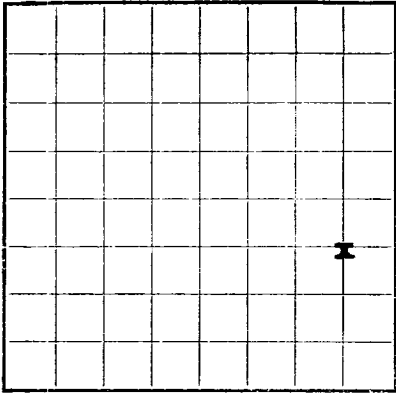




LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE Sante Fe
SERIAL NUMBER USA 078056
LEASE OR PERMIT TO PROSPECT I

LOG OF OIL OR GAS WELL

Company Sunray Mid-Continent Oil Co. Address 411 W. Main, Farmington, N. M.
Lessor or Tract N. M. Federal "Q" Field No. None State N. M.
Well No. 12 Sec. 6 T. 25N R. 12W Meridian NMPM County San Juan
Location 1980 ft. N. of S. Line and 660 ft. E. of W. Line of Sec. 12 Elevation 6194 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 H. M. Stenwalt

Date July 14, 1956 Title Area Engineer

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

Commenced drilling 6-19, 1956 Finished drilling 7-2, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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—	
8 5/8	24	8rd.	Lonestar	186	Baker				Surface
5 1/2	14	8 rd.	4993		Baker		4812	4828	Production
							4878	4884	
							4892	4898	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	8 186	175	Pump & plug		
5 1/2	4993	200	Pump & plug		

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 4995 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing 7-2, 1956

The production for the first 24 hours was 480 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 39

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
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION	
			Schlumberger Tops	
			Pictured Blift	1115
			Point Lookout	3631
			Mances	3840
			Gallup	4687
			Lower Gallup	4795

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
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
84

[Illegible handwritten signature]

[illegible]

and therefore is the only one that can be used to estimate the effect of the treatment on the outcome.

1. The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $t \rightarrow \infty$. It is shown that the solutions of the system (1) tend to zero as $t \rightarrow \infty$ if and only if the matrix A is stable. The second part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $t \rightarrow \infty$ if the matrix A is not stable. It is shown that the solutions of the system (1) tend to infinity as $t \rightarrow \infty$ if and only if the matrix A is not stable.

© 2005 Blackwell Publishing Ltd

[illegible]

Energy E (MeV) $\rightarrow$ $\sqrt{s}$ (GeV) $\rightarrow$ $\sqrt{s}$ (TeV)

100

[illegible]

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.

U. S. GOVERNMENT PRINTING OFFICE 10-45094-2

TRAINING AND COUNSELING RECORD		PERSONAL DATA	
Training	Counseling	Personal	Data
1. Training	2. Counseling	3. Personal	4. Data
5. Training	6. Counseling	7. Personal	8. Data
9. Training	10. Counseling	11. Personal	12. Data
13. Training	14. Counseling	15. Personal	16. Data
17. Training	18. Counseling	19. Personal	20. Data
21. Training	22. Counseling	23. Personal	24. Data
25. Training	26. Counseling	27. Personal	28. Data
29. Training	30. Counseling	31. Personal	32. Data
33. Training	34. Counseling	35. Personal	36. Data
37. Training	38. Counseling	39. Personal	40. Data
41. Training	42. Counseling	43. Personal	44. Data
45. Training	46. Counseling	47. Personal	48. Data
49. Training	50. Counseling	51. Personal	52. Data
53. Training	54. Counseling	55. Personal	56. Data
57. Training	58. Counseling	59. Personal	60. Data
61. Training	62. Counseling	63. Personal	64. Data
65. Training	66. Counseling	67. Personal	68. Data
69. Training	70. Counseling	71. Personal	72. Data
73. Training	74. Counseling	75. Personal	76. Data
77. Training	78. Counseling	79. Personal	80. Data
81. Training	82. Counseling	83. Personal	84. Data
85. Training	86. Counseling	87. Personal	88. Data
89. Training	90. Counseling	91. Personal	92. Data
93. Training	94. Counseling	95. Personal	96. Data
97. Training	98. Counseling	99. Personal	100. Data