

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

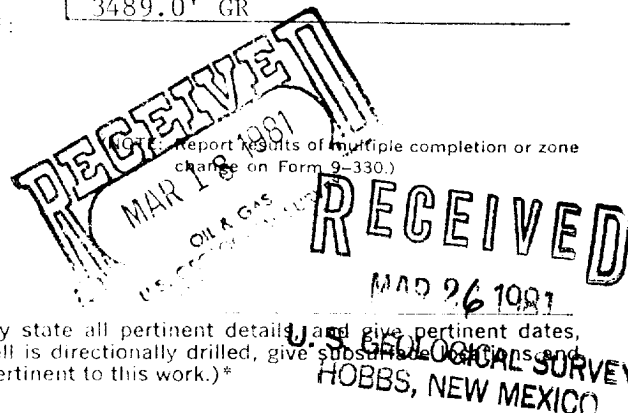
SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
Harvey E. Yates Company
3. ADDRESS OF OPERATOR
P. O. Box 1933, Roswell, N.M. 88201
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
1980' FNL & 1980' FEI.
AT SURFACE:
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Perforate, Acidize & Test	

5. LEASE
NM-16350-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
Young Deep Unit
8. FARM OR LEASE NAME
9. WELL NO.
3
10. FIELD OR WILDCAT NAME
North Young Bone Springs
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T-18S, R-32E
12. COUNTY OR PARISH
Lea
13. STATE
N.M.
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
3489.0' GR



17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface measurements and true vertical depths for all markers and zones pertinent to this work.)*

2/25/81 MI & RU Completion Unit. NU tbg spool & unloaded 9500' of 2 3/8" 4.7#/ft. N-80 tbg. SDFN

2/26/81 WTH w/3 7/8" bit, csg scraper & 2 3/8" tbg. RU Knox Services & circ. hole w/140 bbl of 2%KCl water. Press tested BOP & csg to 1500 psi for 30". Pulled tbg to 9366' and spotted 250 gal 10% acetic acid. POH w/tbg. RU CRC Wireline & ran GR, CBL and Collar Locator. SD

2/27/81 RU CRC Wireline to perforate lower Bone Springs as follows:

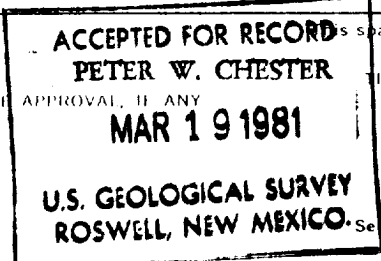
9364', 63', 61' & 60'
9353', 52', 51' & 50'
CONTINUED

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Peter W. Chester TITLE Engineer DATE March 17, 1981

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY



See Instructions on Reverse Side

CONTINUED
2/27/81

RECEIVED

MAR 3

OIL CONSERVATION DIV

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present producing zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

93421, 41.5, 41' & 40'
93321, 31, 29' & 28'
9321, 20, 19.5' & 19'
9312, 11.5, 11' & 10'
9305, 04, 03.5' & 03'
9290, 89, 87' & 86'
Total of 32 - .4" perforations

RIH w/2 3/8" Baker Lok Set pkr, ON-OFF tool and 2 3/8" tbg. Set pkr @ 9248', RD BOP & RU Tree. Press annulus to 250 psi. Started breakdown perfs; formation broke @ 2000 psi. PIP-1/4 BPM @ 3300 psi; Max PIP-1/2 BPM @ 4000 psi; FPIP-1/2 BPM @ 3850 psi. ISIP-3300 psi; 5" SIP-vacuum. SD.
SITP-0 psi; IFL @ 1500' from surface. Swd down to 8500'; slight show of oil and gas. FFL-8500' from surface. SD @ 4:00 p.m.
all day; FL stabilized @ 8500'. Swd total of 50 bbl; SITP-100 psi. IFL-3000' from surface. Swd trace of oil and gas.
SITP-100 psi. Bid down. IFL-3000'. Made 1 swab run; rec est 1 bbl cond. & 2 bbl water. RU Western Co. and NOWSCO. Acidized csf perfs from 9286' to 9364' (32 holes w/4000 gal 15% DS-30 w/46 ball sealers and 1000 SCF N₂ bbl of fluids. Flushed w/2% KCl water. Min Press-4200 psi; Max Press-6500 psi; Avg Press-4800 psi; FPIP-4200 psi ISIP-3000 psi; 5" SIP-1750 psi; 10" SIP-1500 psi. Min Rate-3 B/M; Max Rate-5.5 B/M; Avg Rate-4.2 B/M. Good ball action; did not ball out. Started load rec @ 11:45 a.m. Flwd back for 2 hrs. Made 2 swab runs; IFL-100' from surface. RD Unit. Rec 80 bbl of load; 40 bbl to rec. Rec. small amount of gas & oil. SD

