

NO. 1008 (1-10111-1011) 10713
1008 (1-10111-1011) 10713

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WELL COMPLETION REPORT—18-4

LOG AND HISTORY

WELL NO. 2

PROPERTY McKinley

MEX. CALIFORNIA

COMPANY

550	590	Hard sandy lime
590	596	Broken red bed & sand
596	610	Correction by Halliburton measuring device
610	635	Broken red bed & sand
635	865	Red bed
865	910	Red bed, hard and soft streaks
910	985	Red shale and shells
985	1108	Red bed
1108	1226	Red bed and shells

Gas acid bottle at 1050' - Deviation 1-1/2° from vert.

1226	1228	Red rock
1228	1484	Anhydrite and lime
1484	1528	Anhydrite
1528	1671	Anhydrite & lime

Top anhydrite 1630'

Gas acid bottle at 1650' - Deviation 2° from vertical.

1671	1704	Anhydrite & red shale
1704	1730	Red sandy shale
1730	1741	Anhydrite and shale
1741	1765	Anhydrite & lime

Top salt 1763'

1765	2535	Salt
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Gas Halliburton measuring device at 2200' - No correction

Gas acid bottle at 2500' - Deviation 1-1/2° from vertical

2535	2600	Salt
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Reduced hole from 12-1/4" to 8-5/8" at 2600' and drilled ahead using 8-5/8" bit and 4" drill pipe.

2600	2670	Salt
2670	2895	Hard lime BASE LINE 2700' (from samples)
2895	2900	Anhydrite

Gas acid bottle at 2900' - Dev. 4° from vertical.

2900	3197	Anhydrite TOP SALT LINE 2960'
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Gas Halliburton measuring device at 2996' - No correction

Gas acid bottle at 3100' - Dev. 4° from vertical.

3197	3235	Anhydrite & lime
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Gas acid bottle at 3250' - Dev. 3-3/4° from vertical.

WEST NO.

WELL COMPLETION REPORT—18-4

LOG AND HISTORY

WELL NO. 2 PROPERTY McKinley THE CALIFORNIA COMPANY

3226 3240 Anhydrite
 3249 3298 Anhydrite & lime
 3298 3315 Anhydrite
 3315 3383 Anhydrite & lime
 3383 3471 Anhydrite
 3471 3591 Anhydrite & lime

Van acid bottle at 3498' - Dev. 1° from vertical.

3591 3694 Correction Halliburton measuring device.

3594 3785 Anhydrite & lime

Van acid bottle at 3700' - Dev. 2° from vertical.

3785 3882 Anhydrite & lime

3888 3932 Hard lime

3932 3950 Anhydrite & lime

Van acid bottle at 3980' - Dev. 1-1/2° from vertical.

3950 4005 Hard lime
 4005 4020 Lime / anhydrite
 4020 4040 Hard sandy lime
 4040 4039 Steel line correction
 4039 4042 Hard sandy lime
 4042 4060 Sandy lime

On April 4, 1933, mixed and circulated mud thru 4" drill pipe for 6 hours at the end of which time the mud returns were constant. Weight of mud 12½ per gallon or 89.8 per cubic foot.

On April 4, cemented 4054' of 7" oil string at 4054' (corrected from 4056') with 275 sacks of 51 Poro Special Oil Well Cement, none treated, Halliburton process, using one Halliburton top plug, no bottom plug, under 500 working pressure and 1000 final pressure. Slurry averaged 16-1/4 per gal (121.5 per cubic foot) or 40% water by weight. Halliburton line showed top plug stopped at 4023'. Circulation good and casing free. 41 minutes mixing and pumping cement into place.

CASING DATA:

All 7", 24#, 10 thread, A. S. S. Seamless casing, bottom 2658' is secondhand Jones & Laughlin and Spang Chalfant position and amount of each not known; balance is new Spang Chalfant Standard. Baker cement guide shoe on bottom and Baker cement float collar at 4022 (corrected from 4024').

WELL COMPLETION REPORT 18-4 LOG AND HISTORY

COMPANY

PROPERTY

WELL NO.

