

New Mexico Oil Conservation Division, District I
1625 N. French Drive
Robbs, NM 88240

Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM-40452

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name --	
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No. --	
2. Name of Operator Harvey E. Yates Company		8. Lease Name and Well No. Shoot 12 Federal #03	
3. Address PO BOX 1933 -- ROSWELL NM 88202-1933		9. API Well No. 30-025-31101 S2	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Unit O (SESW) 495' FSL & 1980' FEL At top prod interval reported below same At total depth same		10. Field and Pool, or Exploratory Wildcat Corbin Grayburg	
14. Date Spudded (orig) 12/19/1990		15. Date T.D. Reached 1/12/1991	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, KB, RT, GL)* 3862' (14' KB)	
18. Total Depth: MD 5,200' TVD		19. Plug Back T.D.: MD 4,910' CIBP TVD	
20. Depth Bridge Plug Set: MD 4,910' TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Density/Neutron, DLL/MLL		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well) *****Casing already existing in well*****

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14 1/2"	9 5/8" J-55	36#	0'	450'	n/a	500 sacks	-	Circulated	--
7 7/8"	5 1/2" J-55	17#	0'	5,200'	n/a	1,350 sacks	-	Circulated	--

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	J-55 @ 4,520'	(TAC) 4,198'						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Grayburg	4612	5144	4758-60', 4750-52', 4738-42'	.41"	35	Producing
Delaware (per OCD)	same	same	4939, 41, 44, 54, 57 -w/1 spf	.41"	5	CIBP - not producing

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4738-4760'	acdz w/1500 gals 15% NEFE
	frac w/69804 gals 10# brine, 1000# sandsacked 20/40, 6000# Super LC 16/30, 14000# CIB prop 125,
4939-4957'	acdz w/2000 gals 10% NEFE
	frac w/16000 gals 30# X-link & 27200# 12/20 Ottawa sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7/17/05	7/31/05	24	→	3	0	2			Pumping
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
n/a	n/a	n/a	→	3	0	2	n/a	Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/12/90	1/12/90	24	→	111	46 est	51	40		Pumping
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
n/a	n/a	n/a	→	111	46 est	51	414	GARY GOURLEY PETROLEUM	perfs closed off by CIBP

(See Instructions and spaces for additional data on reverse side)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)

no gas produced to date

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Surf Rx & anhy	0	1300		Rustler	1310'
Anhy & sand	1300	2950		Yates	2770'
Anhy & dolo	1950	4050		7 Rivers	3247'
Sand	4050	4100		Queen	4004'
Sand & dolo	4100	4200		Grayburg	4612'
Dolo	4200	4300		San Andres	5148'
Dolo & sand	4300	4600		TD	5200'
Dolo	4600	5050			
Sand	5050	5200			

32. Additional remarks (include plugging procedure):

OCD originally designated well as Delaware in Corbin West Delaware.

33. Circle enclosed attachments:

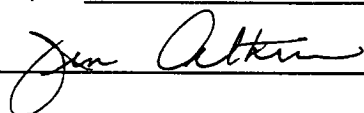
- ☐ 1. Electrical/Mechanical Logs (1 full set req'd.)
 ☐ 2. Geologic Report
 ☐ 3. DST Report
 ☐ 4. Directional Survey
- ☐ 5. Sundry Notice for plugging and cement verification
 ☐ 6. Core Analysis
 ☐ 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Name (please print) Jen Atkinson

Title Prod. Analyst

Signature



Date

8/5/05

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212. make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.