

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	☒
FILE	☒
U.S.G.S.	☒
LAND OFFICE	☒
OPERATOR	☒

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED BY

O. S. D.
ARTESIA OFFICE

Form C-105
Revised 10-83

1. Initial Type of Lease	
State ☒	Fee ☐
2. State Oil & Gas Lease No.	
B-9960	

1a. TYPE OF WELL						7. Unit Agreement Name	
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐						Big Eddy	
b. TYPE OF COMPLETION						8. Name of Lease Name	
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐						Big Eddy	
2. Name of Operator						9. Well No.	
Ammex Petroleum, Inc. ✓						99	
3. Address of Operator						10. Field and Pool, or Wildcat	
P.O. Box 10507 Midland, TX 79702						Wildcat	
4. Location of Well							
UNIT LETTER <u>F</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>2080</u> FEET FROM						11. County	
THE <u>West</u> LINE OF SEC. <u>16</u> TWP. <u>21S</u> RGE. <u>28E</u> NMPM						Eddy	
15. Date Spudded		16. Date T.D. Reached		17. Date Compl. (Ready to Prod.)		18. Elevations (DF, RKB, RI, GR, etc.)	
3/29/84		4/7/84		4/20/84		3259.3' GL	
20. Total Depth		21. Plug Back T.D.		22. If Multiple Compl., How Many		23. Intervals Drilled By	
5250'		3645'				Rotary Tools 5250'	
24. Producing Interval(s), of this completion - Top, Bottom, Name						25. Was Directional Survey Made	
2904'-2924' Delaware						no	
26. Type Electric and Other Logs Run						27. Was Well Cored	
GR-DLL-MSFL, GR-CNL-LDT, HDT						no	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
13 3/8"	54.5#	396'	7 1/2"	425 sx "C" + 2% CaCl			
8 5/8"	32# & 24#	2631'	12 1/2"	800 sx LW, 375 sx "C"			
5 1/2"	15.5# & 17#	5211'	7 7/8"	1st & 2nd stage 230 sx ea.			
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	2757'	2757'
31. Perforation Record (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
2904'-2924' 1 jspf				DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 2904'-2924' 1500 gal 15% HCl			
33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
4/21/84		flow & swab				shut in	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
4/21/84	10	open		31	29	26	965
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
15#	0		74	69.6	62	35.5	
34. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	
vented						W. A. Merrick	
35. List of Attachments							
1 copy of daily drilling report log							
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNED <u>James J. Jupp</u>				TITLE <u>Operations Clerk</u>		DATE <u>4/24/84</u>	

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 20 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy 490'
T. Salt _____
B. Salt _____
T. Yates _____
T. 7 Rivers _____
T. Queen _____
T. Grayburg _____
T. San Andres _____
T. Glorieta _____
T. Paddock _____
T. Blinbry _____
T. Tubb _____
T. Drinkard _____
T. Abo _____
T. Wolfcamp _____
T. Penn. _____
T. Cisco (Bough C) _____

T. Canyon _____
T. Strawn _____
T. Atoka _____
T. Miss _____
T. Devonian _____
T. Silurian _____
T. Montoya _____
T. Simpson _____
T. McKee _____
T. Ellenburger _____
T. Gr. Wash _____
T. Granite _____
T. Delaware Sand _____
T. Bone Springs _____
T. _____
T. _____
T. _____

Northwestern New Mexico

T. Ojo Alamo _____
T. Kirtland-Fruitland _____
T. Pictured Cliffs _____
T. Cliff House _____
T. Menefee _____
T. Point Lookout _____
T. Mancos _____
T. Gallup _____
Base Greenhorn _____
T. Dakota _____
T. Morrison _____
T. Todilto _____
T. Entrada _____
T. Wingate _____
T. Chinle _____
T. Permian _____
T. Penn. "A" _____
T. Penn. "B" _____
T. Penn. "C" _____
T. Penn. "D" _____
T. Leadville _____
T. Madison _____
T. Elbert _____
T. McCracken _____
T. Ignacio Qtzite _____
T. Granite _____
T. _____
T. _____
T. _____
T. _____
T. _____
T. _____
T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 2904' to 2924'
No. 2, from 3514' to 3520'
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____

