

[illegible]

RECEIVED
MAY 4 1960
OIL CON. COM.
DIST. 3 DEPT

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **87-076115**
~~LEASE OR PERMIT TO PROSPECT~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
MAY 2 1966

U. S. GEOLOGICAL SURVEY
SARASOTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Artec Oil and Gas Company Address Box # 786, Farmington, New Mexico
 Lessor or Tract Granier Field Undesignated Pictured Cliffs State New Mexico
 Well No. 10 Sec. 18 T. 31N R. 11W Meridian N.M.P.M. County San Juan
 Location 1460 ft. N of S Line and 1190 ft. E of W Line of Section 18 Elevation 6183 G.L.

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 ORIGINAL SIGNED BY JOE C. SALMON

Date May 2, 1960 Title District Superintendent

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

Commenced drilling 4/8/60 1960 Finished drilling 4/28/60 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by $\mathbb{G}$)

No. 1, from 2748 to 2768 (a) 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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	103'	70	displacement		
2 7/8	2865'	75	too pig		

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
Sand-water fraced with 40,000# sand and 1880 lbs. water. Breakdown pressure - 4200 to 3900#, I.R. 1 1/2" tpr. Trouting pressure - 3700 - 2400#.						

TOOLS USED

Rotary tools were used from 0 feet to 2265 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2265 feet, and from _____ feet to _____ feet

DATES

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 107-1000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

		, Driller				, Driller
		, Driller				, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	95.50	95.50	Surface
95.50	120	24.50	Shale
120	1263	1143	Sand & Shale
1263	2070	807	Sand & Shale
2070	2747	677	Sand, Shale & coal
2747	2868	121	Sand & Shale
2868	2873	5	Shale

FOKINATION RECORD—CONFIDENTIAL

16-43094-9

TOP OF PICTURED CLIFFS FOUNDATION -2748'

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UNITED STATES
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GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company _____
Lessor or Tract _____
Well No. _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon
as can be determined from all available records.

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

Commenced drilling _____
Finished drilling _____
The summary on this page is for the condition of the well at above date.

OIL OR GAS SANDS OR ZONES

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____
No. 4 from _____ to _____
No. 5 from _____ to _____
No. 6 from _____ to _____

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____
No. 4 from _____ to _____
No. 5 from _____ to _____
No. 6 from _____ to _____

CASING RECORD

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was added 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

MUDDING AND CEMENTING RECORD

Size of casing	Weight of mud	Number sacks of cement	Method used	Mud gravity	Amount of mud used

PLUGS AND ADAPTERS

Location _____
Size _____
Material _____
Date _____

SPILLING RECORD

Date	Depth of spill	Depth of clean out

TOOLS USED

Tools used from _____ feet to _____ feet
Tools used from _____ feet to _____ feet

DATES

Put to producing _____
Production for the first 24 hours was _____
If gas well, in ft. per 24 hours _____
Rock pressure, lbs. per sq. in. _____
Gallons gasoline per 1,000 cu. ft. of gas _____
Gravity, °Be. _____
% water and % sediment _____
% was oil; _____

