

D. C. C.
ARTESIA OFFICE

LOCATE WELL CORRECTLY

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

Commenced drilling September 21, 1960 Finished drilling October 13, 1960

No. 1, from 6907 to 7260 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

[illegible]

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	1600	600	Halliburton		
4-1/2	7233	1300	Halliburton		

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

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

Rotary tools were used from 0 feet to 7233 feet, and from feet to feet

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

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was 192 barrels of fluid of which 25% was oil; 0% emulsion; 75% water; and 0% sediment. Gravity, °Bé. 25

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

Rock pressure, lbs. per sq. in. _____

_____, Driller
K. A. Stroud, Driller
H. E. Jackson, Driller
R. D. Whirley, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	200	200	Redbed
200	664	464	Redbed & Anhydrite
664	1444	780	Anhydrite & Salt
1444	2078	634	Anhydrite & GYP
2078	2742	664	Anhydrite & Lime
2742	2988	246	Lime & Shale
2988	7233	4245	Lime
7233	Total Depth		
<u>Deviation Surveys</u>			<u>Geological Tops</u>
1/2	• 950	1-3/4 • 4938	Jates 1531
1-1/2	• 2274	2-1/4 • 5406	Queen 2502
2-1/4	• 2856	2-1/2 • 5920	San Andres 3291
2-1/4	• 3589	2-1/2 • 6346	Glorieta 4832
1-3/4	• 4448	3-3/4 • 6774	Abo Reef 6907
		3-1/4 • 7150	

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
HISTORY OF OIL OR GAS WELL			
10-14-60	7233'	RD - Set 7233' of 4-1/2" OD 9.5 & 11.6 J-55 R2 SR csg at 7233 & cemented w/1300 sks (1100 sks encore pozzix plus 6% gel & 200 sks pozzix plus 2% gel). Cement circulated to surface. Completed at 4:30 AM 10-14-60. WOC.	
10-15-60		Tested csg w/1200 lbs pump pressure for 30 mins. no decrease in pressure. cement set 24 hrs prior to commencing test.	
10-16-60		Moved in DDH (Daniels Well Servicing). Ran Electron log. Ran 2" tbg to 7142 w/packer @ 7110. Perforated csg. f/7164-74 w/20 holes. Spotted 500 gals. 15% LST Acid. Max Press 3800, Min Press 2400, inj rate 1.4 BPM, SIP 1500, 10 min SIP 350. Swabbed 122 bbls water w/slight show oil in 4 hrs.	
10-18-60		Pulled tbg & packer. Set Baker CI cement retainer @ 7160. Ran 2" tbg to 7160' squeezed perfs 7164-74 w/100 sks cement, reversed out 65 sks. Waited on cement 12 hrs.	
10-19-60		Pulled & rerun 2" tbg to 7110 w/packer @ 7078. Jet perforated f/7152-58 w/12 holes.	
10-20-60		Spotted 500 gals LST acid on perfs 7152-58. Pressured to 5700, could not break formation. Reperforated 7152-58 w/12 holes, circulated acid, Max Press 3600, Min press 3200, inj rate 1.2 BPM 5 min SIP 1600, flowed 18 bbls fluid cut 14% water in 7 hrs.	
10-21-60		Pulled tbg & packer, set Baker CI retainer at 7149, squeezed perfs 7152-58 w/50 sks cement, reversed out 7 sks. Waited on cement 12 hrs.	
10-23-60		Ran 2" tbg to 7107 w/packer @ 7074. Jet perforated 7136-48 w/24 holes, Spotted 500 gals acid on perfs, Max Press 4000, Min Press 2400, 5 min SIP 300. Swabbed 105 bbls water w/slight trace oil in 7-1/2 hrs.	
10-24-60		Pulled tbg & packer. Set Baker CI cement retainer @ 7132. Ran tbg to 7132 & squeezed perfs 7136-48 w/50 sks cement, Max Press 5000, reversed out 24 sks, waited on cement 12 hrs.	
10-26-60		Ran 2" tbg to 7074 w/packer @ 7042. Jet perforated 7119-24 w/20 holes and acid washed w/500 gals LST Acid. Max Press 3600, Min Press 2800, inj rate 1 BPM 5 min SIP 1600, Flowed 6 bbls fluid cut 23% HSW in 10 hrs on 1/2" choke.	
10-27-60		Pulled tbg & packer. Set Baker CI retainer @ 7114. Ran tbg to 7114 & squeezed perfs 7119-7124 w/50 sks cement, reversed out 5 sks. Waited on cement 12 hrs.	
11-1-60		Drilled out CI retainer & cement to 7160. Jet perforated 7153-57 w/16 holes. Ran tbg & packer to 7150. Spotted 200 gals mud acid, moved packer to 8133.	
11-2-60		11-2-60 Mud acid washed perfs 7153-57 w/200 gals, Max Press 3200, Min Press 1200, inj rate 1/3 BPM, 5 min SIP 200, swabbed 70 bbls black sulphur water in 4 hrs.	
1-3-60		Pulled tbg & packer & rerun tbg & packer to 7149. Pressure tested annulus to 1500#, tested OK, pumped down tbg into perfs w/900#, no communications. Swabbed perfs 7153-57, swabbed 180 bbls formation water w/trace oil in 10 hrs.	
1-5-60		Pulled tbg & packer set CI retainer at 7130. Squeezed perfs 7153-57 w/50 sks, reversed out 30 sks, Waited on cement 12 hrs.	
1-7-60		Drilled cement & retainer to 7160, ran 2" tbg and abrasive jet perforated 4 holes 7154-56 using 120 bbls fluid & 2500 lbs sand. inj rate 4 BPM @ 3300#. Perforated 4 holes 7152-54 using 120 bbls fluid & 2500 lbs sand, inj rate 4 BPM @ 3300#.	

HISTORY OF OIL OR GAS WELL

16-43004-2 U. S. GOVERNMENT PRINTING OFFICE

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.

- 11-8-60 Ran 2" tbg & packer to 7150, swabbed dry, attempted to break down perfs 7152-56 w/150 crude, could not pump in w/5000#, spotted 80 gals mud acid, could not break down at 6400#, pulled tbg & packer.
- 1-9-60 Ran 2" tbg w/Baker full bore packer to 7150. Broke perfs 7152-56 w/6200#.
- 11-11-60 Pulled tbg & packer and rerun 2-3/8" OD tbg to 5000'. Placing well on pump
- 11-17-60 ON POTENTIAL TEST - 7160' PB - on 24 hr potential test ending 6:00 AM 11-17-60 well pumped 48 bbls new 13.0 gravity oil & 144 bbls formation water in 24 hrs. GOR 890 to 1. Both Csg & Tbg Pressures=Zero. Completed as an oil well thru perfs 7152-7156 at 48 bbls oil per calendar day. FINAL REPORT