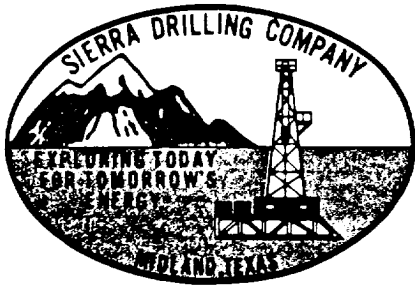
IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet
No. 2, from _____ to _____ feet
No. 3, from _____ to _____ feet
No. 4, from _____ to _____ feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
2683'	3509'		Delaware				
3509'	4513'		Cherry Canyon				
4513'			Brushy Canyon				



Donald L. Wallace
President

SIERRA DRILLING COMPANY

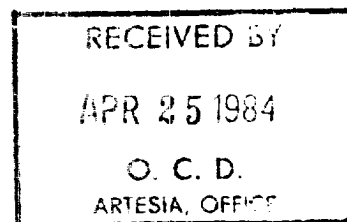
P. O. Box 2681

Midland, Texas 79702

(915) 563-3477

April 10, 1984

Mr. William A. Merrick
Ammex Petroleum, Inc.
P.O. Box 10507
Midland, Texas 79702



Re: Big Eddy #99

Dear Mr. Merrick:

The following is a Deviation Survey for the above referenced well located in Eddy County, New Mexico.

200 - 1/2
647 - 1 1/4
1350 - 1
1705 - 1
2125 - 1
2562 - 1

2883 - 1
3350 - 1
3855 - 1 1/2
4165 - 3/4
4400 - 1

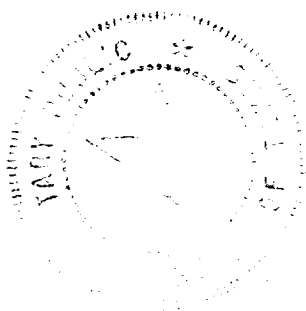
Sincerely,

Garry L. Flynn
Garry L. Flynn
Drilling Superintendent

GLF/jc

STATE OF TEXAS)
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 10th day of April, 1984.



Milly C. Wilson
Milly C. Wilson
Notary Public

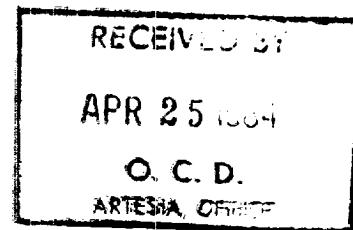
NAME Big Eddy #99 COUNTY Eddy, NM

DRLG. CONTR. _____ RIG # _____

4/21/84

TD 5250' SI 14 hrs, TP 40#. Bled off
& made 1 swab run. FL 900' fs, rec 2
BO. RU CRC & run GR & temp base. RU
Western & frac w/32,000 gal 75 quality
foam w/50% methanol wtr system formed
w/nitrogen (493,240 SCK) & 10,000#
20/40 sd & 1600# 10/20 sd w/radio active
sd. Max 3200#, Min 2800#, AP 3000#,
ISIP 3100#, 5 min 3100#, 10 min 3100#,
AIR 1.8 fluid - 5.2 nit., 2 hrs SIP
1580#, 2½ hrs SIP 1540#, 3 hrs SIP 1500#.
196.4 BTLW. Run GR & temp log, 2 runs
1 hr apart. Showed frac in zone. Flowed
back 14 hrs, 600 psi to 0-25 psi, 24-30/64
ck, rec 155 BLW & 32 BO. 39 BLW to recover.

Daily cost \$28,400
Total well \$329,237



4/22/84

TD 5250' Swab & flowed 10 hrs, rec
60 BTF, 31 BO & 29 BW. FL 2000' fs
& staying. 10 BLW to recover. SI 30
hrs, 280#.

Daily cost \$1,500
Total well \$330,737

4/23/84

TD 5250' POTENTIAL: 24 hrs, 74 BO,
69.6 mcf, 62 BW, gravity 35.5 @ 60°F,
TP 15#, 3/4" ck. FINAL REPORT

Total well \$330,737

4/24/84

SI 14 hrs, TP 220#. Flow back on 20/64
1 hr 220#-0#. Rec 8 BO. Rel pkr &
pull tbg & pkr. Run tbg & SN. Land
tbg @ 2915', SN @ 2884'. Rec 57 BLW
when pkr pulled. S/4 hrs, rec 37 BLW,
10 BO. FL 1500' fs.

