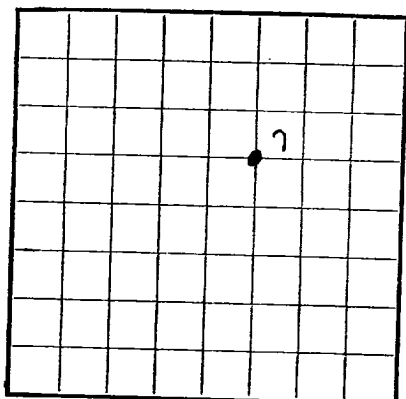




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **032650 (b)**
LEASE OR PERMIT TO PROSPECT
A. B. Cortes "C" #7 Unit "Q"UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Tidewater Oil Company** Address **Box 547 Hobbs, New Mexico**
Lessor or Tract **A. B. Cortes "C"** Field **Undesignated** State **New Mexico**
Well No. **7** Sec. **24** T. **25S** R. **37E** Meridian **N.M.P.M.** County **Lea**
Location **1980** ft. **[S.]** of **N** Line and **1980** **[E.]** of **E** Line of **24-25S-37E** Elevation **3080' KDB**
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed **V. P. Shuckelford** Title **Area Supt.**Date **September 5, 1957**

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

Commenced drilling **June 23**, 19 **57** Finished drilling **August 19**, 19 **57**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **7937** to **8065** 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—	
13-3/8	364	48	Slip Joint HACO	535	Tex. Pattern	None			Surface
9-5/8	338 1/2	32	89	338 1/2	Jerkin Shoe	None			Intermediate
7"	230	28	86	7937	None	7285	7286		Production
									(Squeeze perf.)

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	535	525	2-Plug		Cement circulated
9-5/8	338 1/2	1000	2-Stage (D.V. tool - 884)		Cement circulated
7"	7937	850	2-Stage (D.V. tool - 7549')		Top of cement - 3620' down from KDB

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
Natural completion in 6-1/4" open hole from 7937' to 8065'.						

TOOLS USED

Rotary tools were used from **0** feet to **8065** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ **September 4**, 19 **57** Put to producing **August 20**, 19 **57**The production for the first 24 hours was **1640** barrels of fluid of which **99.8** % was oil; _____ %
emulsion; _____ % water; and **2.2** % sediment. Gravity, °Bé. **43°** API

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **3336**

EMPLOYEES

_____ **Dora Bates**, Driller of **H. C. Higgins Drilling Company**
_____ **A. T. Coleman**, Driller _____ **H. B. Steinman**, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	795	795	Surface rock & red rock
795	1400	605	Red bed & shale
1400	2105	705	Salt & anhy.
2105	2444	339	Anhy.
2444	2530	86	Gyp & Anhy.
2530	2588	58	Anhy.
2588	3135	547	Lime & anhy.
3135	3179	44	Lime
3179	3297	118	Lime, anhy. & sand
3297	5065	1768	Lime
5065	5178	113	Dolo. & lime
5178	6534	1356	Lime
6534	6907	373	Lime & chert
6907	7252	345	Lime & shale
7252	7417	165	Sand & shale
7417	7442	25	Sand & lime
7442	7525	83	Lime & shale
7525	7650	125	Dolo. & shale
7650	7823	173	Lime & shale
7823	8065	242	Lime TOTAL DEPTH

FROM-	TO-	TOTAL FEET	FORMATION
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FROM-	TO-	TOTAL FEET	FORMATION
		125	0
		370	1/8
		422	1/8
		761	3/4
		967	3/4
		1180	3/4
		1434	3/4
		1870	1-1/4
		2135	1-1/2
		2240	1-1/2
		2534	1/2
		2750	1/2
		3120	1/2
		3550	1/4
		4030	1/2
		4287	3/4
		4653	3/4
		5239	3/4
		5559	1
		5765	1
		5940	1-3/4
		6220	1
		6344	1
		6549	1
		6830	2-1/2
		7021	1-1/4
		7118	1/4
			DEPTH
			125
			370
			422
			761
			967
			1180
			1434
			1870
			2135
			2240
			2534
			2750
			3120
			3550
			4030
			4287
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			1870
			2135
			2240
			2534
			2750

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 balling.

UNRELIABLE TEST DATA

D. S. T. #1. Date: 7-23-57; formation tested: 5880' to 5940'. IC Valve failed to open. (No test)

Date: 7-24-57 Formation Tested: Drinker
Interval tested: 5800' to 5900'. Btm. ck. 5/8". Srs. ck. 1".
Took open 2 hrs. 20 mins. HI 2765', IFF 710', IFF 970'.
30 mins. ISIP 2645', 1 hr. ISIP 2315', HO 2750'.
Took opened with strong blow, gas to surface in 3 mins.,
mud to surface in 12 mins., oil to surface in 15 mins.
Flowed 81.50 in 2 hrs. to tank. Reversed out 19.00 and
recovered 60' of free oil below circulating sub. No water.

(See attached sheet for core data)

1. The first step is to identify the problem. This involves understanding the situation and the goals that need to be achieved.

11HW 843 AC 110 71 201

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
DENVER, COLORADO

100-443887-100