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ARTESIA, NEW MEXICO

Las Cruces
U. S. LAND OFFICE 029420 (b)
SERIAL NUMBER
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UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Skelly Oil Company Address Box 38 - Hobbs, New Mexico
Lessor or Tract H.M. Dow "B" Field Grayburg-Jackson State New Mexico
Well No. 31 Sec. 28 T. 17S R. 31E Meridian NMPM County Eddy
Location 1980 ft. N of N Line and 660 ft. E of W Line of Section 28 Elevation 3768'
(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.

Date December 29, 1958 Signed J. J. C. C. Title District Superintendent

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

Commenced drilling November 18, 19 58 Finished drilling December 21, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3458 to 3538 No. 4, from _____ to _____
No. 2, from 3575 to 3652 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"	22.7#	-	Armco SJ	676'	Float				
5 1/2"	15.5#	88	SS J-55	16'	Float				
5 1/2"	14#	88	SS J-55	3596'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	686'	125	Halliburton		
5-1/2"	3575'	320	Halliburton		

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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to 3652 feet, and from _____ feet to _____ feet

DATES

_____, 19 _____ Put to producing December 27, 19 58

The production for the first 24 hours was 1210 barrels of fluid of which 100% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. 39.9°

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
0	460	460	Redbed & Sand
460	576	116	Anhydrite
576	1536	960	Salt
1536	1695	159	Anhydrite & Dolomite
1695	2061	366	Sand & Anhydrite
2061	2708	647	Dolomite & Anhydrite
2708	2887	179	Sand & Anhydrite
2887	3111	224	Sand
3111	3458	347	Dolomite & Sand
3458	3557	99	Sand & Dolomite
3557	3652	95	Dolomite

GEOLOGICAL TOPS BY LANE WELLS GAMMA RAY-NEUTRON LOG:

Top Anhydrite 460'
Top Salt 576'
Base Salt 1536'
Top Yates 1695'
Top 7-Rivers 2061'
Top Queen 2708'
Top Penrose 2887'
Top Grayburg 3111'
Top Premier 3458'
Top San Andres 3557'

FORMATION

HISTORY OF OIL OR GAS WELL

ACTED JOB 3575-3652:
Spotted 250 gallons 15% acid on bottom, loaded hole with oil. Let acid soak 1 hour then pumped acid into open-hole formation 3575-3652' at 2900# breaking to 2600#.

Fractured open-hole 3575-3652' with 780 barrels lease oil, jelled 80 seconds to quart, and 45,000# sand mixed 1 to 1# per gallon by the Cardinal Chemical Company. Process, flushed with 175 barrels lease oil. Maximum treating pressure 2750#, maximum injection rate 34 barrels per minute. Minimum injection rate 27 barrels per minute. Time of treatment 36 minutes. Shut-down pressure 1600#. Left shut-in 14 hours and pressure dropped to 400#.

After recovering all load oil, well flowed 1210 barrels new oil in 24 hours through 3 7/8" choke, I. 140#, C.P. 625#, corrected gravity 39.9°, gas tested 740 McFPD.

hours and pressure dropped to 400#. After recovering all load oil, well flowed 1210 barrels new oil in 24 hours through 3 7/8" choke, I.P. 140#, C.P. 625#, corrected gravity 39.60, gas tested 740 MCF/D.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

DEPARTMENT OF THE ARMY
MEDICAL SERVICE

DATE: 11/11/2011

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