

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

IN DUPLICATE
(See other In-
structions on
reverse side)

For
Budget
No.

5. LEASE DESIGNATION AND SERIAL NO.
NM 0476505

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Cottonwood Draw Unit

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL OR WILDCAT
Cottonwood Draw
Wildcat

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

Sec. 20, T-25-S, R-27-E

12. COUNTY OR
PARISH

Eddy

13. STATE

New Mexico

1a. TYPE OF WELL:

OIL
WELL ☐

GAS
WELL ☒

DRY ☐

Other

b. TYPE OF COMPLETION:

NEW
WELL ☒

WORK
OVER ☐

DEEP-
EN ☐

PLUG
BACK ☐

DIFF.
RESVL. ☐

Other

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ARTESIA OFFICE

2. NAME OF OPERATOR

Robert N. Enfield

3. ADDRESS OF OPERATOR

P. O. Box 2431, Santa Fe, New Mexico 87501

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

At surface

660 FWL, 1980 FSL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

5/4/75

16. DATE T.D. REACHED

7/3/75

17. DATE COMPL. (Ready to prod.)

8/30/75

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

3146 GR

19. ELEV. CASINGHEAD

3146

20. TOTAL DEPTH, MD & TVD

12,062

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

10,713

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

0 - TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

10,682 - 10,693 10,702 - 10,710

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Sonic, Neutron, Density (Schlumberger)

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48# H-40	445'		430 sx C1 C w/2% CaCl	0
9-5/8"	43.50, 40# N-80	5710'		220 sx w/5# Gil, 5# salt & 1/4 flocele,	
	40, 36# K-55, 36# S-80			300 sx C1 C	0
7"	23# ST&C, 29# LT&C	10711.84'		950 sx C1 H 1% CF\$2 w/5# salt	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	10550	10550

31. PERFORATION RECORD (Interval, size and number of shots)

10,682 - 10,693 11 shots

10,702 - 10,710 8 shots

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

PERFORATION INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10,682-10,693	2000 gals 15% PS-30
10,702-10,710	4,700 FC Nitrogen, flush 37 bls.
	KCL water

33.* PRODUCTION

DATE FIRST PRODUCTION 7/20/75		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow gas well (See Form 122)				WELL STATUS (Producing or shut-in) Shut in	
DATE OF TEST 8/30/75	HOURS TESTED 4+	CHOKE SIZE BPT	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF. BPT	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS. BPT	CASING PRESSURE Packer	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF. 2,410	WATER—BBL. ---	OIL GRAVITY-API (CORR.) ---	

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

Vented shut in, waiting on connection

TEST WITNESSED BY

James O'Briant

35. LIST OF ATTACHMENTS

2 copies logs 5 copies G122, 2 copies Div. survey

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

SIGNED

TITLE Operator

DATE 9/5/75

General. This form is designed for submitting a certificate and corrected well cover letter and permit application and license to either a Federal Agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any use of this special permit is subject to the use of this form and the number of copies of this form submitted, particularly with regard to local, area, or regional procedures and policies, whether any short-term basis, or will be issued by, or may be obtained from, the local, area, and/or State office. See instructions on Items 22 and 23 and 33, below regarding separate reports for separate applications.

If not filed prior to the time this summary record is submitted, copies of all currently available 1-g. (diffusion, geologic, sample and core analysis, all types electronic or v. f. or other) and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All analyses should be listed on this form, see item 35.

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 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Enter "bottom" or "surface" in space provided.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the production intervals for each additional interval(s). Submit a separate report (page) on this form, adequately identified, for each additional interval(s) to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. For each additional interval to be separately produced, showing the additional time permitted to such interval.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POINTS TO REMEMBER:

MAKING OF LOGGING ZONES;
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORRELATE INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, FLUIDS USED, TIME TOOL DOWN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP
Strawn	11737'	11895'	DST #1 11737 - 11895, IH-6135, IFP-3095, IFP-5322, ISI-5322, FSI-5322	Delaware	2004'	
Morrow	11892'	11947'	DST #2 11892 - 11947, IH-6234, IFP-153, FFP-1136, ISI-5218, 2nd IFP-1224, FFP-1619, FSI-5263, HO-6190, BHT-198°	Bone Springs Wolfcamp Strawn Atoka Morrow Barnett Shale	5540' 8700' 16470' 10833' 11052' 11940'	

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WELL NAME AND NUMBER Cottonwood Draw Unit #1

LOCATION 1980/S & 660/W Sec. 20, T25S, R27E, Eddy County, New Mexico
(New Mexico give U.S.T&R: Texas give S, BLK, SURV. and TWP)

OPERATOR Robert N. Enfield

DRILLING CONTRACTOR MORANCO

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>
<u>1/2 130</u>	<u>2 2090</u>	<u>1 7440</u>	
<u>3/4 264</u>	<u>1 1/4 2479</u>	<u>1 1/4 7970</u>	
<u>1 445</u>	<u>1 1/4 2823</u>	<u>3/4 8991</u>	
<u>1 701</u>	<u>1 1/4 3330</u>	<u>3/4 9580</u>	
<u>3/4 1002</u>	<u>3/4 3760</u>	<u>3/4 10075</u>	
<u>1 1/2 1245</u>	<u>3/4 4250</u>	<u>1 1/4 10570</u>	
<u>3 1400</u>	<u>3/4 4760</u>	<u>1/2 11550</u>	
<u>2 1/2 1475</u>	<u>1 5260</u>	<u>2 11786</u>	
<u>3 1632</u>	<u>3 5685</u>	<u>2 12053</u>	
<u>3 1/2 1755</u>	<u>1 6180</u>	<u>PB TD 10713</u>	
<u>3 1820</u>	<u>1 1/4 6670</u>		
<u>2 3/4 1940</u>	<u>3/4 6912</u>		

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O. C. C.
ARTESIA, OFFICE

Drilling Contractor MORANCO

By Jerry Gilbert
Jerry Gilbert, Drilling Engineer

Subscribed and sworn to before me this 23rd day of July 1975

My Commission expires:

April 1, 1978

Rayne L. Loring
Notary Public
Lea County, New Mexico

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