Daily cost \$1,900
Total well \$332,637

NAME Big Eddy #99 COUNTY Eddy, NM

DRLG. CONTR. _____ RIG # _____

4/12/84

Run CBL & CCL. Cmt from 3645'-2750'.

Daily cost \$3,000

Total well \$274,537

4/13/84

WORTM

4/14-15/84

WORTM

4/16/84

Moving rig off.

4/17/84

WORTM

4/18/84

TD 5250' MORT MIRUSU NU RIH w/2 3/8"

tbg to 2941'. Prep to perf & acidize.

Daily cost \$2,000

Total well \$276,537

4/19/84

TD 5250' Displace csg & tbg w/2% KCL.

Spot 150 gal 15% HCL acid. Ran basic

GR. Perf 2904'-2924' w/1 jsp. RIH

w/tbg & pkr. Rev out acid. Set pkr

@ 2757'. CP to 500#. Acidize w/1500

gal 15% HCL w/30 BS. Formation broke

@ 1650#, Max 1650#, AP 1300#, Min 1200#,

ISIP 1200#, 15 min 950#, AIR 2 bpm.

Run GR & temp log, 1 run/hr for 2 hrs.

Bled off pressure. S/1½ hrs, rec 9

BLW. SFL full, EFL 2700'. SIFN 43

BLW to recover. All acid in zone.

Daily cost \$22,000

Total well \$298,537

4/20/84

TD 5250' SI 14 hrs, 0 psi. S/10 hrs

rec 9 BO, 4 BLW. SFL 1500' fs, EFL

2700' fs. Made swab run every 2 hrs.

SI Prep to frac.

Daily cost \$2,300

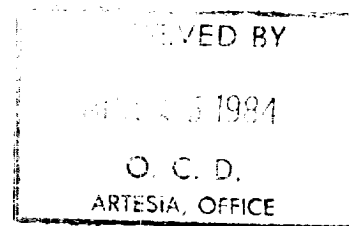
Total well \$300,837

NAME Big Eddy #99 COUNTY Eddy, NM
DRLG. CONTR. Sierra RIG # 3

4/6/84

9 days 4881' Drlg w/partial returns. (796')
mud 8.7, vis. 29
survey: 3/4 @ 4165'
Bit #4: in @ 2650', 2226'/57 hrs
Lost returns @ 4493'. Pumping no circ
slug every hour - goes from partial &
no returns to full returns. Drlg 1 1/2-
2 min/ft.

Daily cost \$20,000
Total well \$180,487



4/7/84

10 days 5153' drlg, no returns (272')
mud 8.5, vis. 29
Bit #4: in @ 2650', 2503'/71 hrs
Circ from 4918'-5008'. Spotted 2 pills.
Had circ approx 15 min. FL 15' below
surface.

Daily cost \$13,800
Total well \$194,287

4/8/84

5250' GIH to LDDP. No returns. (97')
mud 8.5, vis. 29
survey: 1 @ 4410'
Bit #4: in @ 2650', out @ 5250', 2600'
TD & circ 1 hr. Pump 80 bbl gel pill.
POH Log well - GR CNL-LDT, DLL MSFL &
HDT. RIH & circ.

Daily cost \$26,800
Total well \$221,087

4/9/84

TD 5250' LDDP & collars. Ran 124' 5 1/2"
15.5# & 17# ST&C J-55. Land @ 5211'.
Stage tool @ 3663'. P/130 BFW. Cmt 1st
stage w/230 sx 1:1 talc, 2% KCL, .5 CFI,
1/2# flocele, 2# hiclele, wgt 13.8#/gal.
PD @ 4:30 pm 4/8/84. Did not circ. WOC
1 hr. Drop bomb, wait 30 min. Open DV.
P/50 BFW. Cmt 2nd stage w/230 sx 1:1
talc, 2% KCL, .5% CFI. Had circ w/135
sx cmt. P/for 10 min, lost circ. PD @
7:15 pm 4/8/84. WOC NU Release Sierra
Rig #3 @ 12:30 am 4/9/84.

Daily cost \$50,450
Total well \$271,537

4/10/84

RDRT

4/11/84

RDRT Prep to run CBL & CCL log.