1. Name of well 2. Location 3. Date of completion 4. Name of operator 5. Name of engineer 6. Name of geologist 7. Name of geophysicist 8. Name of chemist 9. Name of electrician 10. Name of plumber 11. Name of carpenter 12. Name of painter 13. Name of mason 14. Name of ironworker 15. Name of welder 16. Name of millwright 17. Name of machinist 18. Name of fitter 19. Name of turner 20. Name of cooper 21. Name of joiner 22. Name of cabinetmaker 23. Name of upholsterer 24. Name of saddler 25. Name of harness maker 26. Name of shoemaker 27. Name of hatter 28. Name of milliner 29. Name of dressmaker 30. Name of seamstress 31. Name of tailor 32. Name of furrier 33. Name of taxidermer 34. Name of jeweler 35. Name of watchmaker 36. Name of optician 37. Name of photographer 38. Name of printer 39. Name of bookbinder 40. Name of stationer 41. Name of florist 42. Name of baker 43. Name of butcher 44. Name of grocer 45. Name of druggist 46. Name of pharmacist 47. Name of dentist 48. Name of physician 49. Name of nurse 50. Name of midwife 51. Name of obstetrician 52. Name of surgeon 53. Name of oculist 54. Name of otolaryngologist 55. Name of dermatologist 56. Name of gynecologist 57. Name of urologist 58. Name of cardiologist 59. Name of pulmonologist 60. Name of nephrologist 61. Name of endocrinologist 62. Name of immunologist 63. Name of allergist 64. Name of infectious disease specialist 65. Name of hematologist 66. Name of oncologist 67. Name of radiologist 68. Name of pathologist 69. Name of microbiologist 70. Name of virologist 71. Name of bacteriologist 72. Name of parasitologist 73. Name of immunologist 74. Name of epidemiologist 75. Name of public health specialist 76. Name of health educator 77. Name of dietitian 78. Name of nutritionist 79. Name of physical therapist 80. Name of occupational therapist 81. Name of speech therapist 82. Name of audiologist 83. Name of audiologist 84. Name of audiologist 85. Name of audiologist 86. Name of audiologist 87. Name of audiologist 88. Name of audiologist 89. Name of audiologist 90. Name of audiologist	1. Name of well 2. Location 3. Date of completion 4. Name of operator 5. Name of engineer 6. Name of geologist 7. Name of geophysicist 8. Name of chemist 9. Name of electrician 10. Name of plumber 11. Name of carpenter 12. Name of painter 13. Name of mason 14. Name of ironworker 15. Name of welder 16. Name of millwright 17. Name of machinist 18. Name of fitter 19. Name of turner 20. Name of cooper 21. Name of joiner 22. Name of cabinetmaker 23. Name of upholsterer 24. Name of saddler 25. Name of harness maker 26. Name of shoemaker 27. Name of hatter 28. Name of milliner 29. Name of dressmaker 30. Name of seamstress 31. Name of tailor 32. Name of furrier 33. Name of taxidermer 34. Name of jeweler 35. Name of watchmaker 36. Name of optician 37. Name of photographer 38. Name of printer 39. Name of bookbinder 40. Name of stationer 41. Name of florist 42. Name of baker 43. Name of butcher 44. Name of grocer 45. Name of druggist 46. Name of pharmacist 47. Name of dentist 48. Name of physician 49. Name of nurse 50. Name of midwife 51. Name of obstetrician 52. Name of surgeon 53. Name of oculist 54. Name of otolaryngologist 55. Name of dermatologist 56. Name of gynecologist 57. Name of urologist 58. Name of cardiologist 59. Name of pulmonologist 60. Name of nephrologist 61. Name of endocrinologist 62. Name of immunologist 63. Name of allergist 64. Name of infectious disease specialist 65. Name of hematologist 66. Name of oncologist 67. Name of radiologist 68. Name of pathologist 69. Name of microbiologist 70. Name of virologist 71. Name of bacteriologist 72. Name of parasitologist 73. Name of immunologist 74. Name of epidemiologist 75. Name of public health specialist 76. Name of health educator 77. Name of dietitian 78. Name of nutritionist 79. Name of physical therapist 80. Name of occupational therapist 81. Name of speech therapist 82. Name of audiologist 83. Name of audiologist 84. Name of audiologist 85. Name of audiologist 86. Name of audiologist 87. Name of audiologist 88. Name of audiologist 89. Name of audiologist 90. Name of audiologist
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WELL COMPLETION REPORT—18-4

LOG AND HISTORY

WELL NO. 2 PROPERTY McKinley THE CALIFORNIA COMPANY

to cemented 5 days 1-1/2 hours.

On April 9, 1933, made 30-minute casing test by pressure method (1200/ per sq.in.). Test witnessed and approved by State Oil & Gas Inspector, J. D. Hunter.

Found top of cement plug at 4021' with Halliburton measuring device. Drilled out cement and plug from 4021' to 4054' and cleaned out from 4054' to 4053'. Shoe of 7" casing found at 4054' instead of 4056'.

On April 10, ran Halliburton tester on dry 3" drill pipe with 38' of anchor, top 3' of which was perforated, below packer. Packer was set at 4020'. Opened valve of tester for 1 hour during which time the fluid level between the drill pipe and casing did not change and no fluid entered the dry string of drill pipe. Test witnessed and shut-off approved by State Oil & Gas Inspector, J. D. Hunter.

