100	100	100	100	100
19 1/2 in.	100	100	100	100	100
19 3/4 in.	100	100	100	100	100
20 in.	100	100	100	100	100
20 1/4 in.	100	100	100	100	100
20 1/2 in.	100	100	100	100	100
20 3/4 in.	100	100	100	100	100
21 in.	100	100	100	100	100
21 1/4 in.	100	100	100	100	100
21 1/2 in.	100	100	100	100	100
21 3/4 in.	100	100	100	100	100
22 in.	100	100	100	100	100
22 1/4 in.	100	100	100	100	100
22 1/2 in.	100	100	100	100	100
22 3/4 in.	100	100	100	100	100
23 in.	100	100	100	100	100
23 1/4 in.	100	100	100	100	100
23 1/2 in.	100	100	100	100	100
23 3/4 in.	100	100	100	100	100
24 in.	100	100	100	100	100
24 1/4 in.	100	100	100	100	100
24 1/2 in.	100	100	100	100	100
24 3/4 in.	100	100	100	100	100
25 in.	100	100	100	100	100
25 1/4 in.	100	100	100	100	100
25 1/2 in.	100	100	100	100	100
25 3/4 in.	100	100	100	100	100
26 in.	100	100	100	100	100
26 1/4 in.	100	100	100	100	100
26 1/2 in.	100	100	100	100	100
26 3/4 in.	100	100	100	100	100
27 in.	100	100	100	100	100
27 1/4 in.	100	100	100	100	100
27 1/2 in.	100	100	100	100	100
27 3/4 in.	100	100	100	100	100
28 in.	100	100	100	100	100
28 1/4 in.	100	100	100	100	100
28 1/2 in.	100	100	100	100	100
28 3/4 in.	100	100	100	100	100
29 in.	100	100	100	100	100
29 1/4 in.	100	100	100	100	100
29 1/2 in.	100	100	100	100	100
29 3/4 in.	100	100	100	100	100
30 in.	100	100	100	100	100
30 1/4 in.	100	100	100	100	100
30 1/2 in.	100	100	100	100	100
30 3/4 in.	100	100	100	100	100
31 in.	100	100	100	100	100
31 1/4 in.	100	100	100	100	100
31 1/2 in.	100	100	100	100	100
31 3/4 in.	100	100	100	100	100
32 in.	100	100	100	100	100
32 1/4 in.	100	100	100	100	100
32 1/2 in.	100	100	100	100	100
32 3/4 in.	100	100	100	100	100
33 in.	100	100	100	100	100
33 1/4 in.	100	100	100	100	100
33 1/2 in.	100	100	100	100	100
33 3/4 in.	100	100	100	100	100
34 in.	100	100	100	100	100
34 1/4 in.	100	100	100	100	100
34 1/2 in.	100	100	100	100	100
34 3/4 in.	100	100	100	100	100
35 in.	100	100	100	100	100
35 1/4 in.	100	100	100	100	100
35 1/2 in.	100	100	100	100	100
35 3/4 in.	100	100	100	100	100
36 in.	100	100	100	100	100
36 1/4 in.	100	100	100	100	100
36 1/2 in.	100	100	100	100	100
36 3/4 in.	100	100	100	100	100
37 in.	100	100	100	100	100
37 1/4 in.	100	100	100	100	100
37 1/2 in.	100	100	100	100	100
37 3/4 in.	100	100	100	100	100
38 in.	100	100	100	100	100
38 1/4 in.	100	100	100	100	100
38 1/2 in.	100	100	100	100	100
38 3/4 in.	100	100	100	100	100
39 in.	100	100	100	100	100
39 1/4 in.	100	100	100	100	100
39 1/2 in.	100	100	100	100	100
39 3/4 in.	100	100	100	100	100
40 in.	100	100	100	100	100
40 1/4 in.	100	100	100	100	100
40 1/2 in.	100	100	100	100	100
40 3/4 in.	100	100	100	100	100
41 in.	100	100	100	100	100
41 1/4 in.	100	100	100	100	100
41 1/2 in.	100	100	100	100	100
41 3/4 in.	100	100	100	100	100
42 in.	100	100	100	100	100
42 1/4 in.	100	100	100	100	100
42 1/2 in.	100	100	100	100	100
42 3/4 in.	100	100	100	100	100
43 in.	100	100	100	100	100
43 1/4 in.	100	100	100	100	100
43 1/2 in.	100	100	100	100	100
43 3/4 in.	100	100	100	100	100
44 in.	100	100	100	100	100
44 1/4 in.	100	100	100	100	100
44 1/2 in.	100	100	100	100	100
44 3/4 in.	100	100	100	100	100
45 in.	100	100	100	100	100
45 1/4 in.	100	100	100	100	100
45 1/2 in.	100	100	100	100	100
45 3/4 in.	100	100	100	100	100
46 in.	100	100	100	100	100
46 1/4 in.	100	100	100	100	100
46 1/2 in.	100	100	100	100	100
46 3/4 in.	100	100	100	100	100
47 in.	100	100	100	100	100
47 1/4 in.	100	100	100	100	100
47 1/2 in.	100	100	100	100	100
47 3/4 in.	100	100	100	100	100
48 in.	100	100	100	100	100
48 1/4 in.	100	100	100	100	100
48 1/2 in.	100	100	100	100	100
48 3/4 in.	100	100	100	100	100
49 in.	100	100	100	100	100
49 1/4 in.	100	100	100	100	100
49 1/2 in.	100	100	100	100	100
49 3/4 in.	100	100	100	100	100
50 in.	100	100	100	100	100
50 1/4 in.	100	100	100	100	100
50 1/2 in.	100	100	100	100	100
50 3/4 in.	100	100	100	100	100
51 in.	100	100	100	100	100
51 1/4 in.	100	100	100	100	100
51 1/2 in.	100	100	100	100	100
51 3/4 in.	100	100	100	100	100
52 in.	100	100	100	100	100
52 1/4 in.	100	100	100	100	100
52 1/2 in.	100	100	100	100	100
52 3/4 in.	100	100	100	100	100
53 in.	100	100	100	100	100
53 1/4 in.	100	100	100	100	100
53 1/2 in.	100	100	100	100	100
53 3/4 in.	100	100	100	100	100
54 in.	100	100	100	100	100
54 1/4 in.	100	100	100	100	100
54 1/2 in.	100	100	100	100	100
54 3/4 in.	100	100	100	100	100
55 in.	100	100	100	100	100
55 1/4 in.	100	100	100	100	100
55 1/2 in.	100	100	100	100	100
55 3/4 in.	100	100	100	100	100
56 in.	100	100	100	100	100
56 1/4 in.	100	100	100	100	100
56 1/2 in.	100	100			

