

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	✓
FILE	✓
U.S.G.S.	✓
LAND OFFICE	✓
OPERATOR	✓

51. Indicate Type of Lease
State ☒ Fee ☐
52. State Oil & Gas Lease No.
LG 8138

1a. TYPE OF WELL <i>Bohm</i>		ARTESIA OFFICE		7. Unit Agreement Name	
b. TYPE OF COMPLETION OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER ☐ P&A				Hard as Nails St. Unit	
2. Name of Operator Yates Petroleum Corporation				8. Farm or Lease Name Hard as Nails St. Unit	
3. Address of Operator 105 South 4th St., Artesia, NM 88210				9. Well No. 1	
4. Location of Well UNIT LETTER <u>J</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>27</u> TWP. <u>9S</u> RGE. <u>26E</u> NMPM				10. Field and Pool, or Wildcat South Pecos Slope Abo	
15. Date Spudded 11-18-87		16. Date T.D. Reached 11-28-87		17. Date Compl. (Ready to Prod.) ---	
18. Elevations (DF, RKB, RT, GR, etc.) 3803.2' GR		19. Elev. Casinghead			
20. Total Depth .5100'		21. Plug Back T.D. -		22. If Multiple Compl., How Many	
23. Intervals Drilled By →		Rotary Tools X		Cable Tools	
24. Producing Interval(s), of this completion - Top, Bottom, Name Dry				25. Was Directional Survey Made No	
26. Type Electric and Other Logs Run CNL/FDC; DLL				27. Was Well Cored NO	

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	978'	12-1/4"	475 SX	
29. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
30. TUBING RECORD					
SIZE	DEPTH SET	PACKER SET			
31. Perforation Record (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
			DEPTH INTERVAL		
			AMOUNT AND KIND MATERIAL USED		

33. PRODUCTION					
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Prod. or Shut-in)
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.
34. Disposition of Gas (Sold, used for fuel, vented, etc.)		Test Witnessed By			

35. List of Attachments Deviation Survey, Logs					
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief					
SIGNED <u>[Signature]</u>		TITLE <u>Production Supervisor</u>		DATE <u>12-15-87</u>	

INSTRUCTIONS

This form is to be filled with the appropriate District Office of the Division not later than 20 days after the completion of the analyzed well or deepened well. It should be accompanied by one copy of full electrical and magnetic survey logs from the well and one copy of all recorded test results. In the case of oil or gas wells, the full test results shall also be reported. For multiple completions, from 50 through 100 shall be reported for each zone. The form is to be filled in duplicate except on state form where a duplicate is required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
U. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres 1050	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta 2180	T. McKee	Base Greenhorn	T. Granite
T. Hesperia YESO 2250	T. Ellenburger	T. Dakota	T.
T. Elinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo 4442	T. Bone Springs	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn.	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

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

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	50	50	Surface, Rock				
50	596	546	Redbeds				
596	927	331	Sand				
927	978	51	Redbeds, Anhy				
978	1198	220	Sand				
1198	1893	695	Anhy, Salt				
1893	2123	230	Anhy				
2123	2658	535	Dolo, Sd				
2658	3362	704	Anhy				
3362	3921	559	Anhy, Dolo				
3921	4100	179	Anhy				
4100	4343	243	Anhy, Dolo				
4343	4419	76	Anhy				
4419	4690	271	Anhy, Shale				
4690	5100	410	Shale				

ARTESIA FISHING TOOL COMPANY

P. O. BOX 68X PHONE (505) 746-6651
470

ARTESIA, NEW MEXICO 88210

108-400

DEC 17 '87

November 30, 1987

C. L. D.
NOTARY OFFICE

Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210

Re: Hard as Nails State Unit #1
1980' FSL & 1980' FEL
Sec. 27, T9S, R26E
Chaves County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

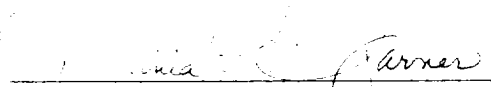
DEPTH	DEVIATION
542'	3/4°
978'	3/4°
1355'	1/4°
1850'	1/2°
2314'	1/2°
2841'	1°
2968'	3/4°
3432'	1/4°
4057'	1 3/4°
4682'	1°
5100'	3/4°

Very truly yours,


B. N. Muncy Jr.
Secretary

STATE OF NEW MEXICO §
COUNTY OF EDDY §

The foregoing was acknowledged before me this 30th day of November, 1987.


NOTARY PUBLIC