Drilled ahead using 6-1/4" bit on 3" drill pipe.

			TIME		MINUTES
			FROM	TO	
4060	4055	Halliburton line correction.	4053	4060	57
4058	4062	Amphibrite, hard	New bit at 4053'		
4062	4071	White & brown line, hard	4060	4062	33
4071	4074	Sandy line	4062	4064	30
			4064	4066	29
			4066	4068	38
			4068	4070	49
			4070	4072	37
			4072	4074	22
4074	4076	White line	4074	4076	27
4076	4082	Sandy line	4076	4078	31
			4078	4080	24
			4080	4082	21
4082	4084	White line, some sandy line	4082	4084	42
4084	4094	Sandy line, some white & brown line	4084	4086	46
			4086	4088	30
			4088	4090	24
			4090	4092	40
			4092	4094	50
4094	4100	Sandy line	4094	4096	30
		New bit at 4094'	4096	4098	45
			4098	4100	17
4100	4102	White line	4100	4102	28
			4102	4104	25
			4104	4106	20
			4106	4108	30

ON LEVY

WELL COMPLETION REPORT LOG—PRO. 18-3

WELL NO. 2

PROPERTY McKinley

THE CALIFORNIA

COMPANY

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS

NOTE: FORMATIONS SHOWN

			FORMATION DRILLED AND CORED			
FROM	TO	FEET		FROM	TO	MINUTES
4108	4123		sandy lime	4108	4110	15
				4110	4112	15
				4112	4114	13
				4114	4116	10
				4116	4118	5
				4118	4120	7
				4120	4123	14
4123	4124		white lime	4123	4125	23
				4124	4127	15
				4127	4131	30
4127	4131		sandy lime	4127	4129	30
				4129	4131	30
				4131	4133	45
4131	4135		white lime	4131	4133	45
				4133	4135	35
4135	4137		sandy lime & some white lime	4135	4137	35
				4137	4139	20
4137	4143		sandy lime	4137	4139	20
				4139	4141	20
4143	4145		sandy lime trace of white lime	4141	4143	30
				4143	4145	30
4145	4149		white lime trace of sandy lime	4143	4145	30
				4145	4147	25
4149	4153		sandy lime trace of white lime	4147	4149	25
				4149	4151	35
4153	4163		sandy lime (LIGHT SHOW GAS AT 4154')	4149	4151	35
				4151	4153	30
4153	4163			4153	4155	42
				4155	4157	30
4163	4183		sandy lime & white lime TOP CRYSTALLINE LIME 4164' HARDENED AT 4164'	New bit at 4155'		
				4157	4159	26
				4159	4161	18
				4161	4163	20
				4163	4165	30
				4165	4167	34
				4167	4169	26
				4169	4171	30
				4171	4173	17
				4173	4175	15
4183	4199		Gray lime white & gray lime (hard) white lime, soft	4175	4177	24
				4177	4179	34
				4179	4181	30
				4181	4183	15
				4183	4185	17
				4185	4187	35
				4187	4189	24
				4189	4191	19
				4191	4193	20
				4193	4195	18
4199	4200		white lime very hard	4195	4197	14
				4197	4199	26
				4199	4200	37

WELL COMPLETION REPORT—18-4

LOG AND HISTORY

WELL NO. 2 PROPERTY McKinley DIST. CALIFORNIA COMPANY

			FROM	TO	MINUTES
4200	4204	White line, hard	4200	4201	27
			4201	4203	65
			4203	4205 soft at	30
			few bit at 4200' (4204')		
4204	4205	Soft granular brown	4205	4207	12
		line SKIMMING OIL PRODS-	4207	4209	17
4209	4211	Gray. losing drls. water	4209	4211	16
4211	4213	Active hard white line	4211	4213	23
			4213	4215	27
			4215	4217	19
4217	4221	Soft granular brown	4217	4219	13
		line SKIMMING OIL PRODS-	4219	4221	14
		ABLE FAY	4221	4223	16
4221	4223	White line	4223	4225	23
4223	4227	Gray. white line trace	4225	4227	13
		blue and gray sand	4227	4229	12
4227	4231	Soft granular brown line	4229	4231	11
		SKIMMING OIL PRODS-	4231	4233	15
		ABLE FAY	4233	4235	12
			4235	4237	18
4237	4239	White line	4237	4239	17
4239	4241	White line, trace gray	4239	4241	19
		sand			

Lost drilling water at rate of approximately 14 barrels hourly while drilling from 4200 to 4227 feet and approximately 20 barrels hourly 4227 to 4241 feet.

Stopped drilling at 3:30 PM April 12, 1933.

