

PNRM0404134299

C-103 Received 1-26-2004
DHC No. Assigned 2-10-2004

Order Number		API Number	Operator		County			
HOB-0075		30-025-36340	Apache Corporation		Lea			
Order Date		Well Name		Number	Location			
		Southland Royalty A		016	B	9	215	37E
					UL	Sec	T (+Dir)	R (+Dir)
				Oil %	Gas %			
Pool 1	06660	Blinebry Oil+Gas (Oil)		58%	46%			
Pool 2	60240	Tubb Oil+Gas (Oil)		24%	12%			
Pool 3	19190	Drinkard		18%	42%			
Pool 4								
Comments: Work completed effective _____ Work cancelled effective _____ Supplement _____								

2-10-2004

Posted
RBM

B

DOWNHOLE COMMINGLE CALCULATIONS:

30-025-36340
HOB-0075

OPERATOR: Apache Corporation

PROPERTY NAME: Southland Royalty A

WNULSTR: 16-B, 9-21-37

	SECTION I:		ALLOWABLE AMOUNT
06660	POOL NO. 1 <u>Blinebry Oil & Gas (Oil)</u>	<u>107</u>	<u>428</u> MCF 4000
60240	POOL NO. 2 <u>Tubb Oil & Gas (Oil)</u>	<u>142</u>	<u>284</u> MCF 2000
19190	POOL NO. 3 <u>Drinkard</u>	<u>142</u>	<u>852</u> MCF 6000
	POOL NO. 4 _____		MCF
	POOL TOTALS	<u>391</u>	<u>1564</u>

SECTION II:

		Oil	Gas
POOL NO. 1	<u>Blinebry Oil & Gas (Oil)</u>	$58\% \times 391 = 226.78$	46%
POOL NO. 2	<u>Tubb Oil & Gas (Oil)</u>	24%	12%
POOL NO. 3	<u>Drinkard</u>	18%	42%
POOL NO. 4	_____		

OIL

GAS

SECTION III:

$107 \div 58\% = 184.49 (185)$

SECTION IV:

Blinebry	<u>$185 \times 58\% = 107.30 (107)$</u>
Drinkard	<u>$185 \times 18\% = 33.30 (33)$</u>
Tubb	<u>$185 \times 24\% = 44.40 (45)$</u>

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505

FORM C-103
Revised March 25, 1999

WELL API NO. 30-025-36340
5. Indicate Type of Lease ☐ STATE ☒ FEE
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Southland Royalty "A"
8. Well No. 16
9. Pool name or Wildcat Blinebry O&G, Tubb O&G, Drinkard

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: ☒ OIL WELL ☐ GAS WELL ☐ OTHER	
2. Name of Operator Apache Corporation	
3. Address of Operator 6120 South Yale, Suite 1500 Tulsa, Oklahoma 74136	
4. Well Location Unit Letter <u>B</u> : <u>1210</u> Feet From The <u>North</u> Line and <u>1470</u> Feet From The <u>East</u> Line Section <u>9</u> Township <u>21S</u> Range <u>37E</u> NMPM <u>Lea</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3467' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
☐ Perform Remedial Work ☐ Temporarily Abandon ☐ Pull or Alter Casing ☒ Other Downhole commingle	☐ Plug and Abandon ☐ Change Plans ☐ Remedial Work ☐ Commence Drilling Operations ☐ Casing Test and Cement Job ☐ Other

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

R-11363
Per Administrative Order ~~NSL-4922 (SD)~~, Apache Corporation respectfully requests authorization to downhole commingle the designated pools.

Perforations:

Blinebry	(6660)	5664-6023
Drinkard	(19190)	6471-6668
Tubb	(60240)	6420-6334

The allocation method will be as follows:

Test: 61 x 386 x 16

	Oil	Alloc. %	Gas	Alloc. %	Water	Alloc. %
Blinebry	35	57%	178	46%	5	32%
Drinkard	11	18%	162	42%	7	44%
Tubb	15	24%	46	12%	4	24%
	61	100	386	100	16	100

Downhole commingling will not reduce the value of these pools.

Ownership is the same for each of these pools.

Commingled production began on 1/6/2004.

DHC Order No. HOB-0075

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE <i>Kara Coday</i>	TITLE Sr. Engineering Technician	DATE 1/19/2004
TYPE OR PRINT NAME Kara Coday	TELEPHONE NO. 918-491-4957	
PETROLEUM ENGINEER		
APPROVED BY <i>Paul E. King</i>	TITLE	DATE 2-10-2004
CONDITIONS OF APPROVAL, IF ANY.		

