

U.S. GEOLOGICAL SURVEY
P. O. BOX 1040
HOBBBS, NEW MEXICO 88240

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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 ☒ gas ☐ other ☐
well well well
2. NAME OF OPERATOR
Harvey E. Yates Company
3. ADDRESS OF OPERATOR
P. O. Box 1933, Roswell, New Mexico 88201
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FSL & 660' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) 8 5/8" csg; test; DST's 1,2,3,4, & 5

RECEIVED
AUG 24 1981

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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 locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

7/20/81 Depth-4663' running 8 5/8" csg.

7/21/81 Ran 110 jts (total of 4708.96') 8 5/8" csg as follows and set @ 4668'.

33 jts 32#, ST&C, J-55 (1436.11')

28 jts 28#, ST&C, J-55 (1186.93')

47 jts 24#, ST&C, J-55 (1998.48')

2 jts 32#, ST&C, J-55 (87.44')

110 4708.96'

Cemented w/2340 sx Pacesetter-Lite w/10# salt, 6# Gilsonite, 1/4# Celloseal and .2/1% AF-11/sx. Followed w/300 sx Class "H" Neat. PD @ 12:30 p. m.

7/20/81 w/1750 psi - held o. k. Circulate 100 sx of cement.

7/22/81 Depth-5200'. 1 1/2 hrs-WOC; After 18 1/4 hrs WOC. Tested BOP & casing to 1500 psi - 30 min o. k.

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED

ACCEPTED FOR RECORD

TITLE

Engineer

DATE

August 20, 1981

ROGER A. CHAPMAN

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF A

TITLE

DATE

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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 productive 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.

7/27/81 RESULTS OF DST #1 from 6354' to 6464' (109'):

Tool opened @ 12:15 a. m. 7/26/81 w/weak blow; increasing to good.
Tool closed @ 12:45 a. m. for 60" ISIP.
Reopened tool @ 1:45 a. m. w/weak blow throughout 2nd flow period.
Closed tool @ 3:15 a. m. for 180" FSIP.
Sampler: 80 psi; 1.285 CFG; 1900 cc sulphur water.
DP Recovery: 1500' sulphur water.

PRESSURES:	TOP CHART	BOTTOM CHART
HPi	2866 psi	2927 psi
30" IF-FF	106-476 psi	132-554 psi
60" ISIP	2550 psi	2610 psi
90" 2nd IF-FF	542-1131 psi	580-1213 psi
180" FSIP	2524 psi	2583 psi
HPo	2866 psi	2927 psi
BHT	105° F	105° F

8/05/81 RESULTS OF DST #2 from 7755' to 7843' (88'):

Opened tool @ 3:15 p. m. 8/4/81 for 30" PF; good blow increasing to strong; surface press increased to 8 psi in 10" flwg through bubble hose. Opened on 3/8" choke; surface press decreased to 0 psi in 15"; still had weak blow in bucket @ end of 30" PF. No GTS.
Closed tool @ 3:45 p. m. for 60" ISIP.
Opened tool @ 4:45 p. m. w/0 surface press; no blow.
Closed tool @ 6:15 p. m. for 3-hr FSIP.
Released pkrs @ 9:15 p. m. and POH.
DP Recovery: 6589' of sulphur water and 60' gas-cut drlg fluid.
Sampler: 250 psi; .025 CFG and 2500 cc water.
BHT-118° F.

PRESSURES:	TOP CHART	BOTTOM CHART
HPi	3776 psi	3856 psi
30" IF-FF	552-3065 psi	1293-3174 psi
60" ISIP	3207 psi	3246 psi
90" 2nd IF-FF	3128-3192 psi	3138-3246 psi
180" FSIP	3192 psi	3246 psi
HPo	3540 psi	4126 psi

8/09/81 RESULTS OF DST #3 from 8215' to 8300' (85'):

Opened tool @ 7:40 p. m. 8/8/81 for 30" IF w/weak blow; 0 psi.
Closed tool @ 8:10 p. m. for 60" ISIP
Opened tool @ 9:10 p. m. for 90" 2nd flow; w/strong blow; 1 psi; opened on 3/8" choke after 15"; surface press remained @ 1 psi.
Closed tool @ 10:40 p. m. for 3 hr-FSIP
Released pkrs and POH @ 1:40 a. m.
Recovery: 537' of O&GC mud (light oil).
Sampler: 100 psi; 1.042 CFG; 600 cc oil and GCDE.

AUG 25 1981

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Young Deep Unit #6, Cont
8/09/81

<u>PRESSURES:</u>	<u>TOP CHART</u>	<u>BOTTOM CHART</u>
HPi	(Clock Stopped)	3902 psi
30" IF-FF		132-105 psi
60" ISIP		1054 psi
90" 2nd IF-FF		158-185 psi
180" FSIP		1107 psi
HPo		3902 psi
	BHT	124 ^o F.

8/11/81 RESULTS OF DST #4 from 8360' to 8460' (Bottom Hole Test):

Opened tool @ 10:55 a. m. 8/10/81 for 30" PF; had strong blow.
At 11:00 SP-11 psi; 11:05-27 psi; 11:10-42 psi; 11:11-48 psi and GTS;
11:20-55 psi.
Closed tool @ 11:25 for 60" ISIP.
Opened tool @ 12:25 p. m. for 130" 2nd flow; had strong blow. At 12:30
SP-5 psi and GTS; 2:20-125 psi and oil to surface.
Closed tool @ 2:35 for 180" FSIP.
DP Recovery: 3359' of oil; 120' of water.
Sampler: 1800 psi; 4.32 CFG; 1400 cc oil.

<u>PRESSURES:</u>	<u>TOP CHART</u>
HPi	3975 psi
30" IF-FF	253-507 psi
60" ISIP	2882 psi
130" 2nd IF-FF	553-1607 psi
180" FSIP	2905 psi
HPo	3975 psi
BHT	123 ^o F

8/15/81 RESULTS OF DST #5 from 8720' to 8929' (209'):
(Bottom Hole Test)

Opened tool @ 4:55 p. m. 8/14/81 w/weak blow, increased to good.
Closed tool @ 5:25 for 60" ISIP; no GTS.
Opened tool @ 6:25 for 90" 2nd flow; good blow; opened on 3/8" choke; after 30"
SP-6 psi, decreased to 0 psi.
Closed tool @ 7:55 for 180" FSIP; no GTS.
Released pkr and POH @ 10:55 p. m.
DP Recovery: Est 500' of oil and gas-cut drlg fluid.
Sampler: 200 psi; .0214 CFG; 1000 cc gas-cut drlg fluid.

<u>PRESSURES:</u>	<u>TOP CHART</u>	<u>BOTTOM CHART</u>
Hpi	4265 psi	Gauge Plugged
30 " IF-FF	67-135 psi	
60" ISIP	2403 psi	
90" 2nd flow	157-247 psi	
180" FSIP	3219 psi	
HPo	4211 psi	
BHT	126 ^o F	