On April 13, 1933, well was tubed to 4239' with 2-1/2" U.L., 10 and 11-1/2 thread, secondhand tubing with perforations from 4217 to 4226 feet. Bottom 3531' of tubing is 11-1/2 thread and balance, 710', is 10 thread joined to 11-1/2 thread tubing with sub coupling. Perforations from 4217' to 4226' consist of thirty 1/3" holes, staggered. 1" hole in bottom of tubing with 3/4" rivet immediately above it.

Replaced drilling water with oil pumped down between tubing and casing and out thru tubing in an attempt to start flow without swabbing. Well did not flow.

At 12 noon on April 14 well commenced flowing into pits when fluid had been swabbed to 1250'. Flowed well into pits thru open 2-1/2" tubing for 2 hours. Fluid out 20%. Shut in tubing and opened casing for 1 hour. Did not flow. Closed casing and opened thru tubing and well flowed into pit thru open 2-1/2" tubing for 3 hours at estimated rate of 2000 barrels fluid daily.

ON 11219

WELL COMPLETION REPORT 18-4 (Page 6)

LOG AND HISTORY

WELL NO. 2

PROPERTY McMinley

113 0 1070 024

COMPANY

On April 15, 1933, well flowed into air thru open 2-1/2" tubing for 3 hours. Out rate from 10% to 2%. Switched flow into casing and well produced 233 barrels fluid, out 2% in 3 hours thru open 2-1/2" tubing. During a 1-hour unofficial test thru open tubing and casing well flowed 233 barrels fluid, out 2%. First flow measurement showed gas volume to be at rate of 894 cu. cubic feet daily, while flowing thru open 2-1/2" tubing and 201 cu. cubic feet daily while flowing thru open tubing and casing.

On an official one-hour production test April 25, 1933, well flowed at following rates:

Thru open 2-1/2" tubing - 2331 bbls. oil and 3316 MCF gas daily; 2.5. 20%

Thru open 2-1/2" tubing and casing - 5508 bbls. oil and 6437 MCF gas daily; pressure 400 to 25 pounds. Oil showed out of 2/10% Bore

The well was flowed thru open tubing one hour prior to tubing test and for 1/2 hour between tubing and casing prior to open test.

The potential of 5508 barrels gave the well a daily allowance of 132 barrels for the first 15 days and 131 barrels for the last 16 days of May.

Shell Pipe Line Company approved connection on May 6, 1933, and the well was put on production at 7:10 A.M. May 8, 1933. During the first 30 days it produced an average of 141 barrels daily, flowing thru 9/64" choke 3 days, 11/64" choke 10 days, 12/64" choke 11 days and 13/64" choke 6 days.

COMPANY

PROPERTY

NO. 43W

The first part of the document is a letter from the President of the United States to the President of the Senate, dated January 14, 1901. The letter is signed by William McKinley and is addressed to John D. Long. The letter is a copy of a letter that was sent to the President of the Senate by the President of the United States. The letter is a copy of a letter that was sent to the President of the Senate by the President of the United States. The letter is a copy of a letter that was sent to the President of the Senate by the President of the United States.

WELL COMPLETION REPORT--18-4 LOG AND HISTORY

WELL NO.

PROPERTY

COMPANY

2

McKinley

McKinley

Total depth - 4241'

Casing - one

Cement - one

Casing: 16" cemented at 300' with 335 sacks
cement, water shut off 0-1'

7" cemented at 4054' with 275 sacks
cement, water shut off 0-1'.

2-1/2" tubing, perforated 4217-4226', hung
at 4239'

Lump - None

Markers: Top Anhydrite 1630' (approximately)
Top Salt 1703'
Base Salt 2700'
Top Brown Line 2960'
Top Crystalline Line 4184' (Samples)
Probable Pays 4204-4211'
" " 4217-4221'
" " 4227-4237'

Completion Test: 1-hour April 25, 1934.

Thru open 2-1/2" tubing - 2851 bbls. oil and 3316 MCF
gas daily; T.P. 20'

Thru open 2-1/2" tubing and
casing - 5508 bbls. oil and 6457 MCF
gas daily; pressure 400 to
25 pounds. Oil showed out
of 2/10" B&B's.

DRELLING - George Farham, Brownport, La.
Tool Pusher - Frank O'Deal
Rigging - Ed Benson
" P. Hammond
" A. Boyd

COMPILED BY G. W. L. McKEOWN.

Midland, Texas
, 1935.

WELL COMPLETION REPORT 18-A LOG AND HISTORY

COMPANY

PROPERTY

WELL NO.

1. General Information

2. Well Completion Details

3. Log Data

4. History

5. Remarks

6. Signature

7. Date