

(SUBMIT IN TRIPLICATE)

 UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Land Office **Las Cruces**Lease No. **028721-93(b), Tr. B.**Unit **Burch B**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	☒
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report of Sandoil	☒

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Loce Hills, N. M. May 21, 1956

Well No. **14 - B** is located **1295** ft. from **N** line and **1345** ft. from **W** line of sec. **23**

SE 1/4 SW 1/4 Sec. 23 **17-3** **29-3** **N.M.P.M.**
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Grayburg-Loely **Reddy** **New Mexico**
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **3583** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)
NEW TOTAL DEPTH: 3309. PAY LOGS: 3268-96.

RECORD OF ACIDIZING (1956):

- 5-5 Washed w/126 gallons HCl.
 5-6 Treated w/882 gallons 20% HCl 3252-3309. Max. inj. press. 2500 psig; at end of flush 1825 psig. Total inj. time 12 min. Flushed w/83 Bg. Subd. oil flush & acid water & subd. 1 BOPK.

RECORD OF FRACTURING:

- 5-7 Fractured as follows: Loaded hole & broke down w/115 bbls. crude oil. 218 bbls. 24 deg. API refined oil & 318 bbls. crude oil containing 2,000# 20-60 mesh and 30,000# 20-40 mesh Ottawa sand. Flushed w/99 bbls. crude. Max. inj. press. 2750 psig at end of flush 2400 psig. Total inj. time 27 min. Avg. inj. rate 24.8 BPM. Total load oil to rec. 750 bbls. Used 1 fragmenter & 1 masterliner by Western Co.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.
Continued on page 2.Company **GENERAL AMERICAN OIL CO. OF TEXAS**Address **BOX 416****LOGO HILLS, NEW MEXICO**By **R. J. Heard**Title **Field Supt.**

Subsequent Report of Acid & Frac, Burch B-14. May 21, 1956

RESULTS OF FRACTURING:

- 5- 8 Ran 2" EUE tubing to 3216'.
- 5- 9 Flowed 556 BO in 19 hrs. thru 3/4" tubing choke.
- 5-10 Flowed 322 BO in 24 hrs. thru 3/4" tubing Choke. NET 128 BO.

SUBSEQUENT TESTS:

- 5-16 Flowed 62 BO in 4 - 1 hr. flows.

U. S. LAND OFFICE **Las Cruces**
 SERIAL NUMBER **028784-93(b)**
 LEASE OR PERMIT TO PROSPECT **March 8**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company General American Oil Co. of Texas Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Dorch B Field Grayburg-Keely State New Mexico
Well No. 14 Sec. 23 T. 17-S R. 29-E Meridian N.M.P.M. County Eddy
Location 1295 ft. {N.} of S Line and 1345 ft. {E.} of W Line of Section 23 Elevation 3583'
(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. F. Miller
Title District Engineer

Date May 12, 1956

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

Re- Commenced drilling April 9, 1956 Finished drilling May 8, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3268 to 3292 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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
5 1/8"	14 1/2	8rd	Pittsburgh	3249	Elast				Production string
HISTORY OF CUT ON THE WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5½"	3252	160	Pump & Plug	none	none

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

Acid & Frac ~~SHOOTING RECORD~~

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
	Black	Material			3252-3309	
		20% HCl	126 gals	5-5-56		
		Paraffin Oil	218 Ebl.	5-6-56		
32,000# sand		(Crude Oil	318 Ebl.)	5-7-56	" "	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 2859 feet to 3309 feet, and from _____ feet to _____ feet

DATES

May 12, 1956 Put to producing May 9, 1956

The production for the first 24 hours was 207 barrels of fluid of which 100 % was oil; ----- % emulsion; ----- % water; and ----- % sediment. Gravity, °Pé Indeg. API 37.0

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

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

EMPLOYEES

<u>P. F. Johnson</u>	, Driller	<u>Max Stephens</u>	, Driller
<u>H. H. McDonald</u>	, Driller		, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2859	3169	310	Lime
3169	3173	4	SLM
3173	3183	10	Sandy Lime
3183	3309	126	Lime

A large grid of squares, likely a crossword puzzle or a form.

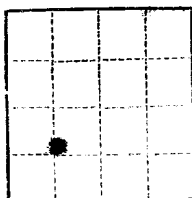
and a copy to the National Security Council, Department of Defense, and the Department of State.

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
841
842
843
844
845
846

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.

[illegible][illegible]

Form 9-331a
(Feb. 1961)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Las Cruces
Lease No. 02874-73(b) Tr. 2
Unit Block 2

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	☒
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Love Hills, New Mexico, May 10, 1956

Well No. 14 is located 1295 ft. from S line and 1345 ft. from W line of sec. 23

C. S. Sec. 23 (1/4 Sec. and Sec. No.) 17-2 (Twp.) 29-1 (Range) N.M.P.M. (Meridian)
Grayburg-Isaly (Field) Eddy (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 3983 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

On April 23, 1956 we ran 3249' of 5 1/2" OD 14.7 lb/ft 2-35 STBC new seamless Pittsburgh casing to 3252 and cemented with 35 sac Alamo cement.

After allowing to stand cemented for 72 hours we drilled plug, bailed hole down and re-ran bailer. In shut-off appeared OK drilling was resumed.

After drilling to 3309', on April 28, 1956 we attempted to acidize with 916 galn HCl. All acid and oil flush went in on vacuum.

On April 29, 1956 we ran Land-Well's radioactive tracer log, which indicated that fluid was going around shoe of 5 1/2" casing.
(Continued on next sheet)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company General American Oil Company of Texas

Address P. O. Box 416

Love Hills, New Mexico

By R. F. Miller
R. F. Miller
Title District Engineer

General American Oil Company of Texas

Page #2

Subsequent report of water shut-off May 10, 1956

On April 30, 1956 we recemented 5½" casing with 75 sac Alamo cement.

On May 2, 1956 after standing 48 hours, we pressured up on recement job and found shut-off to be incomplete. We then recemented with 50 sac cement.

On May 6, 1956 after drilling plug and cleaning out to bottom we acidized with 882 gals 20% HCL. Breakdown pressure was 2500 psig proving cement job OK.

All cementing done by Denton Oil Well Cementing Company.

10-10-77 10:00 AM 10-10-77 10:00 AM 10-10-77 10:00 AM

10-10-77 10:00 AM 10-10-77 10:00 AM 10-10-77 10:00 AM

10-10-77 10:00 AM 10-10-77 10:00 AM 10-10-77 10:00 AM

10-10-77 10:00 AM 10-10-77 10:00 AM 10-10-77 10:00 AM

10-10-77 10:00 AM 10-10-77 10:00 AM 10-10-77 10:00 AM

10-10-77 10:00 AM 10-10-77 10:00 AM 10-10-77 10:00 AM