EMPLOYEES

Driller _____
Driller _____
Driller _____

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	25.00	25.00	Shale
25.00	30.00	55.00	Shale
30.00	35.00	90.00	Shale
35.00	40.00	130.00	Shale
40.00	45.00	175.00	Shale
45.00	50.00	225.00	Shale
50.00	55.00	280.00	Shale
55.00	60.00	340.00	Shale
60.00	65.00	395.00	Shale
65.00	70.00	465.00	Shale
70.00	75.00	540.00	Shale
75.00	80.00	620.00	Shale
80.00	85.00	705.00	Shale
85.00	90.00	800.00	Shale
90.00	95.00	905.00	Shale
95.00	100.00	1020.00	Shale
100.00	105.00	1145.00	Shale
105.00	110.00	1275.00	Shale
110.00	115.00	1410.00	Shale
115.00	120.00	1550.00	Shale
120.00	125.00	1695.00	Shale
125.00	130.00	1845.00	Shale
130.00	135.00	2000.00	Shale
135.00	140.00	2155.00	Shale
140.00	145.00	2315.00	Shale
145.00	150.00	2480.00	Shale
150.00	155.00	2645.00	Shale
155.00	160.00	2815.00	Shale
160.00	165.00	2990.00	Shale
165.00	170.00	3165.00	Shale
170.00	175.00	3345.00	Shale
175.00	180.00	3530.00	Shale
180.00	185.00	3720.00	Shale
185.00	190.00	3915.00	Shale
190.00	195.00	4115.00	Shale
195.00	200.00	4320.00	Shale
200.00	205.00	4530.00	Shale
205.00	210.00	4745.00	Shale
210.00	215.00	4965.00	Shale
215.00	220.00	5190.00	Shale
220.00	225.00	5420.00	Shale
225.00	230.00	5655.00	Shale
230.00	235.00	5895.00	Shale
235.00	240.00	6140.00	Shale
240.00	245.00	6390.00	Shale
245.00	250.00	6645.00	Shale
250.00	255.00	6905.00	Shale
255.00	260.00	7170.00	Shale
260.00	265.00	7440.00	Shale
265.00	270.00	7715.00	Shale
270.00	275.00	8000.00	Shale
275.00	280.00	8290.00	Shale
280.00	285.00	8585.00	Shale
285.00	290.00	8885.00	Shale
290.00	295.00	9190.00	Shale
295.00	300.00	9500.00	Shale
300.00	305.00	9815.00	Shale
305.00	310.00	10135.00	Shale
310.00	315.00	10460.00	Shale
315.00	320.00	10790.00	Shale
320.00	325.00	11125.00	Shale
325.00	330.00	11465.00	Shale
330.00	335.00	11810.00	Shale
335.00	340.00	12160.00	Shale
340.00	345.00	12515.00	Shale
345.00	350.00	12875.00	Shale
350.00	355.00	13240.00	Shale
355.00	360.00	13610.00	Shale
360.00	365.00	13985.00	Shale
365.00	370.00	14365.00	Shale
370.00	375.00	14750.00	Shale
375.00	380.00	15140.00	Shale
380.00	385.00	15535.00	Shale
385.00	390.00	15935.00	Shale
390.00	395.00	16340.00	Shale
395.00	400.00	16750.00	Shale
400.00	405.00	17165.00	Shale
405.00	410.00	17585.00	Shale
410.00	415.00	18010.00	Shale
415.00	420.00	18440.00	Shale
420.00	425.00	18875.00	Shale
425.00	430.00	19315.00	Shale
430.00	435.00	19760.00	Shale
435.00	440.00	20210.00	Shale
440.00	445.00	20665.00	Shale
445.00	450.00	21125.00	Shale
450.00	455.00	21590.00	Shale
455.00	460.00	22060.00	Shale
460.00	465.00	22535.00	Shale
465.00	470.00	23015.00	Shale
470.00	475.00	23500.00	Shale
475.00	480.00	23990.00	Shale
480.00	485.00	24485.00	Shale
485.00	490.00	24985.00	Shale
490.00	495.00	25490.00	Shale
495.00	500.00	26000.00	Shale
500.00	505.00	26515.00	Shale
505.00	510.00	27035.00	Shale
510.00	515.00	27560.00	Shale
515.00	520.00	28090.00	Shale
520.00	525.00	28625.00	Shale
525.00	530.00	29165.00	Shale
530.00	535.00	29710.00	Shale
535.00	540.00	30260.00	Shale
540.00	545.00	30815.00	Shale
545.00	550.00	31375.00	Shale
550.00	555.00	31940.00	Shale
555.00	560.00	32510.00	Shale
560.00	565.00	33085.00	Shale
565.00	570.00	33665.00	Shale
570.00	575.00	34250.00	Shale
575.00	580.00	34840.00	Shale
580.00	585.00	35435.00	Shale
585.00	590.00	36035.00	Shale
590.00	595.00	36640.00	Shale
595.00	600.00	37250.00	Shale
600.00	605.00	37865.00	Shale
605.00	610.00	38485.00	Shale
610.00	615.00	39110.00	Shale
615.00	620.00	39740.00	Shale
620.00	625.00	40375.00	Shale
625.00	630.00	41015.00	Shale
630.00	635.00	41660.00	Shale
635.00	640.00	42310.00	Shale
640.00	645.00	42965.00	Shale
645.00	650.00	43625.00	Shale
650.00	655.00	44290.00	Shale
655.00	660.00	44960.00	Shale
660.00	665.00	45635.00	Shale
665.00	670.00	46315.00	Shale
670.00	675.00	47000.00	Shale
675.00	680.00	47690.00	Shale
680.00	685.00	48385.00	Shale
685.00	690.00	49085.00	Shale
690.00	695.00	49790.00	Shale
695.00	700.00	50500.00	Shale
700.00	705.00	51215.00	Shale
705.00	710.00	51935.00	Shale
710.00	715.00	52660.00	Shale
715.00	720.00	53390.00	Shale
720.00	725.00	54125.00	Shale
725.00	730.00	54865.00	Shale
730.00	735.00	55610.00	Shale
735.00	740.00	56360.00	Shale
740.00	745.00	57115.00	Shale
745.00	750.00	57875.00	Shale
750.00	755.00	58640.00	Shale
755.00	760.00	59410.00	Shale
760.00	765.00	60185.00	Shale
765.00	770.00	60965.00	Shale
770.00	775.00	61750.00	Shale
775.00	780.00	62540.00	Shale
780.00	785.00	63335.00	Shale
785.00	790.00	64135.00	Shale
790.00	795.00	64940.00	Shale
795.00	800.00	65750.00	Shale
800.00	805.00	66565.00	Shale
805.00	810.00	67385.00	Shale
810.00	815.00	68210.00	Shale
815.00	820.00	69040.00	Shale
820.00	825.00	69875.00	Shale
825.00	830.00	70715.00	Shale
830.00	835.00	71560.00	Shale
835.00	840.00	72410.00	Shale
840.00	845.00	73265.00	Shale
845.00	850.00	74125.00	Shale
850.00	855.00	75000.00	Shale
855.00	860.00	75880.00	Shale
860.00	865.00	76765.00	Shale
865.00	870.00	77655.00	Shale
870.00	875.00	78550.00	Shale
875.00	880.00	79450.00	Shale
880.00	885.00	80355.00	Shale
885.00	890.00	81265.00	Shale
890.00	895.00	82180.00	Shale
895.00	900.00	83100.00	Shale
900.00	905.00	84025.00	Shale
905.00	910.00	84955.00	Shale
910.00	915.00	85890.00	Shale
915.00	920.00	86830.00	Shale
920.00	925.00	87775.00	Shale
925.00	930.00	88725.00	Shale
930.00	935.00	89680.00	Shale
935.00	940.00	90640.00	Shale
940.00	945.00	91605.00	Shale
945.00	950.00	92575.00	Shale
950.00	955.00	93550.00	Shale
955.00	960.00	94530.00	Shale
960.00	965.00	95515.00	Shale
965.00	970.00	96505.00	Shale
970.00	975.00	97500.00	Shale
975.00	980.00	98500.00	Shale
980.00	985.00	99505.00	Shale
985.00	990.00	100515.00	Shale
990.00	995.00	101530.00	Shale
995.00	1000.00	102550.00	Shale

FORMATION RECORD—Continued