Submit to Appropriate District Office

State Lease-6 copies

Fee Lease-5 copies

DISTRICT I

1625 N French Dr., Hobbs, NM 88240

DISTRICT II

1220 South First, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural ResourcesForm C-105
Revised March 25, 1999OIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505

WELL API NO.

30-025-36340

5. Indicate Type of Lease

☐ STATE☒ FEE

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Southland Royalty A

8. Well No.

16

9. Pool name or Wildcat

Blinebry O&G (6660), Drinkard (19190), Tubb Oil (60240)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

☒ OIL WELL☐ GAS WELL☐ DRY☐ OTHER

b. Type of Completion:

☒ New Well☐ Workover☐ Deepen☐ Plug Back☐ Diff. Resvr.☐ Other

2. Name of Operator

Apache Corporation

3. Address of Operator

6120 S. Yale, Suite 1500 Tulsa, OK 74136

(918)-491-4957

4. Well Location

Unit Letter B 1210 Feet From The North Line and 1470 Feet From The East Line
Section 9 Township 21S Range 37E NMPM Lea County

10. Date Spudded

9/03/2003

11. Date T.D. Reached

9/5/2003

12. Date Compl. (Ready to Prod.)

9/27/2003

13. Elevations (DP& RKB, RT, GR, etc.)

3467'

GR

14. Elev. Casinghead

15. Total Depth

6900'

16. Plug Back T.D.

6862'

17. If Multiple Compl. How

Many Zones?

18. Intervals

Drilled By

Rotary Tools

Cable Tools

X

19. Producing Interval(s), of this completion - Top, Bottom, Name

Blinebry O&G (6660), Drinkard (19190), Tubb Oil (60240)

20. Was Directional Survey Made

NO

21. Type Electric and Other Logs Run

SD/SDN

22. 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
8	24#	1285	12-1/4	600 sx / Circulated 237 sx	
5-1/2	17#	6900	7-7/8	1275 sx / TOC @ 50' (CBL)	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8	6707'	

26. Perforation record (interval, size, and number)

Drinkard - 6471-74, 6510-14, 6597-6601, 6623-27, 6643-47, 6662-68
2 JSPFTubb - 6120-28, 6140-48, 6241-50, 6263-72, 6324-34
2 JSPFBlinebry - 5664-66, 5743-45, 5862-64, 5948-50, 6021-23
3 JSPF

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6471-6668	Acidized w/ 1,634 gals 15% HCL
	Frac w/ 28,993 gals SPF-3000 & 80,000# 20/40 sand
6420-6334	Acidized w/ 2,171 gals 15% HCL
	Frac w/ 32,995 gals SFG-30 & 80,000# 20/40 sand
5664-6023	Acidized w/ 2500 gals 15% HCL
	Frac w/ 25# Delta frac & 180,000# AcFrac 20/40 sand

28. PRODUCTION

Date First Production 9/27/2003	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) Producing	
Date of Test 1/17/2004	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 61	Gas - MCF 386	Water - Bbl. 16
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr) 36.1

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

Test Witnessed By

Apache Corporation

30. List Attachments

Log, Deviation Report, C-104

31. 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

Signature

Kara Coday

Printed
Name

Kara Coday

Title

Sr. Engineering Technician

Date

1/19/04

WELL LOGS

API number:	30-025-36340		
OGRID:		Operator:	APACHE CORP
		Property:	SOUTHLAND ROYALTIES A # 16

surface	ULSTR:	B	9	T	21S	R	37E
			1210	FNL	1470	FEL	

BH Loc	ULSTR:	B	9	T	21S	R	37E
			1210	FNL	1470	FEL	

Ground Level:	3467	DF:	3477	KB:	3478	
Datum:	KB			TD:	6900	

Land: FEE

Completion Date: (1) 9/27/2003

Date Logs Received: 1/26/2004

Late

Date Logs Due in: (2) 10/17/2003

Confidential:	NO			Date out:		
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Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In: (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
DSN/SDL	3200	6816	Spectral Density Dual Spaced Neutron

OCD TOPS

Rustler	1271	Strawn		
Tansill	2490	Atoka		
Yates	2625	Morrow		
7R	2871			
T. Bowers Sd	3206			
B. Bowers Sd	3288			
Queen	3439			
Penrose				
Grayburg	3751			
San Andres	4014			
Glorieta	5180			
	5659			
Tubb	6135			
Drinkard	6450			
Abo	6747			
Wolfcamp				