WATER ANALYSIS made by Western Company 3/2/81

Sp Gr	1.1 @ 75'
Fe	Good trace
Nak	41,597
Ca	2,600
Mg	3,159
Cl	76,000 ppm
pH	7
H ₂ S	0
HCO ₃	488
SO ₄	2,250
NaCl	125,020
R _w	.05 @ 75'

3/04/81 SITP-250 psi (16 hrs). RU Chase Swabbing Unit. Bled well to pit. IFL-2300' from surface. Made 3 runs/hr; rec 20 bbl of fluid/hr. FL came up to 1800' from surface. Rec 120 bbl fluid; small amount of oil; scattered gas in each swab run. SD. (NOTE: 80 bbl overlaid to rec. Sent water sample to Western Company to be analyzed).
WATER ANALYSIS made by Western Company 3/4/81

Sp Gr	1.125
pH	6.5
Fe	Good trace

CONTINUED ON ATTACHED PAGE -

3/04/81

Ca	1800 ppm
Mg	1993 ppm
Cl	100,000 ppm
HCO ₃	488 ppm
NaCl	170,000 ppm

Slight skim of oil

3/05/81 SITP-100 psi. IFL-2600; at 10:30 a.m. FL-1900' from surface. Continued to swab until 4:30 p.m. FFL-2300' from surface. Rec total of 150 bbl fluid w/small amount of oil & scattered gas. SD. Prep to run Tracer Survey.
WATER ANALYSIS made by Western Company 3/4/81

Sp Gr	1.125 @ 76°
NaK	58,674
Ca	1,800
Mg	1,580
Cl	98,000
pH	6.5
H ₂ S	0
SO ₄	350
HCO ₃	488
NaCl	161,210

3/06/81 SITP-100 psi. Bled press to pit. RU WPC Worth Well & Knox Services to run Temp. and Pum-In Tracer Surveys. Used 140 bbl 2% KCl water for surveys. After surveys, released Knox and Worth Well. Started swbg; IFL-2500' from surface; FFL-2000' from surface. Swbd 40 bbl back. Released Chase Swab Unit @ 5:p.m. SD

3/11/81 RU Completion Unit. SITP-200 psi (114 hrs). Bld press to pit. RD Tree & RU BOP. Unseated Baker Lok-Set pkr & POH w/tbg, pkr and ON-OFF tool. SD

3/12/81 SITP-0 psi. Started in hole w/RBP, pkr, collar locator and 2 3/8" tbg. Tagged bottom @ 9450'. Pulled tools up to 9372' to set RBP; could not get RBP to set. Pulled tools up to 9346' to set pkr; could not get pkr to set. Started OOH w/tbg and tools. SD.

3/13/81 SITP-0 psi. Pulled tbg and pkr OOH. RTH w/RBP, pkr, and mechanical collar locator on 2 3/8" tbg. Set RBP @ 9373' and pkr @ 9346'. Swbd perfs from 9350' to 9353' and from 9360' to 9364'. IFL-1800' from surface; FFL 2200' from surface. Rec 35 BF w/small amount of gas and oil. SDEN.

3/14/81 SITP-0 psi. Continued swab testing perfs from 9350' to 9353' and from 9360' to 9364'. IFL-1800' from surface; FFL-2000' from surface. Rec 95 BF w/small amount of oil and gas. Released pkr and RBP; reset RBP @ 9346' and pkr @ 9325'. Swbd perfs from 9328' to 9332' and from 9340' to 9342'. Swbd 70 BF w/small show of oil and gas. FFL-2000' from surface. SD

3/15/81 WATER ANALYSIS made by Western Company 3/14/81

Sp Gr	1.088 @ 73°F
pH	5
Fe	Faint trace
H ₂ S	None
HCO ₃	793
Ca	1,000
Mg	1,191
Cl	68,000 ppm