

District I
To 25 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand, Artesia, NM 87210
District III
2000 E. 1st St., Las Cruces, NM 88001
District IV
2000 South Loop West, Suite 100, El Paso, NM 88501

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO.
30 - 015 - 33282

5. Indicate Type of Lease
STATE ☐ FEE ☒

State Oil & Gas Lease No.

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 ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☒ **RECEIVED**

7. Lease Name or Unit Agreement Name

Apollo

2. Name of Operator
Nadel and Gussman Permian, L.L.C.

AUG 13 2004

8. Well No.
1

3. Address of Operator
601 N Marienfeld, Suite 508, Midland, Texas 79701

SOB-ARTESIA

9. Pool name or Wildcat
Loving ~~PLA~~ (North)

4. Well Location
Unit Letter _____ : **660'** Feet From The **South** Line and **660'** Feet From The **West** Line

Section **4** Township **23 S** Range **28 E** NMPM **Eddy** County

10. Date Spudded **3/24/04** 10. Date T.D. Reached **5/18/04** 11. Date Compl. (Ready to Prod.) **7/20/04** 12. Elevations (DF& RKB, RT, GR, etc.) **3011' GL, 3028' KB** 13. Elev. Casinghead **3011'**

14. Total Depth **12,597'** 15. Plug Back T.D. **12,015'** 16. If Multiple Compl. How Many Zones? **No** 18. Intervals Drilled By **100%** Rotary Tools Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name **11,410' - Atoka, T** 20. Was Directional Survey Made **No**

21. Type Electric and Other Logs Run **CNDL, DLL** 21. Was Well Cored **No**

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

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#, H-40	430'	17-1/2"	355 sx, cement circulated	
9-5/8"	40#, L-80 LTC	6040'	12-1/4"	2700 sx, cement circulated	
5 1/2"	17#, SP-110 LTC	11,715'	8 3/4"	535 sx Lead	
	20# P-110 LTC	11,715'-12,597'		625 sx Tail	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					8-5/8"	1152'	8700'

26. Perforation record (interval, size, and number)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
11,410' - 11,420' (60) holes TCP; no stim	DEPTH INTERVAL
12,088' - 12,124' (108) cibp 12,050' w/35' cmt	AMOUNT AND KIND MATERIAL USED
12,376 - 12,410 (48) holes cibp @ 12,350'	12,088' - 12,124' 674 lbs gel, 37000# 20/40 bauxite
12,504' - 12,514' (60) holes cibp @ 12,410'	12,396' - 12,410' 1000 gals. 7-1/2% hcl
	12,504' - 12,514 1000 gals. 7-1/2% hcl

28. PRODUCTION							
Date First Production 7/20/04		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) Producing		
Date of Test 8/8/04	Hours Tested 24	Choke Size 5/64	Production For Test Period	Oil - Bbl 10	Gas - MCF 660	Water - Bbl. 1	Gas - Oil Ratio 66,000
Flow Tubing Press. 4000	Casing Pressure 0	Calc. 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 56	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) **Sold** Test Witnessed By **Lee Ledbetter**

30. List Attachments
Deviation survey and wellbore schematic

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature **Kem McCready** Printed Name **Kem McCready** Title **Operations Engineer** Date **8/11/04**

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate 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	T. Canyon
T. Salt	T. Strawn
B. Salt	T. Atoka
T. Yates	T. Miss
T. 7 Rivers	T. Lower Morrow
T. Queen	T. Silurian
T. Grayburg	T. Montoya
T. San Andres	T. Simpson
T. Glorieta	T. McKee
T. Paddock	T. Ellenberger
T. Blinebry	T. Gr. Wash
T. Tubb	T. Delaware
T. Drinkard	T. Bone Springs
T. Abo	T. Morrow lime
T. Wolfcamp	T. Morrow Clastics
T. Penn	T. Atoka Clastics
T. Cisco (Bough C)	T. Wolfcamp Lime

Northwestern New Mexico

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

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SAND

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

LITHOLOGY RECORD

From	To	Thickness In Feet	Lithology
2500	2540	40	LM, DOL, ANH
2540	6040	3500	LM, SD, SH
6050	7150	1100	LM, SH
7150	7950	800	LM, SD, SH
7950	9000	1050	LM, SH
9000	9490	490	LM, SD, SH
9490	11080	1590	LM, SH
11080	12600	1520	LM, SD, SH

