

Form 9-330

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 064226

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GEOLOGICAL SURVEY

NOV 20 1961

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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICOD. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Reading and Bates, Inc. Address 1101 Philtower Bldg., Tulsa 3, Okla.
Lessor or Tract Featherstone Field North Benson State New Mexico
Well No. 1 Sec. 27 T. 18S R. 30E Meridian N. M. P. M. County Eddy
Location 353 ft. N. of S. Line and 2287 ft. E. of W. Line of Sec. 27 Elevation 3453 Gr.
(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

D. L. Potter

Title

Exploration Geologist

Date November 20, 1961

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

Commenced drilling October 19, 1961 Finished drilling October 29, 1961Log & Depths using
Ground Datum

No. 1, from 2804 to 2816 No. 2, from 2913 to 2918 No. 3, from 3008 to 3016 No. 4, from 3184 to 3189
No. 5, from 3189 to 3190 No. 6, from 3190 to 3191

IMPORTANT WATER SANDS

No. 1, from 2804 to 2816 No. 2, from 2913 to 2918 No. 3, from 3008 to 3016 No. 4, from 3184 to 3189
No. 5, from 3189 to 3190 No. 6, from 3190 to 3191

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
8 5/8	24	8 RT	CFI	576			From—	To—
4 1/2	10.3	8 RT	CFI	3184			2814	2816
							3011	3014

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	578	250	Halliburton Pump		Hole Full
4 1/2	3184	200	Halliburton Pump	10.3	Hole Full

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 surface feet to 3189 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 15, 1961 Put to producing November 12, 1961

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

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 300 **Casing pressure while pumping**

EMPLOYEES

P. E. Ezernack, Driller V. J. Byrd - Pusher, Driller
R. J. Vaught, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	320	-	Red Beds and sand
320	582	-	Rustler Anhydrite and shale
582	1543	-	Salt AT THE END OF COMPLETE DRILL LOG ADD GEOLOGIC TOP. STATE WHETHER FROM OR TO
1543	1962	-	Anhydrite and shale
1962	2050	-	Yates - Sand, dolomite & anhydrite
2050	2788	-	Dolomite, anhydrite, and some interbedded shales red and grey - Buff dol.
2788	2832	-	Queen - Red, white and grey silty sand. Oil saturated in part.
2832	2894	-	Dolomite and anhydrite
2894	2919	-	M. Queen - Red and white sand and dolomite
2919	2990	-	Buff to grey dolomite, some anhydrite
2990	3016	-	Penrose - White-grey fine grains sand and red silty sand-some oil saturation
3016	3158	-	Buff and grey dense dolomite
3158	3189	-	Red and grey mottled tight sand and silty sand (Greyburg)
	T. D.		

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ARTIST: DEKLE

NEW 242 RC NO 70 CC.I

4. **THEORY OF THE CASE**

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and even as I would to add more, I do not feel I can do so without being "T

[illegible]

... and the ...

on pump. Pumped 100 barrels per day on 400 feet.

Drilled to 604. Ran 576 lbs. 8 5/8" 24# used casing set at 578 ft. Ground datum. 590 KB. Mixed 250 sacks cement. Spotted 125 jacks on bottom in minutes. Set 4 hours. Ran 65 sacks outside casing from the surface 325' fillup from bottom. 125' down from top. Drilled 7 7/8" hole to 3201 KB 5189 Ground. Ran 3184 ft. 4 1/2" 10.5# casing set at 3184 ft. Ground datum. Used 200 sks. 50-50 Pozzix and Portland. Top of cement 2125' by Temp. Survey. Perforated with Lane Wells jet. 3 holes per ft. 3011-14 and 2 holes per foot 2810-12 and 2814-16. Spotted 200 gal. acid and broke from 3500# to 1200#. Flaced 1st stage with 19,950 gal. lease crude 24,000# sand. Maximum 3750#, minimum 3500#. Dropped 4 balls and pumped 200 gal. acid. Formation broke from 3800# to 3000#. Flaced with 18,044 gals. lease crude 22,000# sand. Maxi-mum 3800# minimum 3500#. Total load 848 barrels. Flowed and washed load - Put

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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

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MSAM C-100

FORMATION RECORD—Continued

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