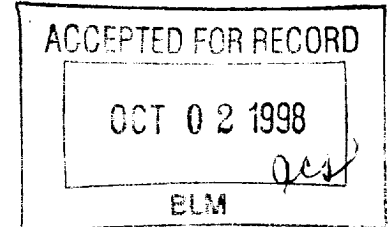


Deviation surveys taken on Yates Petroleum Corporation's Brannigan ANF Fed Com #5 well in Eddy County, New Mexico:

<u>Depth</u>	<u>Degree</u>
194	2.75
318	2.50
527	1.50
857	1.50
1293	1.00
1790	1.25
2195	2.00
2443	.25
2685	1.00
3053	.75
3364	.75
3489	.50
4013	.50
4512	1.50



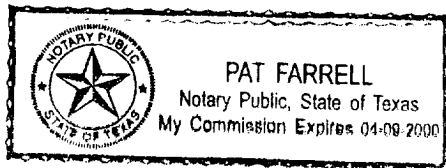
I hereby certify that I have personal knowledge of the facts placed on this sheet and that such information given above is true and complete.



Norton Drilling Company

Before me, the undersigned authority, on this day personally appeared John W. Norton, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the drilling contractor of the well identified in this instrument and that such well was not intentionally deviated from the vertical whatsoever.


John W. Norton

SWORN AND SUBSCRIBED TO before me this 29th day of June 1998.




Notary Public in and for
Lubbock County, Texas.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM-81218

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Brannigan ANF Federal

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Indian Basin Up. Penn. Assoc

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Section 6-T22S-R24E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ELVSR ☐ Other

2. NAME OF OPERATOR

YATES PETROLEUM CORPORATION

(505) 748-1471

3. ADDRESS OF OPERATOR

105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1367' FSL & 177' FEL (Unit I, NESE)

At top prod. interval reported below

At total depth 900' FSL & 660' FEL (Unit P, SESE)

14. PERMIT NO.

API 30-015-30207

DATE ISSUED

12. COUNTY OR PARISH

Eddy

13. STATE

NM

15. DATE SPUNDED

RT 4-29-98

16. DATE T.D. REACHED

6-1-98

17. DATE COMPL. (Ready to prod.)

8-5-98

18. ELEVATIONS (OF, RKB, RT, GB, ETC.)*

4342' GR

19. ELEV. CASINGHEAD

RT 5-2-98

20. TOTAL DEPTH, MD & TVD

8890'

21. PLUG, BACK T.D., MD & TVD

8822'

22. IF MULTIPLE COMPL.,

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

40-8890'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—

TOP, BOTTOM, SAME (MD AND TVD)

8047-8403' Canyon

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL, BHC & Laterolog

25. WAS DIRECTIONAL SURVEY MADE

Yes

27. WAS WELL CORED

No

29. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"		40'	26"	Cement to surface	
13-3/8"	48#	350'	17-1/2"	850 sx - circulate	
9-5/8"	36#	2647'	12-1/4"	1450 sx - circulate	
7"	26# & 23#	8890'	8-3/4"	1100 sx	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	8398'	

31. PERFORATION RECORD (Interval, size and number)

8350-8403' w/19 .42" holes

8047-8319' w/58 .42" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHED SHEET	

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
8-7-98		Pumping					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
9-16-98	24		→	36	2490	2561	69167:1	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
		→	36	2490	2561	N/A		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold - connected to Dagger Draw Gas Processing

TEST WITNESSED BY

Larry Raga

35. LIST OF ATTACHMENTS

Deviation Survey, Directional Survey & Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Operations Technician

DATE Sept. 30, 1998

*(See Instructions and Spaces for Additional Data on Reverse Side)

GEOLOGIC MARKERS	
38.	

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				San Andres Glorieta Bone Springs Wolfcamp Canyon	1055' 2674' 3248' 7318' 7990'	

YATES PETROLEUM CORPORATION
Brannigan ANF Federal #5
Section 6-T22S-R24E
Eddy County, New Mexico

#32: ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.:

<u>DEPTH INTERVAL</u>	<u>TREATMENT</u>
8274-8319'	Acidized with 10000 gallons 20% iron control HCL acid and ball sealers
8182-8202'	Acidized with 10000 gallons 20% iron control HCL acid and ball sealers
8047-8130'	Acidized with 10000 gallons 20% iron control HCL acid and ball sealers