DRILL STEM TESTS

DST			Results

NADEL AND GUSSMAN PERMIAN

Apollo Fee No. 1

660' FSL, 660' FWL Sec 4, 23S, 28E, Eddy County, NM

API # 30 - 015 - 33282-00

Elev: 3011', KB: 3028'

Current

13-3/8", 48#, H-40 STC @ 430'
355 sx, cement circulated 70 sxs
17-1/2" hole

9-5/8", 40#, L-80 LTC @ 6040'
2700 sx, cement circulate 150 sxs
12-1/4" hole

5-1/2", 17#, SP-110 LTC @ 0-11,715'
20# P-110 LTC @ 11,715-12,597
Lead 535 sxs 35-65 H-Poz 12.4 ppg
Tail 625 sxs CI H 15.6 ppg
8-3/4" hole

TUBING DETAILS:

2-7/8 6.5 PPF L-80 TBG 0-11023'
6.25' 2-7/8 " 6.5 ppf L-80 tbg sub 11,023'
2 jts 2-7/8 " 6.5 ppf L-80 tbg jt 11,092'
2.25 F on/off tool @ 11093.5
Arrowset 2.25" 10K pkr @ 11,101
10' 2-7/8" pup jt @ 11,111
2.25 F nipple @ 11,112'
10 2-7/8" pup jt @ 11,122
2.25 F nipple @ 11,123
4 jts 2-7/8" tbg @ 11,11,248'
2.25 F nipple @ 11,249
2 jts 2-7/8 " 6.5 ppf L-80 tbg jt 11,312'
2.25" Mechanical tbg release @ 11,313
2 jts 2-7/8" tbg @ 11,375'
2.25" API SN @ 11376'
2.44" Ported Underbalanced su @ 11,37
1 jt 2-7/8" tbg jt @ 11,406'
Mech fring head and auto release @ 11,
EOT @ 11,407'

TOC @ 6500' EM Hobbs CBL 6/06/04

Atoka Perfs:

11,410'-11,420'; 6 spf 60 holes

TCP Fish: 3.375" Mech firing head and auto release

.98' long OD 3.375"; ID 1.56"

3.375" Gun 6 JSPF; 11.93 Long

CIBP @ 12,050; Cap w/ 35' cmt

Upper Morrow Perfs:

12,088-12,098'; 12,116'-12,124'; 6 spf 108 holes

CIBP @ 12,350'

Middle Morrow Perfs:

12,396-12,400'; 12,406'-12,410'; 6 spf 48 holes

CIBP @ 12,480'

Lwr Morrow Perfs:

12,504-12,514' 6 spf 60 holes

PBTD @ 12,015'
TD @ 12,597'

OPERATOR: NADEL & GUSSMAN
WELL/LEASE: APOLLO FEE #2
COUNTY: EDDY, NM

511-5041 MAY 26 2004

STATE OF NEW MEXICO
DEVIATION REPORT

235	3/4	5,313	1/2	11,141	1 3/4
430	1/2	5,502	3/4	11,267	2 1/2
659	3/4	5,754	3/4	11,360	2 1/4
905	1/2	6,008	1 1/4		
1,157	3/4	6,237	1/2		
1,378	1 3/4	6,482	3/4		
1,630	3/4	6,828	1 3/4		
1,819	1 3/4	6,955	2 3/4		
1,914	1	7,018	2 3/4		
2,008	3/4	7,049	3 1/4		
2,229	1 1/2	7,128	2 3/4		
2,291	1 1/2	7,254	3		
2,354	1 1/2	7,316	3		
2,575	1 3/4	7,378	2		
2,701	2	7,442	2 1/4		
2,826	1	7,568	2 1/4		
3,173	3/4	7,630	1 1/2		
3,425	1	7,884	2 1/4		
3,678	1 1/2	8,104	3/4		
3,899	3/4	8,356	2 1/2		
4,151	3/4	8,764	3/4		
4,436	1 3/4	9,236	1		
4,591	1/2	9,737	1		
4,840	1/2	10,179	1 3/4		
5,093	1	10,636	1		

RECEIVED

AUG 13 2004

OGP-ARTESIA

By: Steve Moore

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 21st day of May, 2004, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

J Robertson
Notary Public for Midland County, Texas

My Commission Expires: 8/23/2007

