

FORM 9-550

13 W

Section 26

U. S. LAND OFFICE ~~Santa Fe~~
SERIAL NUMBER ~~078213~~
LEASE OR PERMIT TO PROSPECT

30 N

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Compass Exploration, Inc. Address 1645 Court Place, Denver, Colo.
Lessor or Tract Federal Field Undesignated State New Mexico

Well No. 2-26 Sec. 46 T. 38 N. R. 13 E. Meridian NMPM County San Juan

Location **1140** ft. S. of **N** Line and **90** ft. E. of **E** Line of **Section 26** Elevation **5804**

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.

Date December 22, 1960 at 1:22 PM JOE RUTHERFORD Title Chief Geologist

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

Commenced drilling October 3, 1960 Finished drilling October 15, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5356 to 5380 G No. 4, from to

No. 2, from 6440 to 6468 G No. 5, from _____ to _____

No. 8, from 6472 to 6488 C No. 6, from 6488 to 6504 C

40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870

No. 1, from 0028-0000 to 0040-0000 to 0043-0000 No. 3, from 0043-0000 to 0044-0000

No. 2, from claim 1, claimed to include a signal
 No. 4, from claim 1, claimed to include a signal

CASING RECORD

Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
8-5/8	2.4	8rd	CF&I	220	Gulf				Shoring
4-1/2	11.6	8rd	CF&I	275	Gulf				Shoring
4-1/2	9.5	8rd	CF&I	5710			6356	6488	Production
2-3/8	4.7	8rd	CF&I	6350					Tubing

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	8-5/8	233	200	Plug		
	4-1/2	6583	280	2 Plugs		

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 6590 feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

November 5, 1960 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 hour CAOF 116.2M Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ~~1100~~ 1000#

EMPLOYEES

Lee Naylor ~~Driller~~ Toolpusher Driller

_____, Driller **Exeter Drilling Company** _____, Driller

FORMATION RECORD

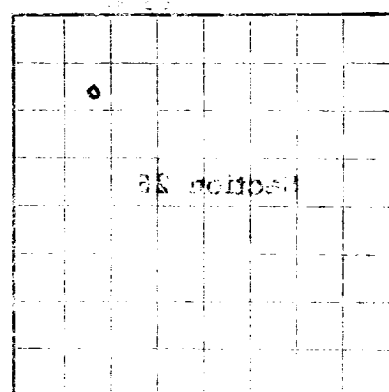
FROM—	TO—	TOTAL FEET	FORMATION
0	1782	1782	Surface
1782	1980	198	Picture Cliffs
1980	3372	1392	Lewis
3372	4565	1193	Mesaverde
4565	5500	1035	Upper Mancos
5500	6035	535	Gallup
6035	6235	200	Lower Mancos
6235	6305	70	Greenhorn
6305	6356	51	Graneros
6356	6600 TD	244	Dakota

RECEIVED
JAN 11 1961
OIL CON. COM.
DIST. 3

U.S. INCOME TAX RETURN
YEAR AND NUMBER
1972-13

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



6356-6380, 6440-6468, 6472-6488.
Frac #1: Fraced w/31,000 gal gelled wt and 31,000# 20-40 sd using four Allison pump trks. Formation broke from 3500-3000 psi @ 10 BPM. Max treating pressure- 3600 psi. Average rate-30 BPM @ 3400 psi. Dropped 50 balls. When balls hit, well sanding off.
Frac #2: Went in hole w/tubing and cleaned out sand fillup from first frac. Spotted 500 gal 15% Hc acid opposite parts. Fraced w/33,600 gal gelled wt and 17,000# 20-40 sd. Pumped acid into formation at 3600 psi and 10 BPM. Let acid sit for 5 min, then started frac. Frac press started off at 3500 psi and slowly came back to a minimum of 3200 psi. Avg rate-35 BPM @ 3300 psi. Dropped no balls. Fraced w/110 BPM. Immediate SIP-2000 psi. 20 min SIP-1100 psi. Top. Density-209 lbs-2-3/8", 1-55 4.7#, EUE tub w/pin collar. Bottom ft. Tot. length of string=6350.42. Landed Depth-6360 KDB.
Frac #3: Fraced w/70,000 gal gelled wt and 70,000# 20-40 sd. Formation broke from 2800-2200 psi. Dropped 175 balls in four drops. Maximum treating pressure-3200 psi. Avg. rate = 35 BPM. Immediate SIP= 1500 psi. 30 min SIP= 800 psi. Ran official potential test. Well flowed 4017.3 MC/DD on 3/4" choke during 1 hour tests. CHOP= 4776.3 MC/DD. (Company's test)
Lesser or Three Federal High Undersaturated State New Mexico
Company: Douglas Exploration Inc. Address: 11023 Santa Fe Avenue, Denver, Colo.

Size
Weight
Thickness per
Unit

Surface type: Kapok, its of 8-5/8" 1-55, 24# STC csg. and set @ 2333 (KDB).
Cemented with 200 sx cmt w/2% CaCl. Had complete returns. Ctr. approx. 50 sx
WOC @ 1:30 A.M. 10/3/60.

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 the reasons for new work and the results. No there were any changes made in the casing, state fully, and if any casing was "sidetracked", or left in the well, give the size and location. If the well has been dynamited, give date, size, position, and depth of shots. If pings or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

HISTORY OF OIL OR GAS WELL

FROM-		TO-	TOTAL FEET	FORMATION
6000	6000 TO	6000	300	Gravel
5800	5800	5800	30	Gravel
5600	5600	5600	30	Gravel
5400	5400	5400	30	Gravel
5200	5200	5200	30	Gravel
5000	5000	5000	30	Gravel
4800	4800	4800	30	Gravel
4600	4600	4600	30	Gravel
4400	4400	4400	30	Gravel
4200	4200	4200	30	Gravel
4000	4000	4000	30	Gravel
3800	3800	3800	30	Gravel
3600	3600	3600	30	Gravel
3400	3400	3400	30	Gravel
3200	3200	3200	30	Gravel
3000	3000	3000	30	Gravel
2800	2800	2800	30	Gravel
2600	2600	2600	30	Gravel
2400	2400	2400	30	Gravel
2200	2200	2200	30	Gravel
2000	2000	2000	30	Gravel
1800	1800	1800	30	Gravel
1600	1600	1600	30	Gravel
1400	1400	1400	30	Gravel
1200	1200	1200	30	Gravel
1000	1000	1000	30	Gravel
800	800	800	30	Gravel
600	600	600	30	Gravel
400	400	400	30	Gravel
200	200	200	30	Gravel
0	0	0	30	Gravel

FORMATION RECORD		EMPLOYEES		DATES		TOOLS USED		SHOOTING RECORD		PLUGS AND ADAPTERS		MUDLOGGING AND COUNTING RECORD	
FROM-	TO-	NAME	POSITION	DATE	TIME	TOOL	DEPTH	DATE	TIME	PLUG	DEPTH	DATE	TIME
6000	6000 TO	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
5800	5800	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
5600	5600	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
5400	5400	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
5200	5200	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
5000	5000	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
4800	4800	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
4600	4600	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
4400	4400	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
4200	4200	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
4000	4000	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
3800	3800	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
3600	3600	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
3400	3400	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
3200	3200	John Doe	Driller	1950	10:00	Rotary	100	1950	10:00	Plug	100	1950	10:00
3000	3000	John Doe	Driller	1950	10:00	Rotary	1						

FORMATION RECORD—Continued