FORMATION RECORD—Continued

SHELL OIL COMPANY

Carson Unit

Bisti

DRILLING REPORT

WELL NO. 32-19

(FIELD)
San Juan, New Mexico

FOR PERIOD ENDING

19

(COUNTY)

3-9-58

(SECTION OR LEASE)

T25N, R11W

(TOWNSHIP OR RANGHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
3-3 to 3-4	0	2360	<u>Location:</u> 1980' S and 1980' W of NE Corner Section 19, T25N, R11W, NMPM, San Juan County, New Mexico <u>Elevations:</u> GR 6443.1 DF 6450.7 KB 6451.9 Spudded 3:30 P.M. 3-3-58. Ran and cemented (98') 8-5/8", 24#, J-55 National casing at 108' with 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.
3-5 to 3-8	2360	4984	<u>Drilled 2624'.</u>
3-9	4984	5015	<u>Drilled 31'.</u> Ran Electrical Survey and Microlog. Ran and cemented (5005') 4-1/2", 9.5# casing at 5015' with 150 sacks cement treated with 4% gel. Final pressure 1800 psi. Displaced with oil. Released rig 8:00 P.M. 3-9-58. Check BOP daily. Mud Summary Wt 9.3 - 10.3 #/gal. Vis 42 - 130 sec. WL 5.5 - 7.3 cc FC 1-2/32" Contractor: Brinkerhoff Drilling Company Drillers: W. B. Black E. Babcock C. C. Adams

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		

DRILL PIPE SIZES

R.D. ALLEN

SHELL OIL COMPANY

Carson Unit

WELL NO. 32-19

Bisti

DRILLING REPORT

FOR PERIOD ENDING

19

(FIELD)
San Juan, New Mexico
(COUNTY)

4-8-58

(SECTION OR LEASE)
T25N, R11W
(TOWNSHIP OR RANGE)

DAY	DEPTH		REMARKS
	FROM	TO	
3-19	5015	TD	Ran Gamma Ray - collar log. Bullet perforated four 1/2" holes/ft. 4873-4900, 4908-18, 4947-54, 4961-76, 4981-91. Ran tubing to 4965'.
3-21 to 3-22			Spotted 200 gal. mud acid on perforations. <u>Sand oil fracture #1.</u> Broke down formation at 2600 psi. Injected 4500 gal. crude 1#/gal. sand, blender failed. Flushed with 160 bbls. crude. Repaired blender. <u>Sand oil fracture #1A.</u> Broke down formation at 2500 psi. Injected 11,000 gal. crude with 1#/gal sand, 50 nylon core balls; injected 2500 gal. crude with 1#/gal. sand 25 nylon core balls. Injected 6,700 gal. crude with 1#/gal. sand, 25 nylon core balls. (Pressure increased from 2650 to 3500 psi, broke to 3200 psi). Injected 15,000 gal. crude with 1#/gal. sand, 10 nylon core balls. Flushed with 146 bbls. crude. Maximum pressure 3500 psi, minimum pressure 2500 psi average rate 32 bbls./min.
3-24			Cleaned out frac sand from 4940' to 5008'. Landed tubing at 4871'.
3-25			Swabbed 50 bbls., well started flowing.
3-26			Flowed 20 hours, 389 bbls. gross, 64/64" bean.
3-27 to 4-7			Flowed and recovered all load and frac oil, <u>1592 bbls.</u>
4-8			<u>INITIAL PRODUCTION</u> Flowing, 84 B/D gross, 84 B/D clean, cut 0.4%, Gas 145 Mcf/D, GOR 1740, 64/64" bean, TP 25. Completed 4-8-58.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4"	0	115	8-5/8"	108'
7-7/8"	115	5015	4-1/2"	5015'
DRILL PIPE 4-1/2"				
SIZES				

E. B. JOHNSTONE