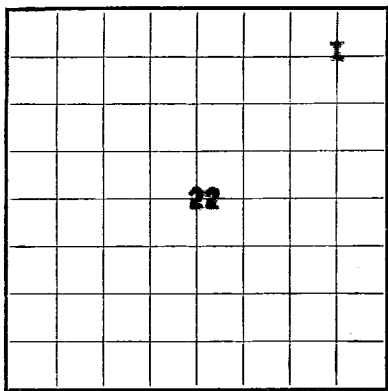
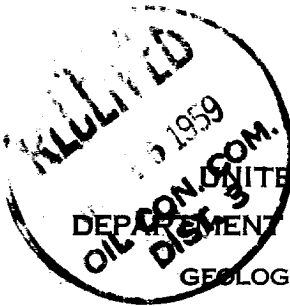




LOCATE WELL CORRECTLY



U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT
Navajo Tribal
14-20-603-2206
RECEIVED
JUN 11 1959
U. S. GEOLOGICAL SURVEY
NEW MEXICO

LOG OF OIL OR GAS WELL

Company **Gulf Oil Corporation** Address **P. O. Box 1313, Durango, Colorado**
Lessor or Tract **Amarillo-Navajo** Field **Unnamed** State **New Mexico**
Well No. **2** Sec. **22** T. **28N** R. **11W** Meridian **RPM** County **San Juan**
Location **660** ft. **IX** of **N** Line and **660** ft. **IX** of **E** Line of **Section** Elevation **5690.5'** KB
(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 _____

Date **6-9-59** Title **Area Production Supt.**

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

Commenced drilling **4-8-59**, 19____ Finished drilling **5-1-59**, 19____

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **5140'** to **5160'** No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **None** to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	24	8RT	33	297	Guide				Surface Production
5-1/2"	14	8RT	33	5092	Float		5140	5160	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	310'	190	Pump and plug.		
5-1/2"	5904'	147	Pump and plug.		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapt **Baker Type "I" CI cement retainer** Set at **5800'**.

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
None						

TOOLS USED

Rotary tools were used from _____ feet to **5800'** feet, and from _____ feet to _____ feet
Cable tools were used from **Surface** feet to **5904'** feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
The production for the first 24 hours was **52** barrels of fluid of which **100** % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **38.8**
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 _____, Driller
Exster Drlg Co. - RT
_____, Driller _____, Driller
Rota Cone Oil Field
Operating Co. - CT.

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			E-100 TOPS
1030	1946	916	Pictured Cliffs
1946	3627	1681	Cliffhouse
3627	3855	228	Pt. Lookout
3855	4745	890	Mancos
4745	5210	465	Gallup
5210	5582	372	Sanabito
5582	5640	58	Greenhorn
5640	5690	50	Graneros
5690	5884	194	Dakota
5884	5904 TO	20	Harrison

AT THE END OF COMPLETE DRILLER'S LOG, ADD GEOLOGIC TOPS. STATE WHETHER FROM EL OR SAMPLES.

Core No. 1, 5082'-5142', recovered 37' shale
2' sand w/sh stringers
17' shale
11' sand w/sh stringers
1' shale
1' sand, oil stain
Bleeding oil 5108'-5112' and 5116'-5123'

Core No. 2, 5142'-5182', recovered 1' sand, slight bleeding oil
17' sand, stain w/occasional sh partings
27' shale

Core No. 3, 5692'-5708', recovered 3' interbedded sd and sh
7' sand, no show
2' siltstone

Core No. 4, 5708'-5710', recovered 2' siltstone

Core No. 5, 5710'-5746', recovered 36' sand, no show

Core No. 6, 5746'-5805', recovered 59' siltstone and sand, no shows.

Core No. 7, 5806'-5833', recovered 26.5' sh, siltstone and sd, no shows.

Core No. 8, 5833'-5878', recovered 47' sh, sd and conglomerate; no shows.

DST No. 1, 5074'-5182', mis-run, unable to get tool to bottom.

DST No. 1-A, 5074'-5182', open 2 hrs, recovered 840' heavily gas cut mud
60' heavily oil and gas cut mud.
No free oil

DST No. 2, 5680'-5805', mis-run, unable to get tool to bottom.

DST No. 3, 5687'-5806', open 1 1/2 hrs, recovered 270' mud of which bottom 50' very slightly gas cut.

DST No. 4, 5806'-5904', open 1 1/2 hrs, recovered 260' gas cut mud
60' gas and salt water cut mud.

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, 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

COMPLETION AND TESTING:

Perforated Dakota, 5848-5882' w/2 bullets and 2 jets/ft- treated w/500 gals mud acid, fractured w/35,000 gallons water, 35,000' sand.

After recovering 778 bbls load water in 6 days, swabbed and flowed 80 bbls load water in 12 hrs, slight amount of gas following swab. Casing pressure pressure dropped from 900' (overnight buildup) to 375' and remained throughout while swabbing from 5800'.

Squeezed perfs 5848'-5882' w/25 ex cement, Set Baker Type K GI cement retainer at 5899'.

Perforated Gallup, 5140'-5160', w/2 bullets and 2 jets/ft- treated w/750 gals mud, acid, fractured w/25,000 gallons oil, 25,000' sand.

FORMATION

TOTAL FEET

TO-

FROM-