\$271,537

NAME Big Eddy #99 COUNTY Eddy, NM
DRLG. CONTR. Sierra RIG # 3

4/3/84

6 days 2650' Drill shoe jt.

mud 8.8, vis. 28

Bit #3: in @ 1939', out @ 2650', 711'/24½ hrs

Bit #4: 7 7/8" Reed HPSN, in @ 2650', 0'/0 hrs

32# & 24# J-55 ecp & DV tool. Land @

2631'. Pkr @ 410', DV @ 406'. Cmt 1st

stage w/800 sx LW, 200 sx "C" + 1% CaCl.

Pressure up to 1600# to set pkr. Pkr

set & btm plug gave way. WOC 6 hrs.

Pressure csg to 1500#, ok. Open DV tool

& broke circ. Cmt 2nd stage w/175 sx "C".

Circ 30 sx cmt. PD @ 4:00 pm 4/2/84.

WOC NU

Daily cost \$49,085

Total well \$133,187

RECEIVED BY

APR 25 1984

O. C. D.

ARTESIA, OFFICE

4/4/84

7 days 3197' lime drlg (547')

mud 8.9, vis. 28

Bit #4: in @ 2650', 547'/15 hrs

Drlg DV @ 406'. Tested stage tool to

1500# 15 min ok. GIH & drlg cmt 2565'-

2631'. Drlg formation. Show #1: 6'

2754'-60', drlg 2 min/ft down to 1½ min/

ft, BG gas 4 units increased to 28 units,

max 32 decreased to 4-6 units, 20% bright

yellow florescence, very slight cut, no

stain, good intergranular porosity, 100%

sand. Show #2: 22' 2908'-2930', drlg 2

min/ft down to ½ min/ft, resume 2 min/ft,

BG gas 6 units increased to 340 units, 350

max, 70% bright yellow florescence, good

cmt, no stain, intergranular porosity, 100%

sand. C₁ 80, C₂ 160, C₃ 20, C₄ 50, C₅ 10.

Oil on pits.

Daily cost \$10,800

Total well \$143,987

4/5/84

8 days 4085' sd drlg (900')

mud 9.2, vis. 29, ph 10.5

survey: 1 @ 3350', 1½ @ 3855'

Bit #4: in @ 2650', 1435'/37½ hrs

Show #3: 3314'-3324'

Show #4: 3396'-3408'

Show #5: 3518'-3538'

Daily cost \$16,500

Total well \$160,487

NAME Big Eddy #99 COUNTY Eddy, NM
DRLG. CONTR. Siefa RIG # 3

3/29/84

1 day 113' sand drilling (113')

mud 8.8, vis. 33

Bit #1: 17½" Reed, in @ surface,
113'/1½ hrs

SPUD @ 3:30 am 3/29/84.

Daily cost \$12,345

Total well \$12,345

3/30/84

2 days 405' WOC (292')

mud 8.9, vis. 35, ph 9.5

survey: ½ @ 200', 1½ @ 400'

Bit #1: in @ surface, out @ 405',
405'/9½ hrs

Ran 13 3/8" csg, 11 jts J-55 54.5#

ST&C. Set @ 396'. Cmt w/425 sx

"C" + 2% CaCl. PD @ 7:00 pm 3/29/84.

Circ 100 sx. WOC 12 hrs. NU Daily cost \$15,852

Total well \$28,197

RECEIVED BY

APR 25 1984

O. C. D.
ARTESIA OFFICE

3/31/84

3 days 1590' anhy & salt drlg (1125')

no returns

survey: 1½ @ 647' & 857', 1 @ 1469'

Bit #2: 12½ retip, in @ 405', 1185'

Lost circ @ 1142', 7' void spot between
1142' & 1149'.

Daily cost \$24,205

Total well \$52,402

4/1/84

4 days 2250' anhy drlg (650')

no returns

survey: 1 @ 1705' & 2225'

Bit #2: in @ 405', out @ 1939', 1534'/34 hrs

Bit #3: 11" Reed, in @ 1939', 311'/8½ hrs

Daily cost \$18,200

Total well \$70,602

4/2/84

5 days 2650' anhy Run csg. (400')

no returns

survey: 1 @ 2562'

Bit #3: in @ 1939', 711'/24½ hrs

Circ 1 hr. POH LD 6-8" DC. Running

8 5/8" csg.

Daily cost \$13,500

Total well \$84,102